



Product Service

FCC ID: APYHRO00158

Sharp
CDMA SHI13



1.1 MODULATION CHARACTERISTICS

1.1.1 Specification Reference

FCC CFR 47 Part 2, Clause 2.1047(d)

1.1.2 Equipment Under Test

CDMA SHI13

1.1.3 Test Equipment Used

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Due
True RMS Multimeter	Fluke	79 Series III	411	12	26-Jul-2012
Power Divider	Weinschel	1506A	603	12	17-Mar-2013
Attenuator (10dB, 10W)	Trilithic	HFP-50N	1377	12	13-Oct-2011
Programmable Power Supply	Iso-tech	IPS 2010	2436	-	O/P Mon
Hygrometer	Rotronic	I-1000	3220	12	03-May-2012

1.1.4 Test Method and Operating Modes

The test was applied in accordance with the test method requirements of FCC CFR 47 Part 2.

Plots are shown on the following pages showing the EUT transmitting with the display in the time domain.



Product Service

FCC ID: APYHRO00158



Sharp
CDMA SH113

1.1.5 Test Results

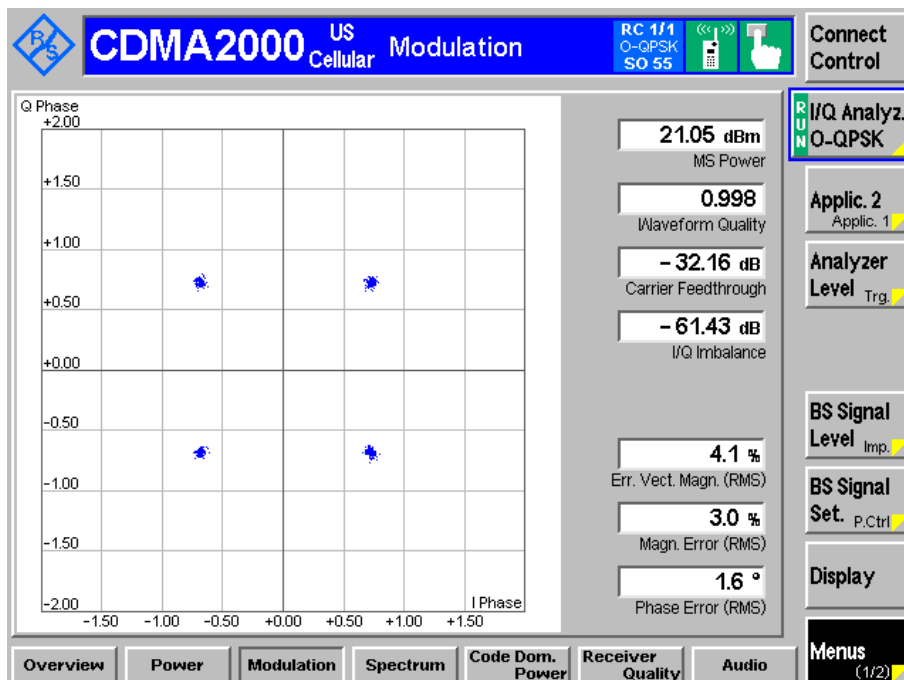
For the period of test the EUT met the requirements of FCC CFR 47 Part 2 for Modulation Characteristics.

The test results are shown below.

