

ANTENNA SPECIFICATION

PRODUCT NAME	Spruce
ANTENNA MODEL	001-21527L-C01 ANT

Manufacturer Name: Chicony Electronics Co., Ltd.

Manufacturer Address:

No.69, Sec. 2. Guangfu. Rd., Sanchong Dist.,NewTaipei City 24158,
Taiwan



香港商立德國際商品試驗有限公司桃園分公司

Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch [Bureau Veritas ADT]

www.bv.com.tw Hwa Ya Lab & Head Office, Tel +886-3-3183232 / Linkou EMC/RF Lab, Tel +886-2-26052180 / Hsinchu EMC/RF Lab, Tel +886-3-5935343

Brand / Model : Microsoft Wireless Keyborad Leo
Remark : CH : 2403 MHz
Sample No. EV1 343
Tested by : Dalen Dai

Location: RF Chamber

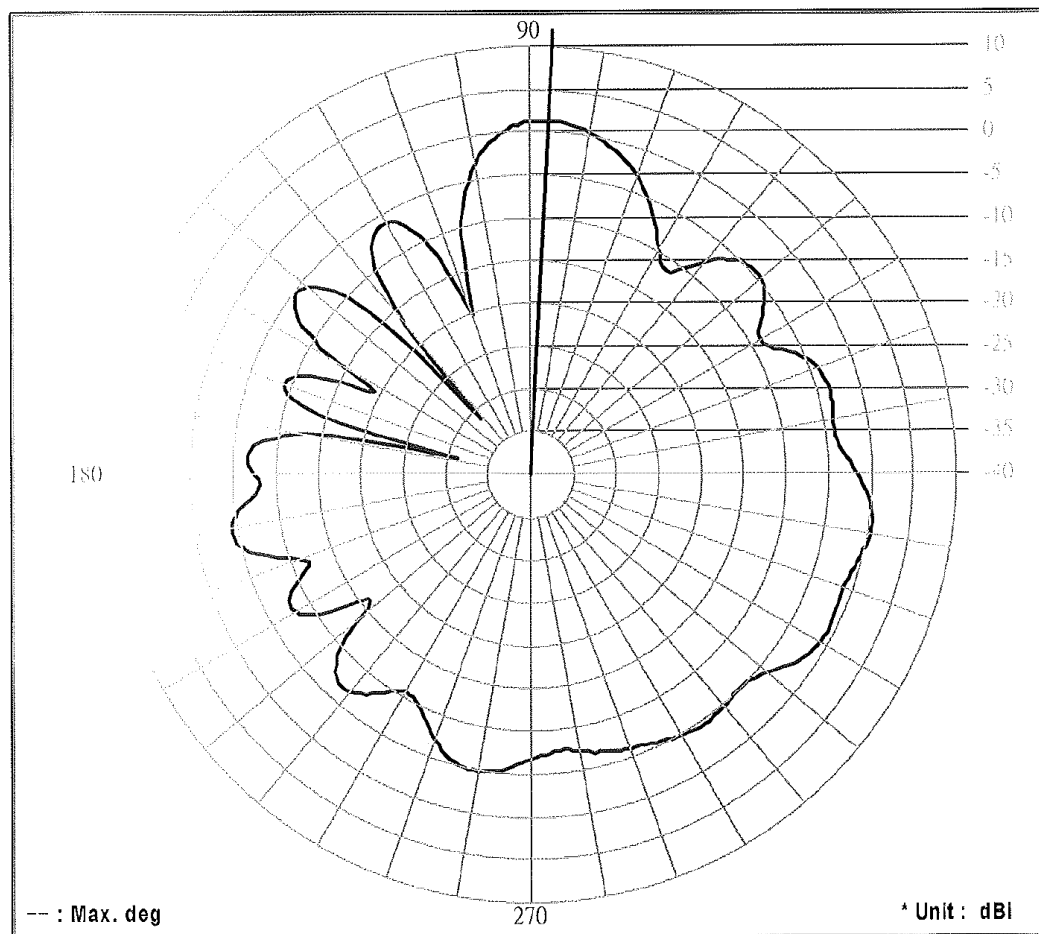
Date: 2016/6/30

Time: 下午 01:55:39

Temperature (°C): 25

Humidity (%): 75

Approved by:



