

Technical Description

Controller Description

Item	Description	Function	Component
1	CPU	MCU, It controls the display, lighting and read the temperature data detected by the temperature sensor circuit.	IC1
2	Oscillator	Generate 4MHz carrier frequency	X1
3	Button	Perform relevant function	K1-K7、 R12-R18
4	433M wireless transmit-receive module	modulate, amplify the signal from IC1, the modulated RF signal then passes through the matching network to the antenna. Select, receive and Demodulate the RF signal	IC2
5	Antenna	Receive and Transmit modulation RF signal	ANT
6	Display circuit	Show the status of temperature, time or fault	DISPLY1

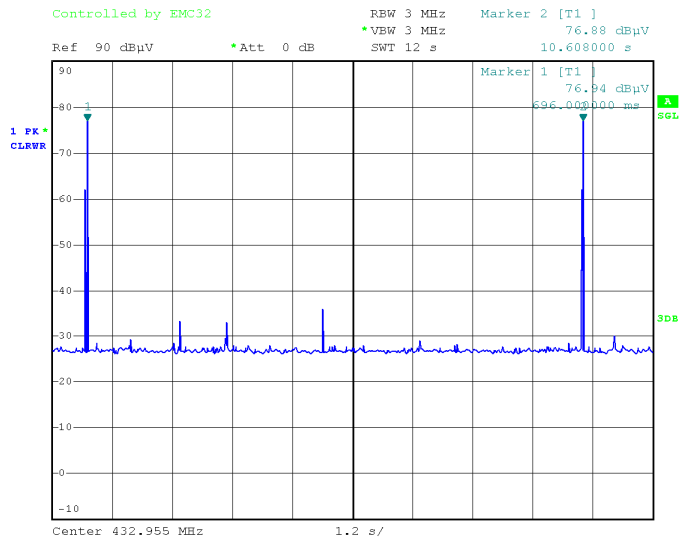
Type of modulation: FSK modulation

Type of antenna: internal, wire antenna.

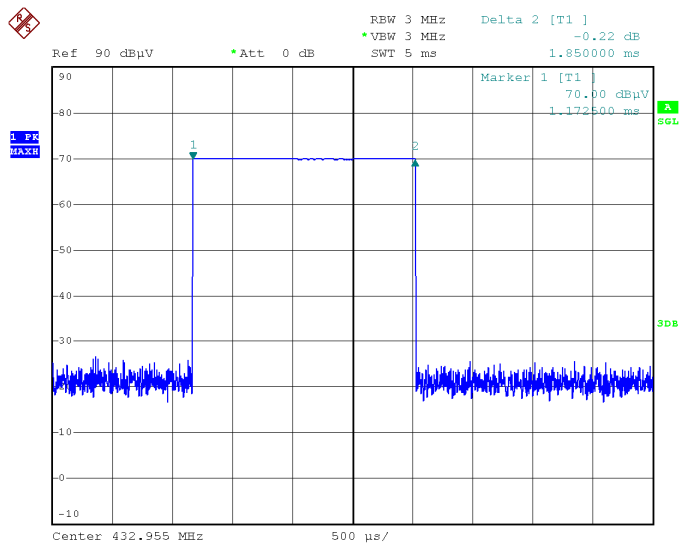
About the timing:

When the "meat probe" button on remote controller is pressed, the Electric Smoker will send the temperature information (probe) back to the remote control. The meat probe function of the remote controller will be disabled for 10.608 sec. by software after it is activated. The Electric Smoker won't send message automatically, it only can send the temperature information (probe) to the remote controller by the request of the remote controller. For the Electric Smoker, the duration of each transmission is 1.85msec. and is not greater than one second, the silent period between transmissions was 10.608 second.

The pulses of the Electric Smoker.



Date: 12.OCT.2010 17:00:08



Date: 28.SEP.2010 14:53:56