4.0 V DC Supply

64-Ray Orthogonal

Constellation Diagram





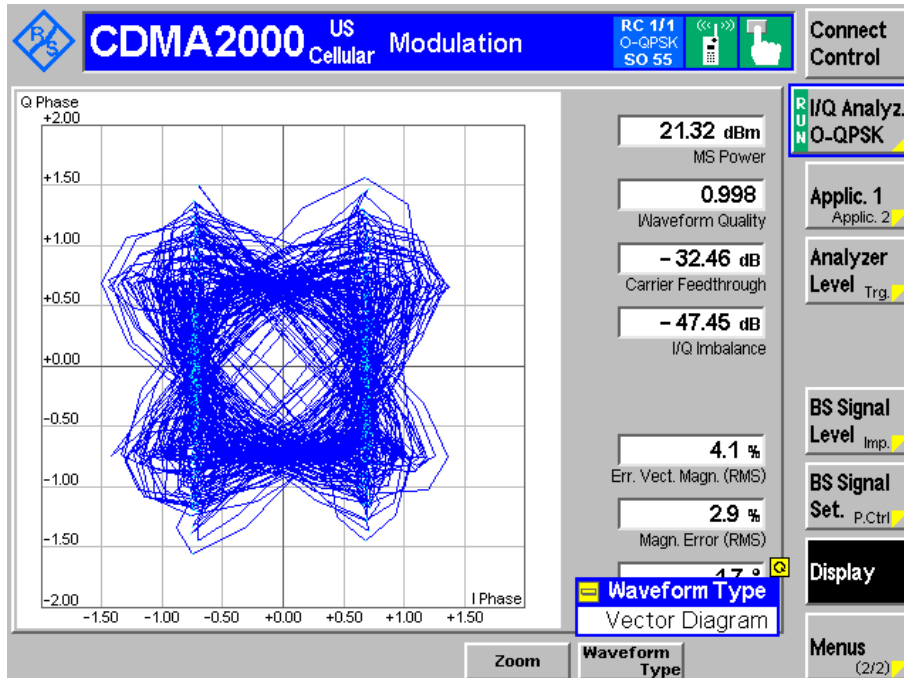
Product Service

FCC ID: APYHRO00158

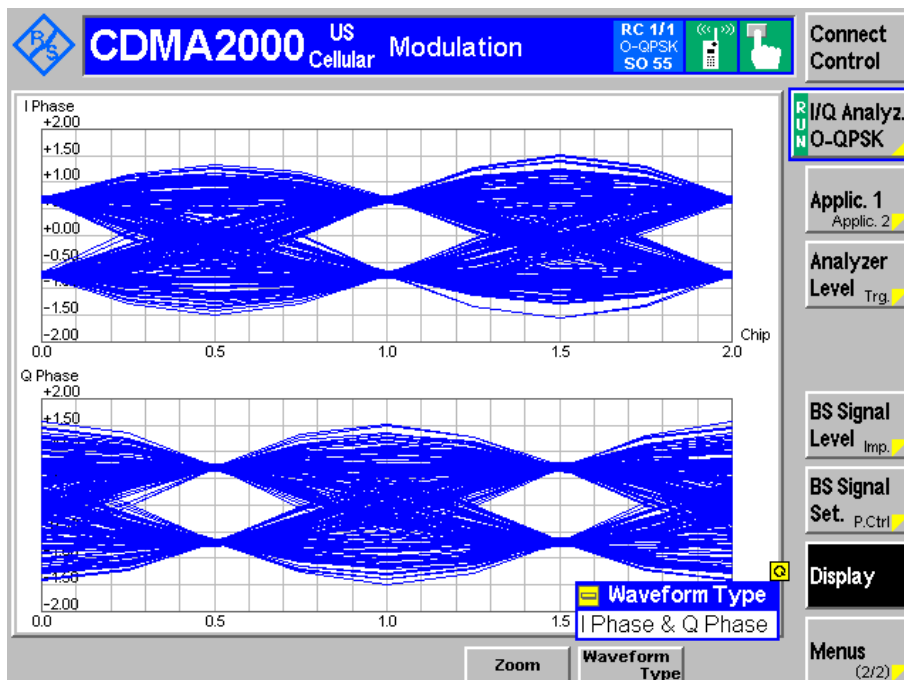
Sharp
CDMA SHI13



Vector Diagram



I and Q Phase Diagram





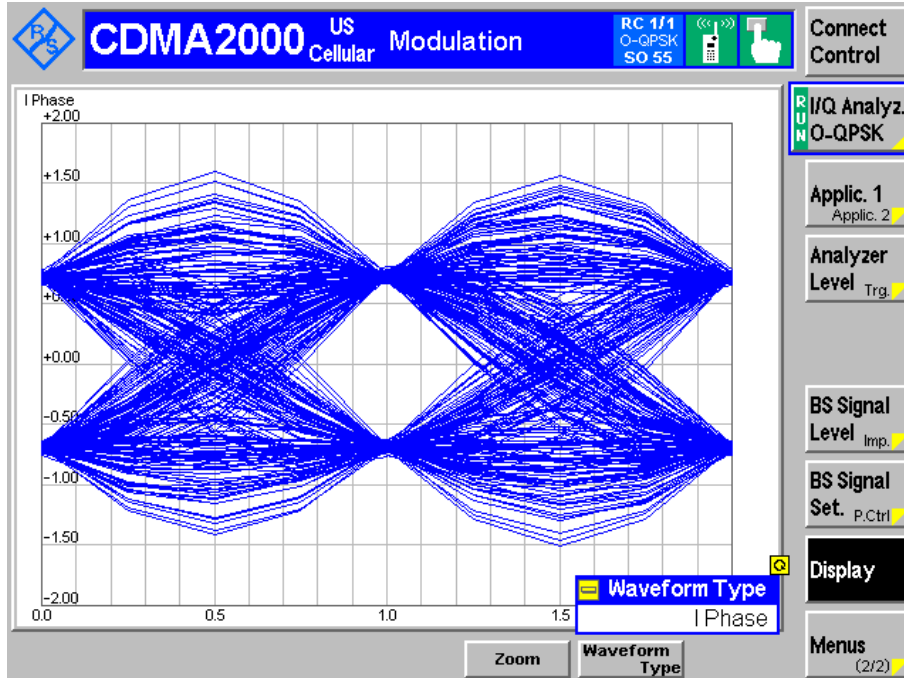