Frequency (MHz) : 2403.00

Antenna Polarity : Horizontal

Average Value (dBi) : -4.47

Maximum Value (dBi) : 1.39

Maximum Value (degree) : 87

Minimum Value (dBi) : -31.36

Minimum Value (degree) : 167

V 6.2

D:\2Antenna Pattern V6.2\Graph\0630\06300007.png

Brand / Model : Microsoft Wireless Keyborad Leo
Remark : CH : 2444 MHz
Sample No. EV1 343
Tested by : Dalen Dai

Location: RF Chamber

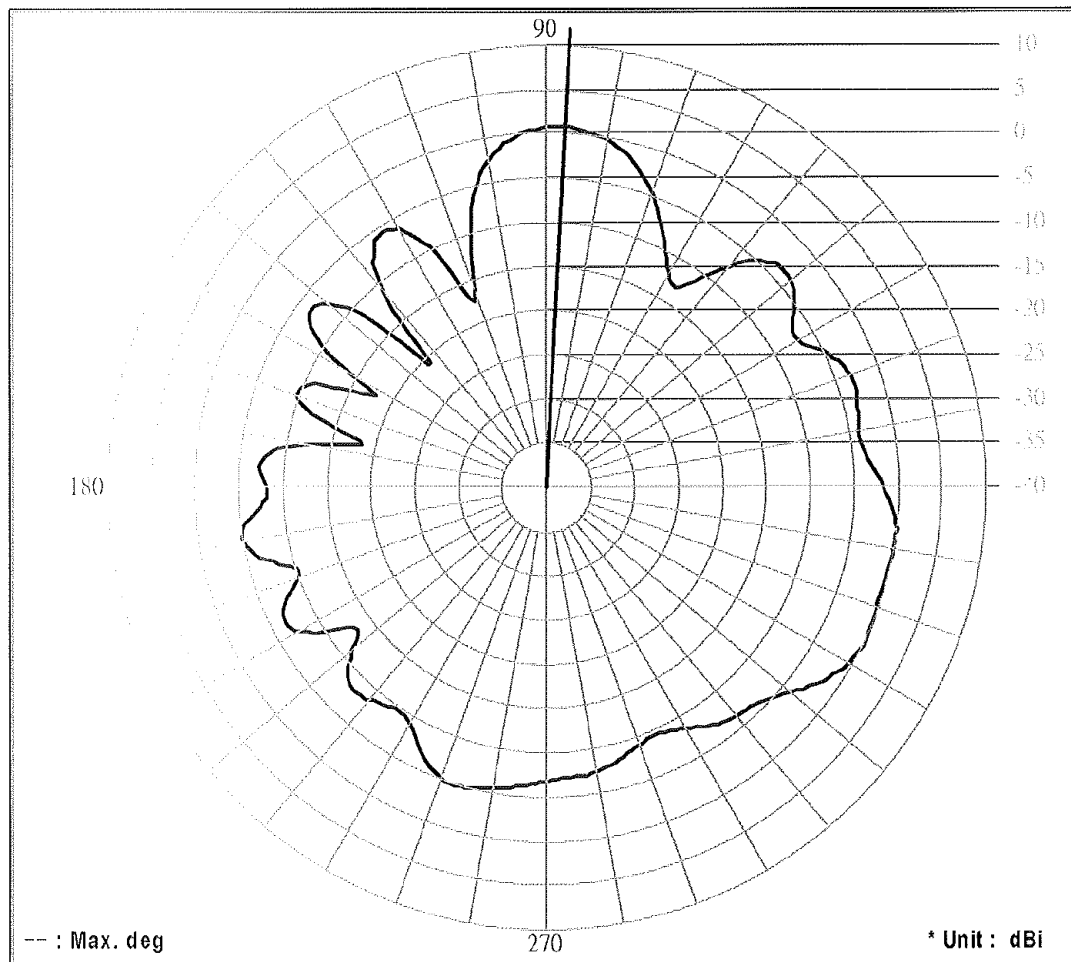
Date: 2015/6/30

Time: 下午 01:58:58

Temperature (C): 25

Humidity (%): 75

Approved by:



