

TAG4.3 Antenna Specification

<i>Dept. / Project</i>	PETARI R&D / SMART TRACKING TAG
<i>Document Title</i>	Antenna Specification
<i>Version</i>	Ver 1.0.0
<i>Prepared by</i>	Jinhyun.ko
<i>Checked by</i>	Jinhyun.ko
<i>Approved by</i>	

1. CDMA Antenna

1.1 Characteristic

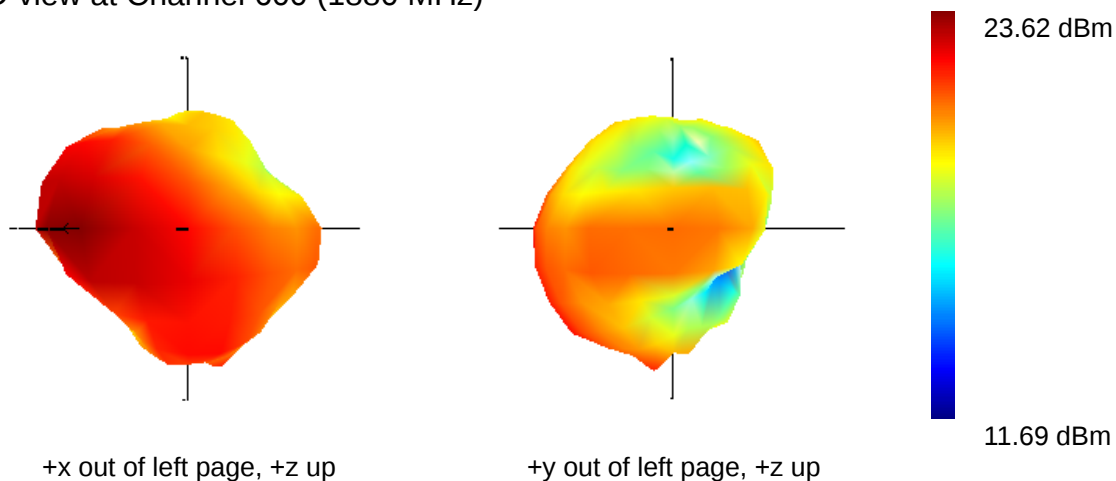
Model	Tag4.3 Antenna		
Type	Monopole Type(CDMA)		
Characteristic	Electrical Char.	Frequency Range	824MHz ~894MHz, 1850MHz~1990MHz
		Polarization	Linear
		Gain	1.8dBi Max
		V. S. W. R	1 : 3 Max
		Impedance	50 Ω
	Physical Char.	Dimension	30× 8× 10 mm

1.2 Radiated pattern

TRP FS CDMA2000 BC1: US PCS internal

Measurement date	2013-3-1
Tester model	Agilent Technologies 8960 Series 10 E5515C
Tester serial number	GB42100207
Tester firmware	CDMA 2000 Mobile Test B.12.12
Measurement software version	2.22.0
Measurement Algorithm	TRP
DUT TX Power	maximum

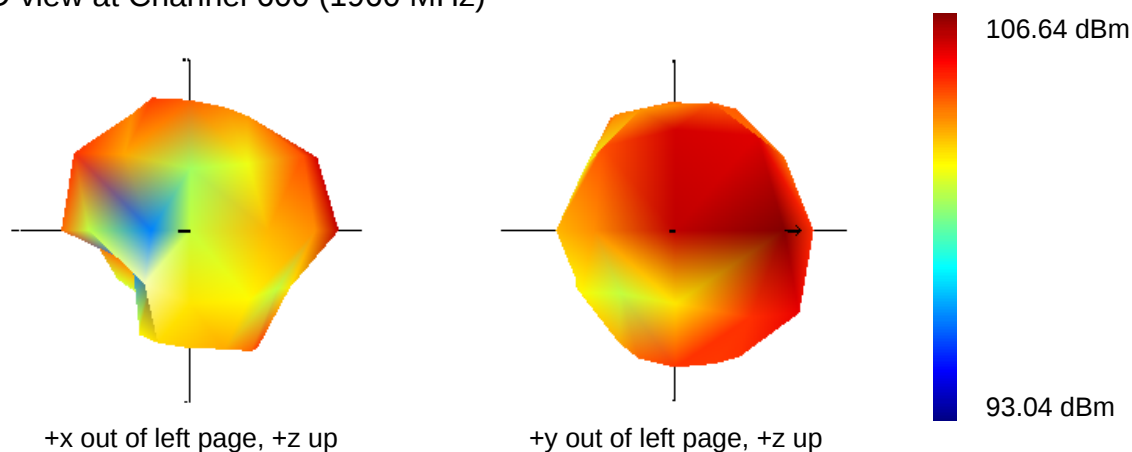
3D view at Channel 600 (1880 MHz)