Product Service

FCC ID: APYHRO00158

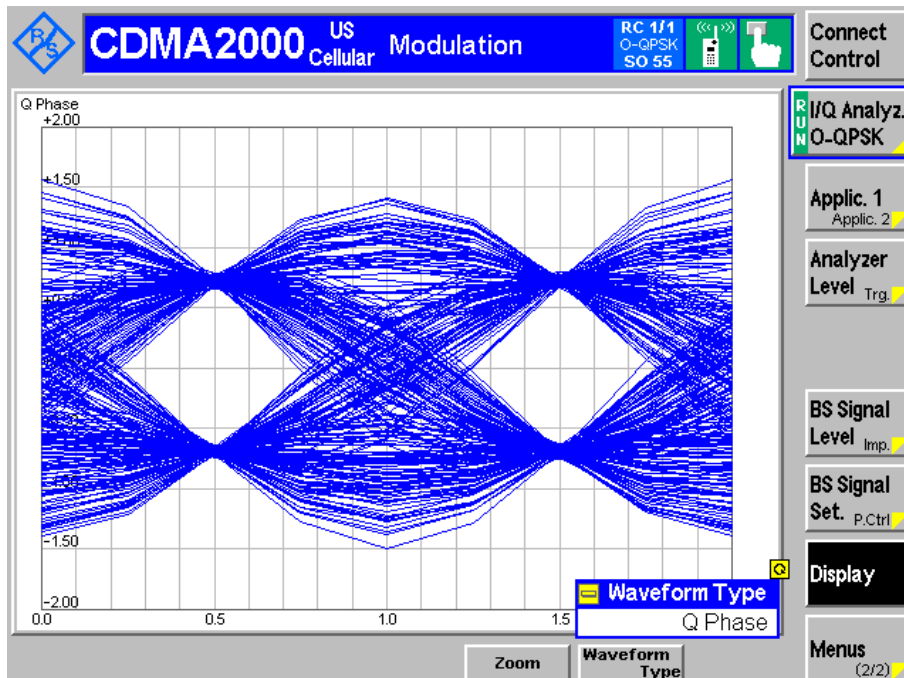
Sharp
CDMA SHI13



I Phase Diagram



Q Phase Diagram





Product Service

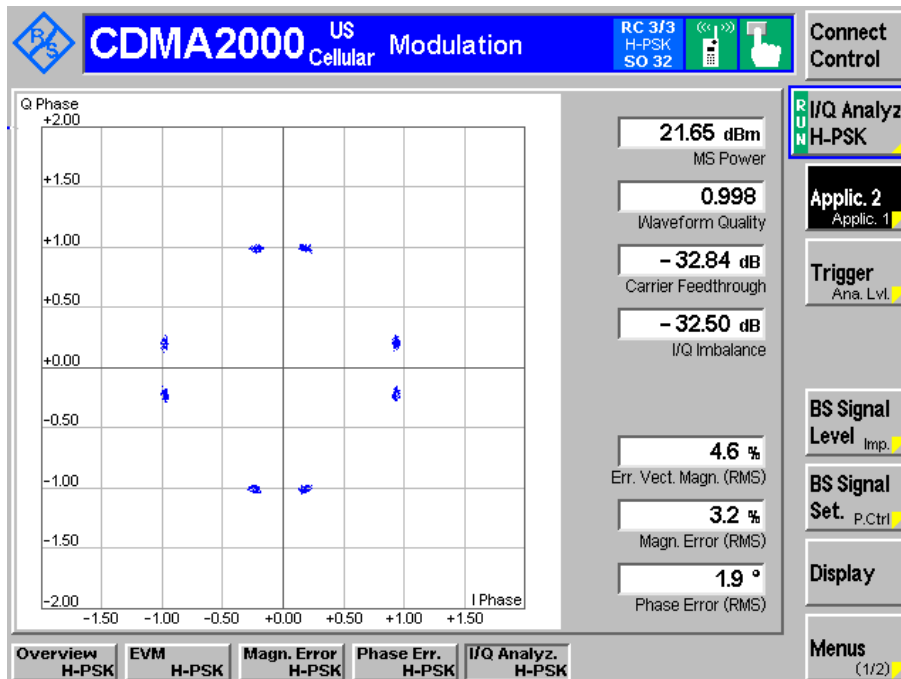
FCC ID: APYHRO00158

Sharp
CDMA SH113

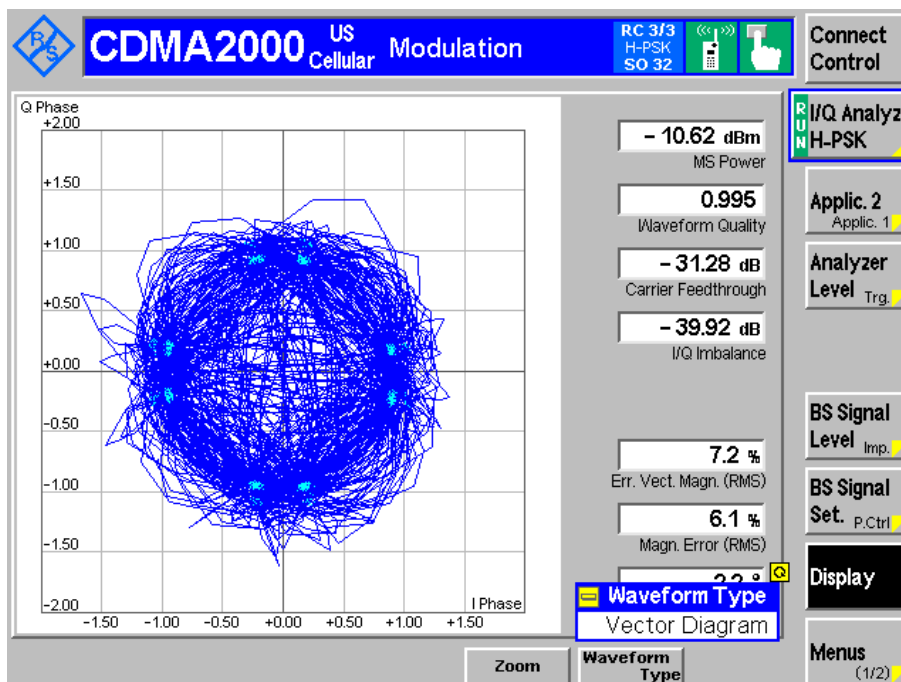


BPSK

Constellation Diagram



Vector Diagram





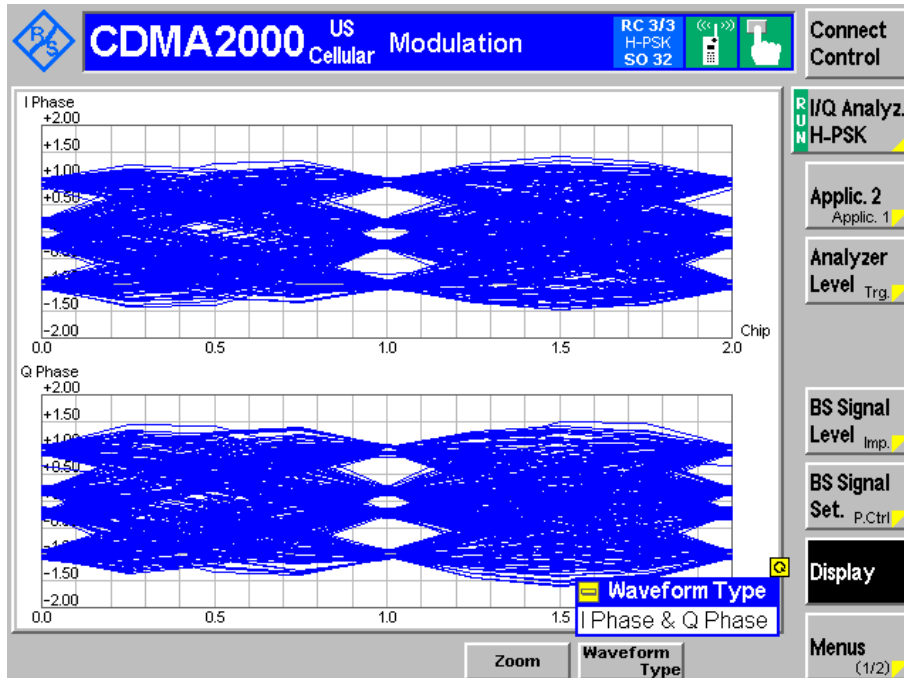
Product Service

FCC ID: APYHRO00158

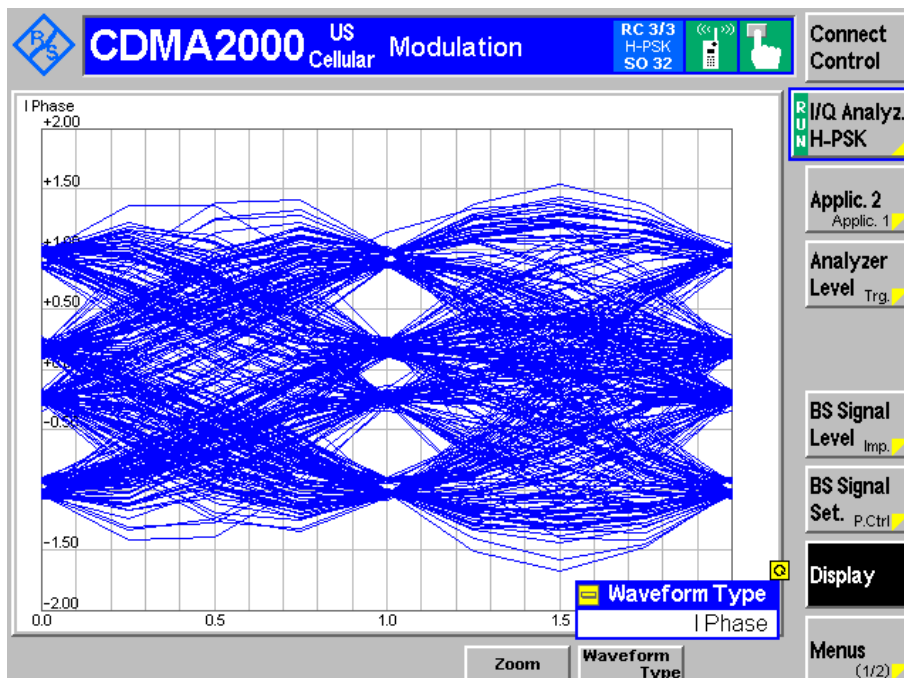
Sharp
CDMA SH113



I and Q Phase Diagram



I Phase Diagram





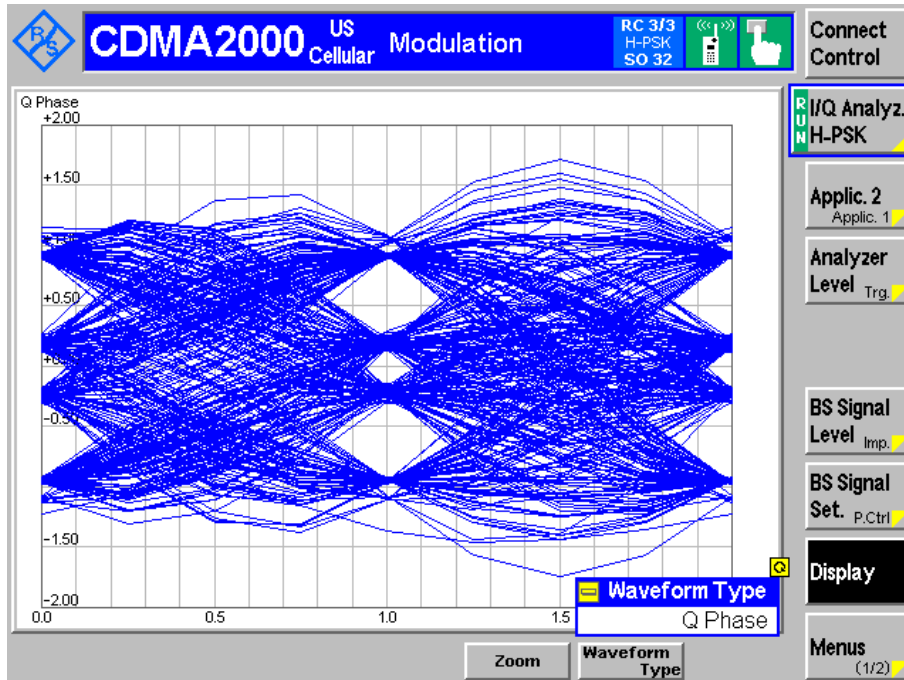
Product Service

FCC ID: APYHRO00158

Sharp
CDMA SHI13



Q Phase Diagram



Limit Clause

A curve or equivalent data which shows that the equipment will meet the modulation requirements of the rules under which the equipment is to be licensed.