Frequency (MHz) : 2444.00

Antenna Polarity : Horizontal

Average Value (dBi) : -4.61

Maximum Value (dBi) : 0.84

Maximum Value (degree) : 87

Minimum Value (dBi) : -20.75

Minimum Value (degree) : 134

V 6.2

D:\2Antenna Pattern V6.2\Graph\0630\06300008.png

Brand / Model : Microsoft Wireless Keyborad Leo
Remark : CH : 2480 MHz
Sample No. EV1 343
Tested by : Dalen Dai

Location: RF Chamber

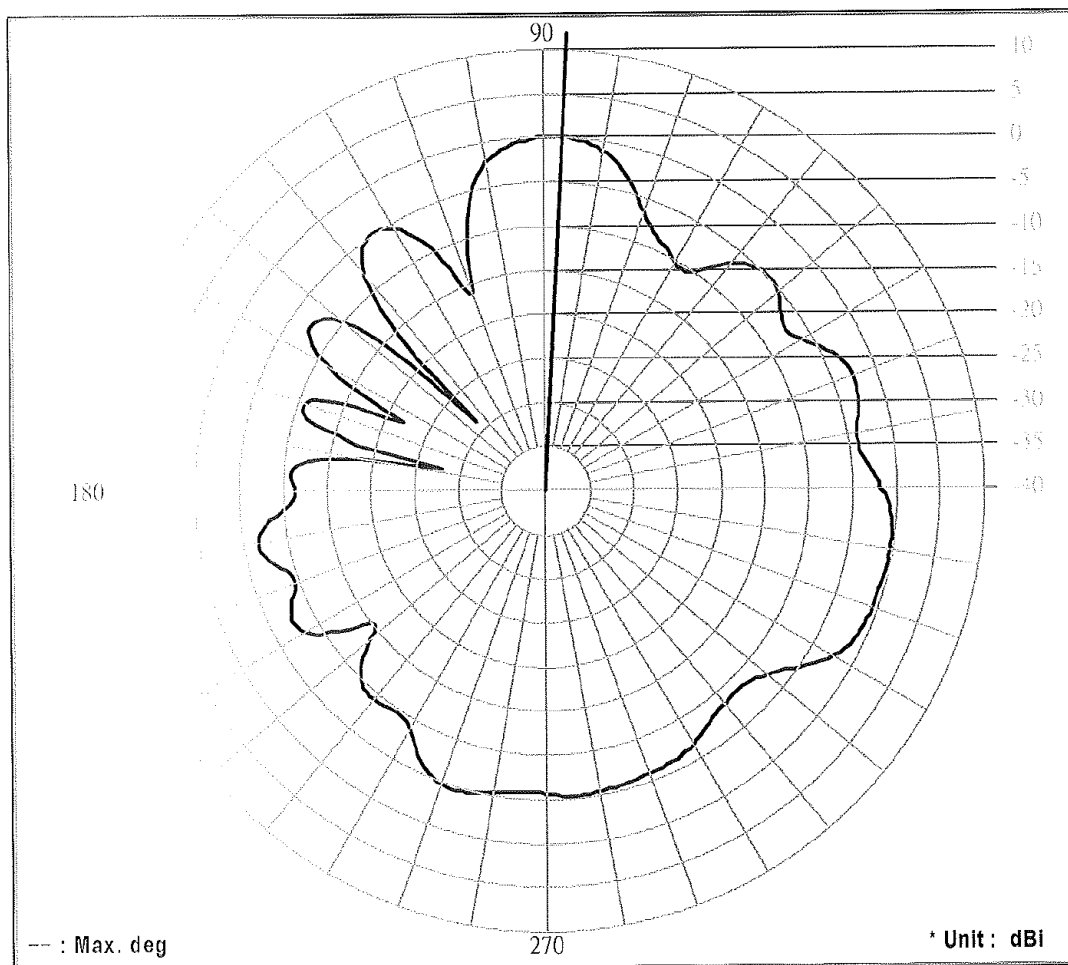
Date: 2015/6/30

Time: 下午 02:00:54

Temperature (C): 25

Humidity (%): 75

Approved by:



Frequency (MHz) : 2480.00

Antenna Polarity : Horizontal

Average Value (dBi) : -4.99

Maximum Value (dBi) : 0.16

Maximum Value (degree) : 87

Minimum Value (dBi) : -28.92

Minimum Value (degree) : 135



香港商立德國際商品試驗有限公司桃園分公司

Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch [Bureau Veritas ADT]

www.adt.com.hk Hwa Ya Lab & Head Office, Tel +886-3-3183232 / Linkou EMC/RF Lab, Tel +886-2-26052180 / Hsinchu EMC/RF Lab, Tel +886-3-5935343