TIS FS CDMA2000 BC1: US PCS internal

Measurement date	2013-3-4
Tester model	Agilent Technologies 8960 Series 10 E5515C
Tester serial number	GB42100207
Tester firmware	CDMA 2000 Mobile Test B.12.12
Measurement software version	2.22.0
Measurement Algorithm	TIS
DUT TX Power	maximum

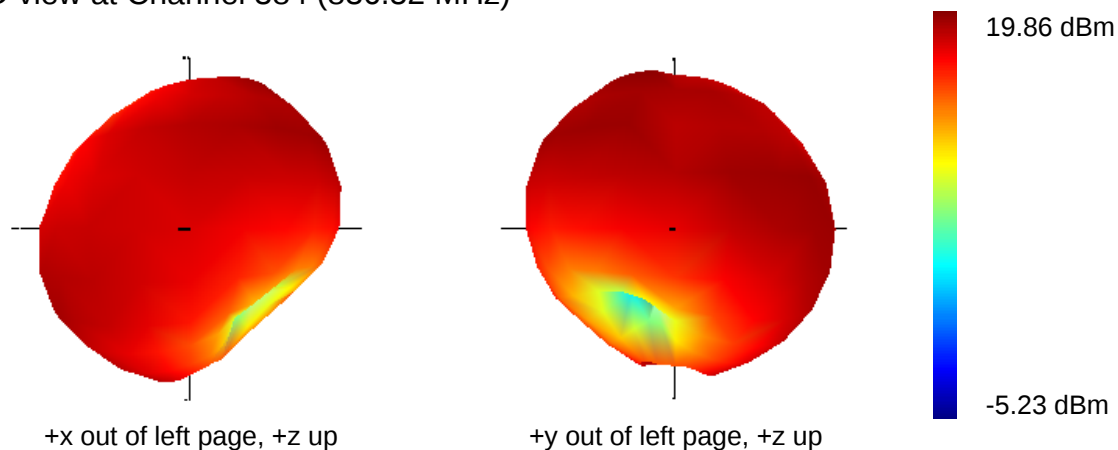
3D view at Channel 600 (1960 MHz)



TRP FS CDMA2000 BC0: US/Korean Cellular internal

Measurement date	2013-3-4
Tester model	Agilent Technologies 8960 Series 10 E5515C
Tester serial number	GB42100207
Tester firmware	CDMA 2000 Mobile Test B.12.12
Measurement software version	2.22.0
Measurement Algorithm	TRP
DUT TX Power	maximum

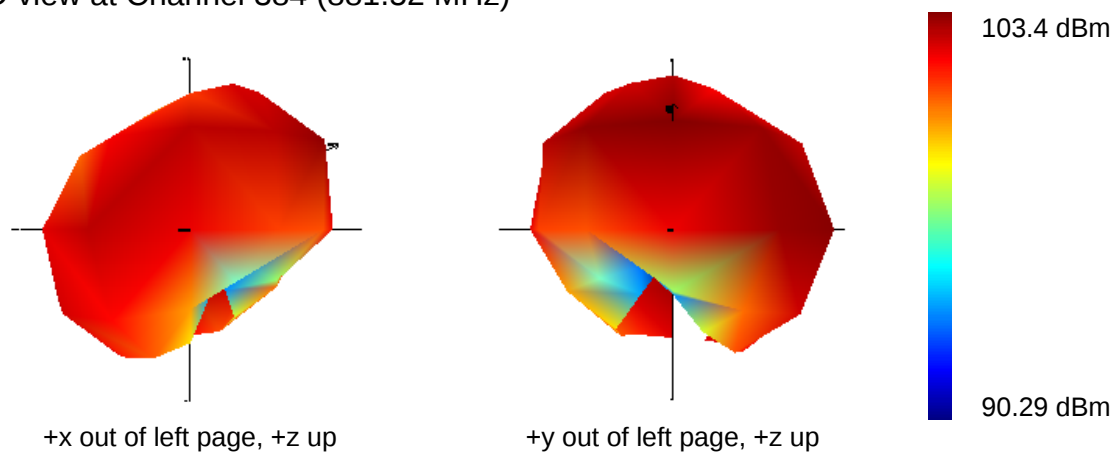
3D view at Channel 384 (836.52 MHz)



TIS FS CDMA2000 BC0: US/Korean Cellular internal

Measurement date	2013-3-4
Tester model	Agilent Technologies 8960 Series 10 E5515C
Tester serial number	GB42100207
Tester firmware	CDMA 2000 Mobile Test B.12.12
Measurement software version	2.22.0
Measurement Algorithm	TIS
DUT TX Power	maximum

3D view at Channel 384 (881.52 MHz)



2. ZigBee Antenna

2.1 Characteristic

Model	Tag4.3 Antenna		
Type	Printed IF Type(ZigBee)		
Characteristic	Electrical Char.	Frequency Range	2400MHz ~ 2484MHz
		Polarization	Linear
		Gain	2.5dBi Max
		V. S. W. R	1 : 2 Max
		Impedance	50 Ω
	Physical Char.	Dimension	26× 7 mm

2.2 Radiated pattern

