



Introduction

HUAWEI D2-6114, D2-6114, HW-03E is a middle and high end dual mode mobile phone researched and developed independently by HUAWEI based on the the Hi3620 chipset produced by Hisilicon Incorporated. It supports LTE/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE frequency bands and Felica. Following introduce the Felica function module.

Intended use statements

HUAWEI D2-6114, D2-6114, HW-03E is a LTE/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Felica. It can only be worked in the networks which supports the LTE/HSUPA/HSDPA/UMTS/GSM/GPRS/EDGE technique. If there is no corresponding networks, the RF module of HUAWEI D2-6114, D2-6114, HW-03E will not work and no any unwanted emission will be produced.

Felica Frequency Range

13.56MHz

Range of Operating Power

$\leq 44\text{db}\mu\text{ V/m}$

Antenna description

Technical parameters of the HUAWEI D2-6114, D2-6114, HW-03E Mobile Phone Felica antenna (Because the power transfer and communication between two Felica systems are achieved by inductive coupling through the interaction with magnetic fields. So it doesn't have radiation parameters.) :

Item	Description
Frequency	13.56MHz
Input impedance	50 Ohm
VSWR	≤ 5

Felica chip Applied voltages

MVDD、TVDD=2.50V~3.30V

HVDD=1.65~3.30V

Modulation Techniques



ASK 10%

Description RF test method

When test Felica function, the DUT is put above a reader/writer and test the communication distance.

When test Wired card function and Reader/Writer function, the DUT is put below a Felica card and test the communication distance.