Brand / Model : Microsoft Wireless Keyborad Leo

Remark : CH : 2403 MHz

Sample No. EV1 343

Tested by : Dalen Dai

Location: RF Chamber

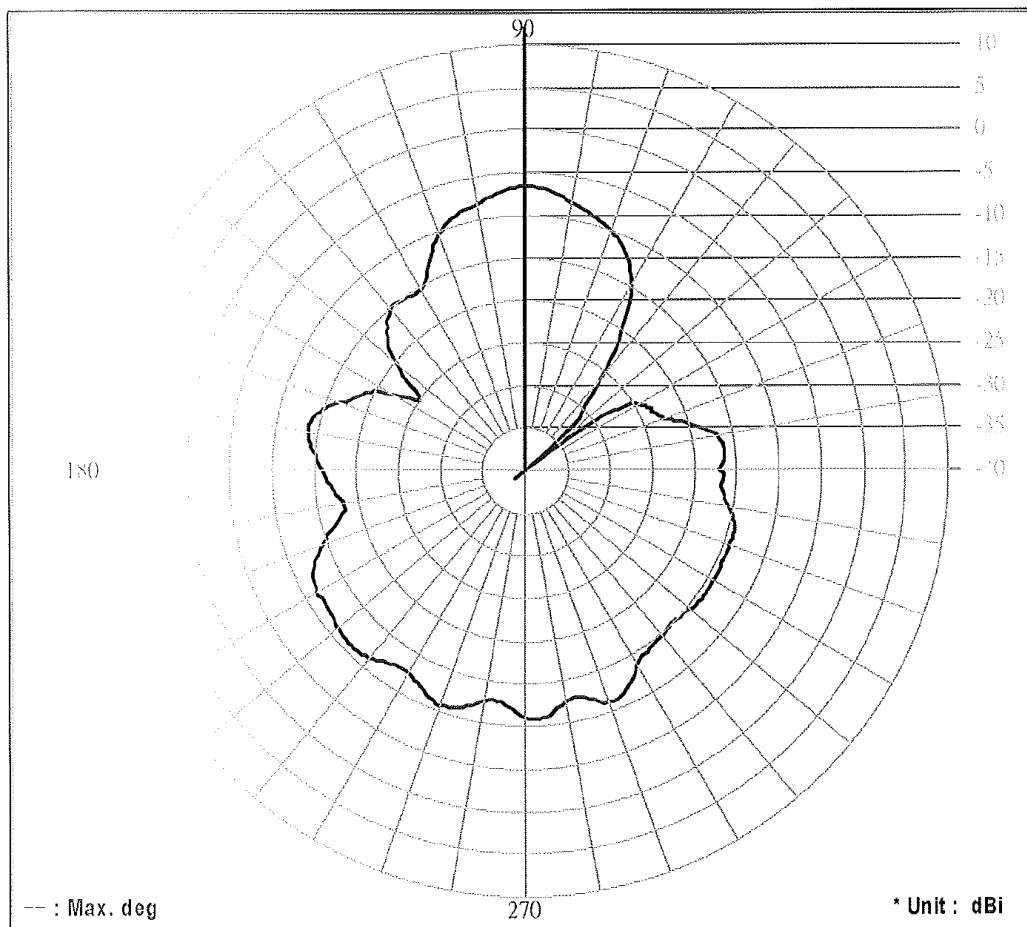
Date: 2015/6/30

Time: 下午 02:14:32

Temperature (°C) 25

Humidity (%): 75

Approved by:



Frequency (MHz) : 2403.00

Antenna Polarity : Vertical

Average Value (dBi) : -12.81

Maximum Value (dBi) : -6.59

Maximum Value (degree) : 90

Minimum Value (dBi) : -41.45

Minimum Value (degree) : 39

V6.2

D:\2Antenna Pattern V6.2\Graph\0630\06300012.png



香港商立德國際商品試驗有限公司桃園分公司

Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch [Bureau Veritas ADT]

www.adt.com.tw Hwa Ya Lab & Head Office, Tel +886-3-3183232 / Linkou EMC/RF Lab, Tel +886-2-26052180 / Hsinchu EMC/RF Lab, Tel +886-3-5935343

Brand / Model : Microsoft Wireless Keyborad Leo
Remark : CH : 2444 MHz
Sample No. EV1 343
Tested by : Dalen Dai

Location: RF Chamber

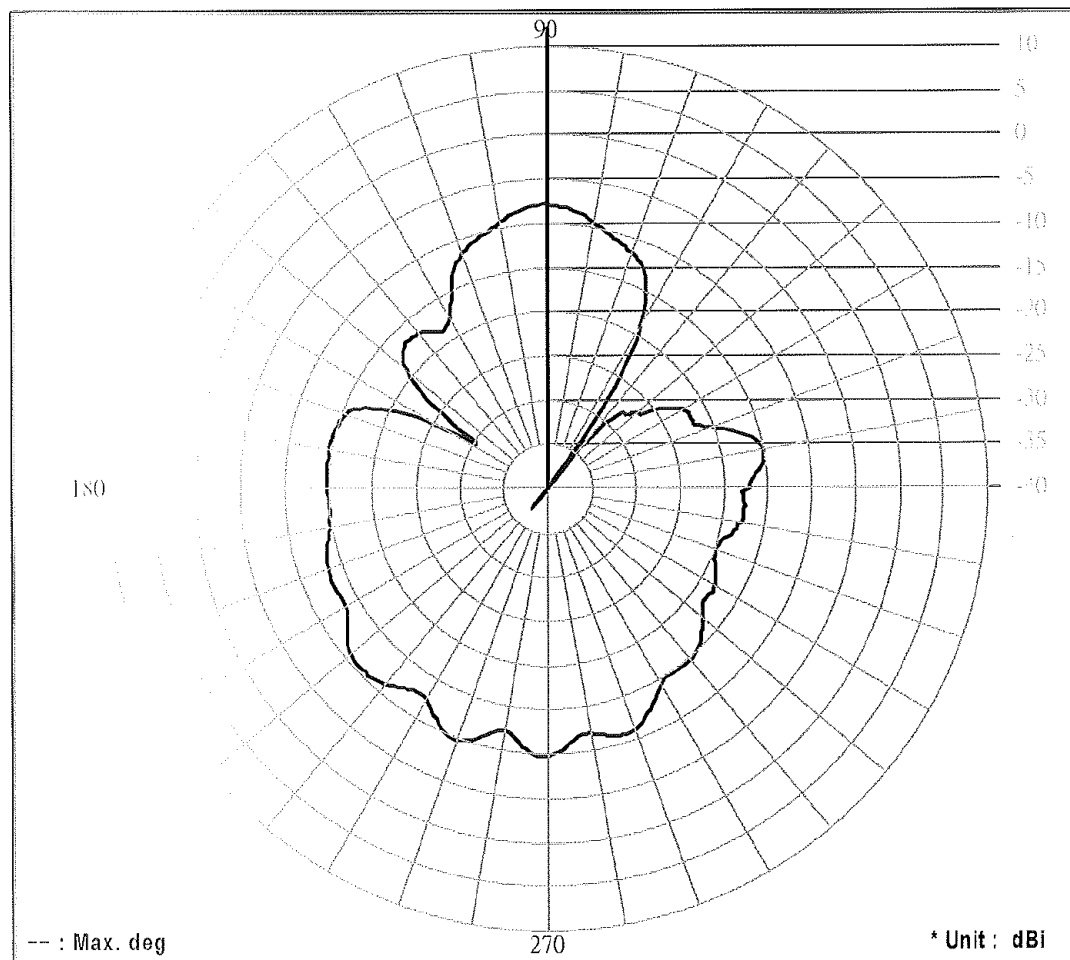
Date: 2015/6/30

Time: 下午 02:12:31

Temperature (°C): 25

Humidity (%): 75

Approved by:



Frequency (MHz): 2444.00

Antenna Polarity: Vertical

Average Value (dBi): -13.35

Maximum Value (dBi): -7.84

Maximum Value (degree): 90

Minimum Value (dBi): -42.99

Minimum Value (degree): 52

V 6.2

D:\2Antenna Pattern V6.2\Graph\0630\06300011.png



香港商立德國際商品試驗有限公司桃園分公司

Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch [Bureau Veritas ADT]

www.adt.com.tw Hwa Ya Lab & Head Office, Tel +886-3-3183232 / Linkou EMC/RF Lab, Tel +886-2-26052180 / Hsinchu EMC/RF Lab, Tel +886-3-5935343

Brand / Model : Microsoft Wireless Keyborad Leo

Remark : CH : 2480 MHz

Sample No. EV1 343

Tested by : Dalen Dai

Location: RF Chamber

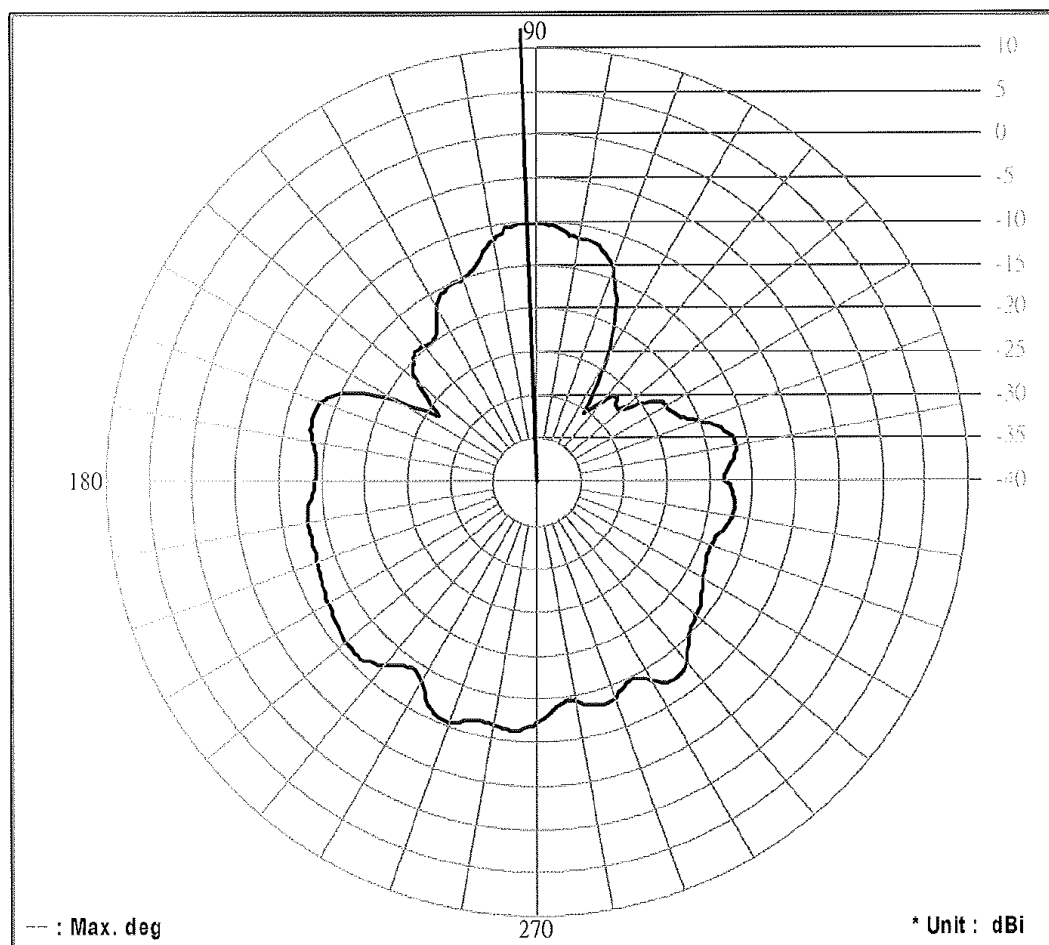
Date: 2015/6/30

Time: 下午 02:06:38

Temperature (°C): 25

Humidity (%): 75

Approved by:



Frequency (MHz) : 2480.00

Antenna Polarity : Vertical

Average Value (dBi) : -14.19

Maximum Value (dBi) : -10.18

Maximum Value (degree) : 92

Minimum Value (dBi) : -30.36

Minimum Value (degree) : 55

V 6.2

D:\2Antenna Pattern V6.2\Graph\0630\06300010.png

Antenna size: