

ANTENNA TEST REPORT

Applicant	Guangdong Leetac Electronics Technology Co., Ltd.
Address	No.15 Danli Road, South District, Zhongshan, Guangdong, China.

Manufacturer or Supplier	Guangdong Leetac Electronics Technology Co., Ltd.
Address	No.15 Danli Road, South District, Zhongshan, Guangdong, China.
Product	Antenna
Brand Name	N/A
Model	ANT01
Max. Peak Gain	2.92 dBi
Date of tests	Dec. 09, 2022

Tested by Andy Zhu Supervisor / EMC Department	Approved by Glyn He Assistant Manager / EMC Department
	 Date: Dec. 14, 2022

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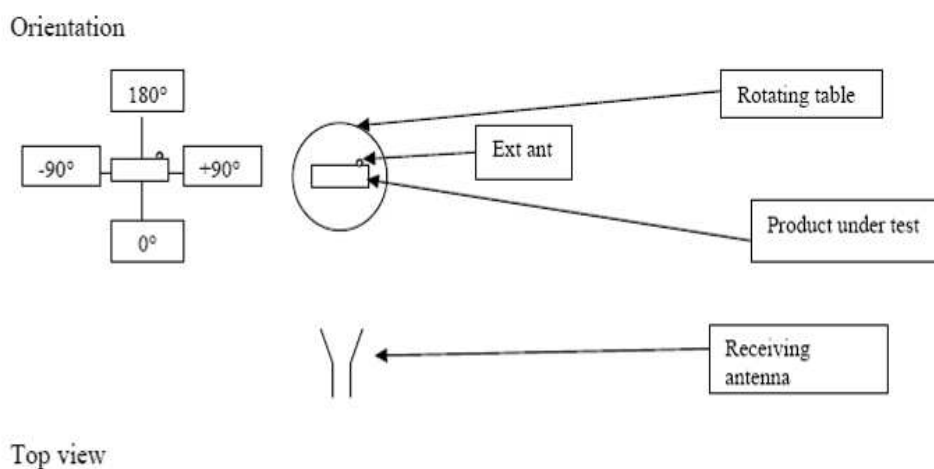


Test Report No.: AN2210WDG0163

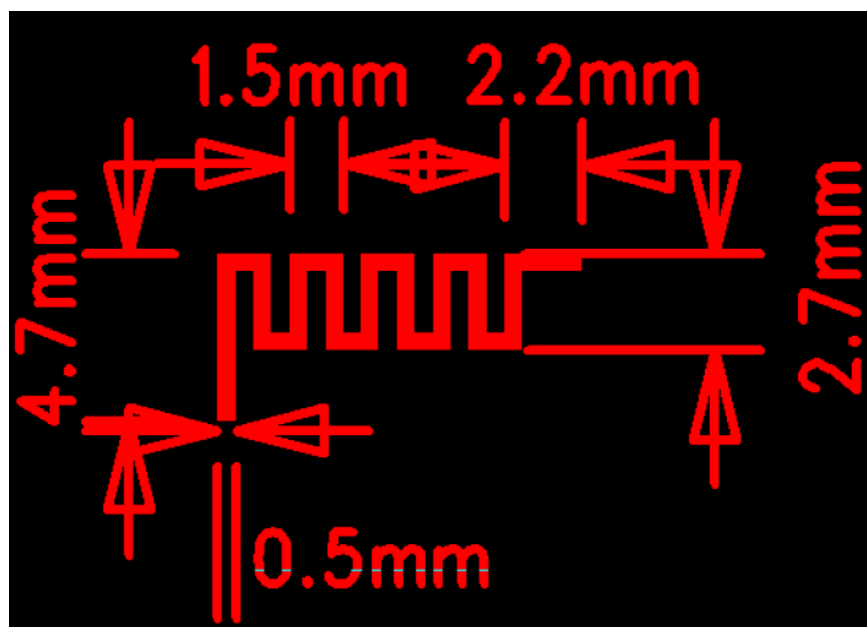
TABLE OF CONTENTS

1. MEASUREMENTS SETUP	3
2. SIZE OF THE ANTENNA.....	3
3. TEST INSTRUMENTS	4
4. TEST RESULTS.....	5
5. PHOTOGRAPHS OF THE TEST CONFIGURATION.....	12

1. MEASUREMENTS SETUP



2. SIZE OF THE ANTENNA



3. TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
Signal Generator	Agilent	N5183A	MY50140980	Jul. 20, 23
Spectrum Analyzer	Rohde&Schwarz	FSV40	101003	Jan. 16, 23
Broad-Band Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1247	Apr. 23, 23
Broad-Band Horn Antenna	SCHWARZBECK	BBHA 9120 B	00740	Jul. 20, 23
Turn Table	MF	MF-7802	MF780208191	N/A
Controller	MF	MF-7802	MF780208243	N/A
Test Software	BV ADT	BV ADT Antenna Pattern	V6.2	N/A

NOTE: 1. The test was performed in Fully Anechoic Room.
 2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.

4. TEST RESULTS

ANTENNA	FREQUENCY (MHz)	ANTENNA POLARITY	MAX. PEAK GAIN (dBi)
PCB	2402	Horizontal	2.73
		Vertical	-2.51
	2440	Horizontal	2.92
		Vertical	-1.51
	2480	Horizontal	2.88
		Vertical	-0.57

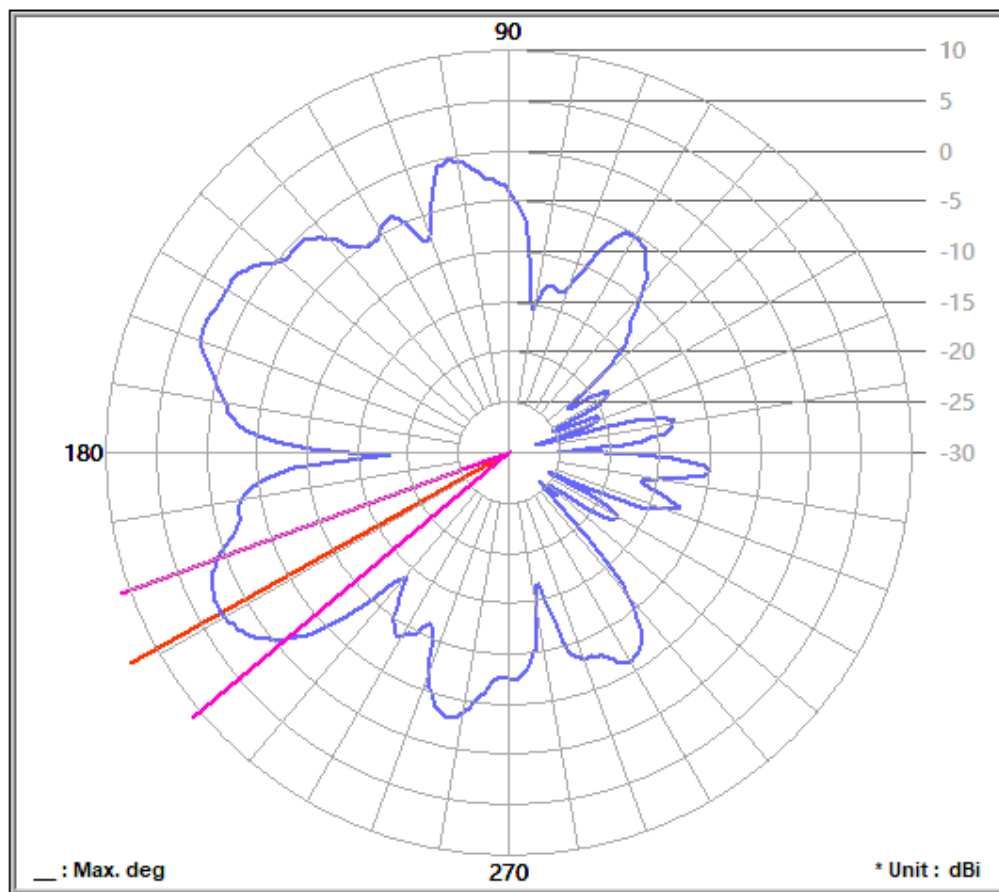


Frequency: 2402 MHz (Horizontal)

Location : RF Chamber

Date: 2022/12/9

Time: 14:08:31



Frequency (MHz) : 2402.00

Polarity : Horizontal

Average Gain (dB) : -4.11

Max. Gain (dB) : 2.73

Max. Gain (degree) : 209

Beamwidth Degree : 20

Mini. Gain (dB) : -27.20

Mini. Gain (degree) : 17

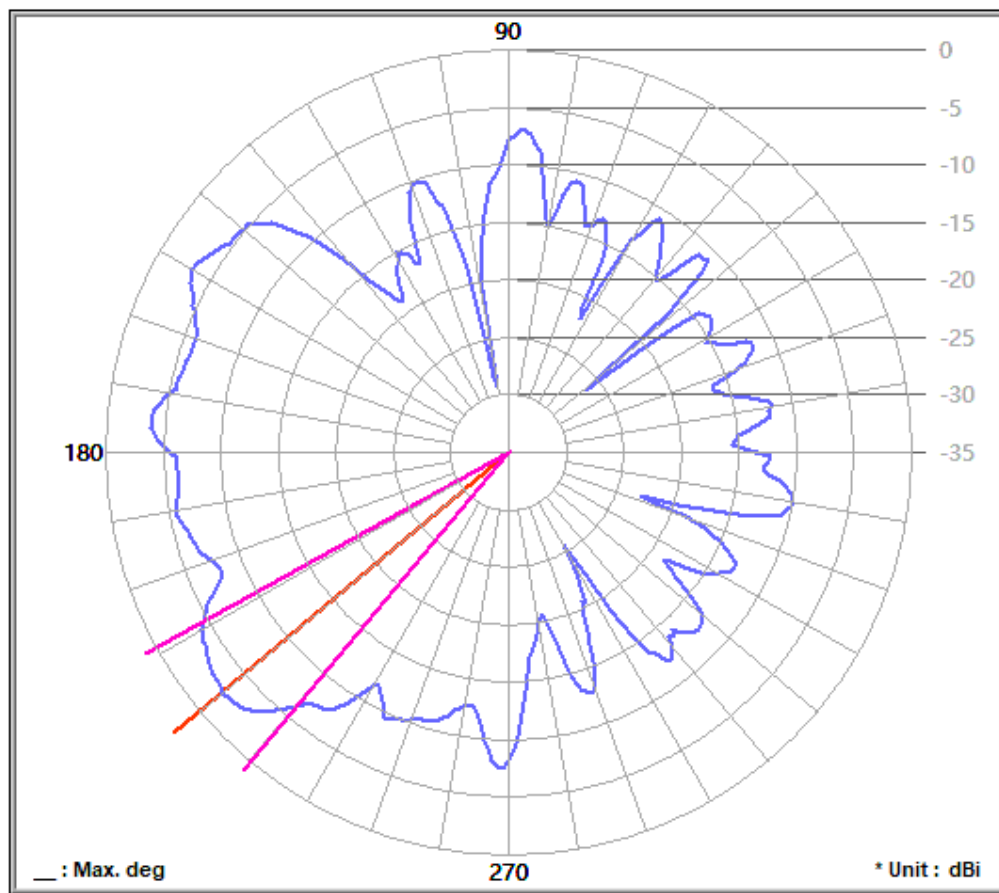
(at the 3 dB down)

Frequency: 2402 MHz (Vertical)

Location : RF Chamber

Date: 2022/12/9

Time: 14:02:11



Frequency (MHz) : 2402.00

Polarity : Vertical

Average Gain (dB) : -8.93

Max. Gain (dB) : -2.51

Max. Gain (degree) : 220

Beamwidth Degree : 21

Mini. Gain (dB) : -29.16

Mini. Gain (degree) : 100

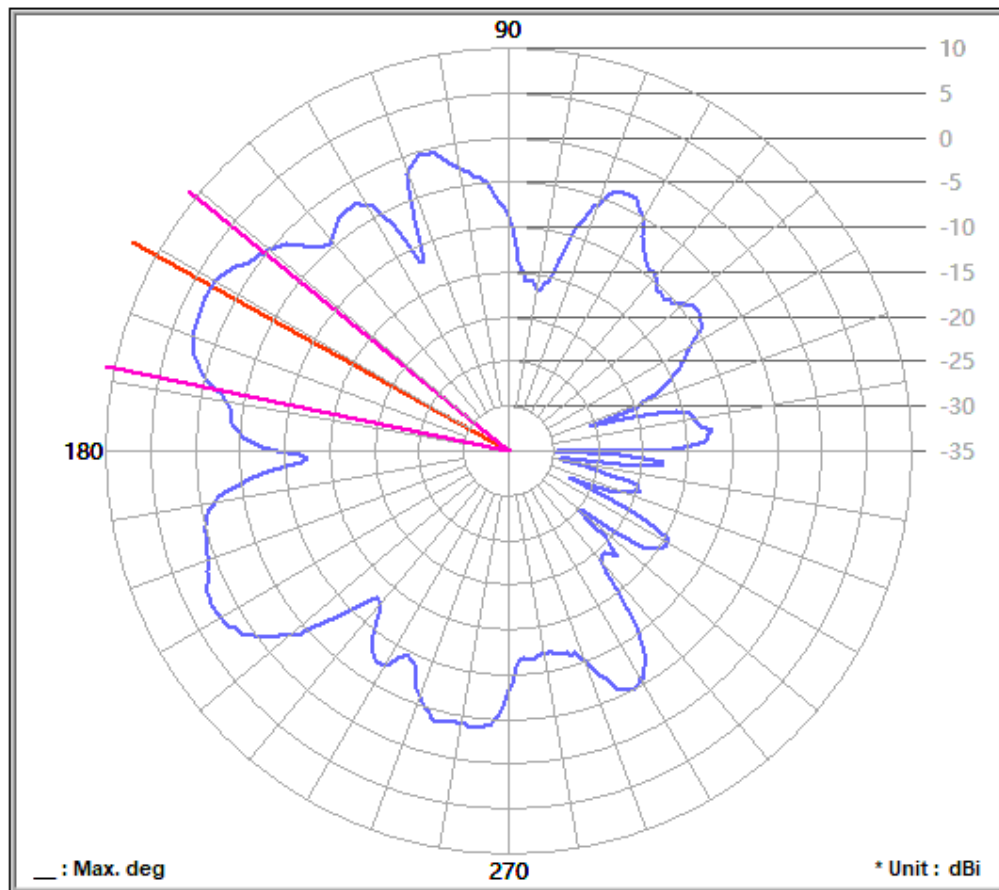
(at the 3 dB down)

Frequency: 2440 MHz (Horizontal)

Location : RF Chamber

Date: 2022/12/9

Time: 14:12:14



Frequency (MHz) : 2440.00

Polarity : Horizontal

Average Gain (dB) : -4.14

Max. Gain (dB) : 2.92

Max. Gain (degree) : 151

Beamwidth Degree : 27

Mini. Gain (dB) : -29.81

Mini. Gain (degree) : 359

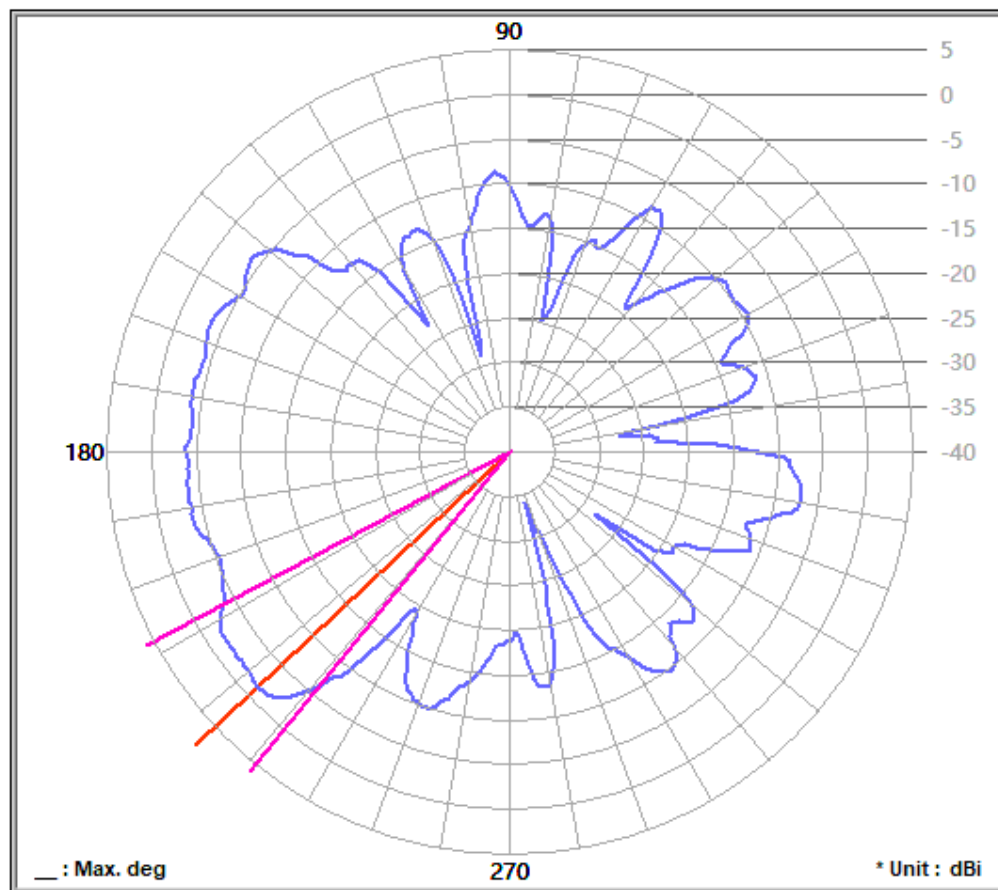
(at the 3 dB down)

Frequency: 2440 MHz (Vertical)

Location : RF Chamber

Date: 2022/12/9

Time: 13:51:40



Frequency (MHz) : 2440.00

Polarity : Vertical

Average Gain (dB) : -8.24

Max. Gain (dB) : -1.51

Max. Gain (degree) : 223

Beamwidth Degree : 23

Mini. Gain (dB) : -34.13

Mini. Gain (degree) : 287

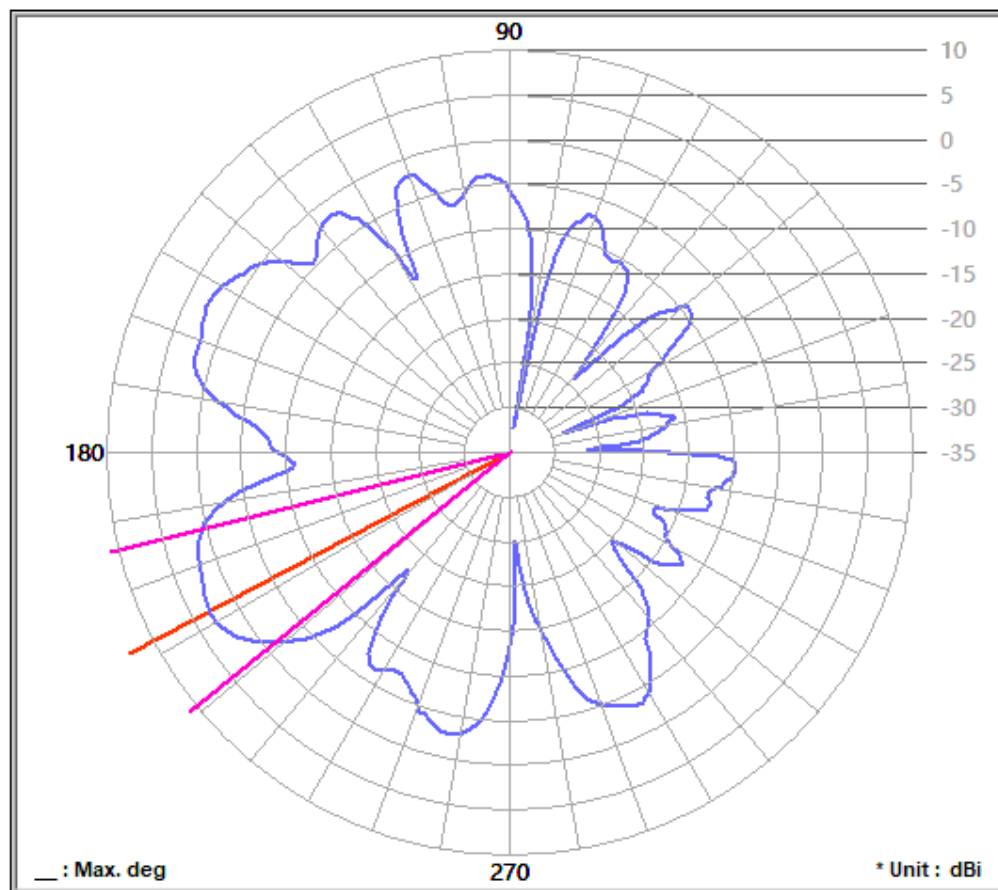
(at the 3 dB down)

Frequency: 2480 MHz (Horizontal)

Location : RF Chamber

Date: 2022/12/9

Time: 14:15:38



Frequency (MHz) : 2480.00

Polarity : Horizontal

Average Gain (dB) : -4.23

Max. Gain (dB) : 2.88

Max. Gain (degree) : 208

Beamwidth Degree : 25

Mini. Gain (dB) : -32.26

Mini. Gain (degree) : 80

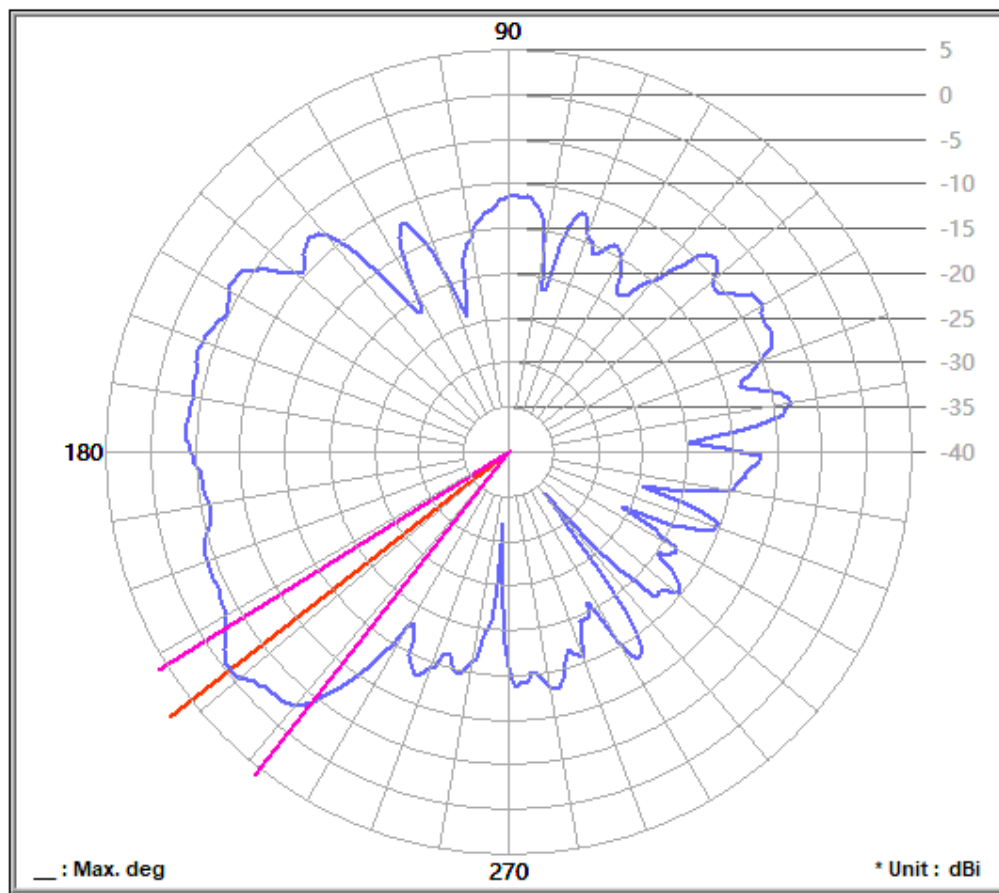
(at the 3 dB down)

Frequency: 2480 MHz (Vertical)

Location : RF Chamber

Date: 2022/12/9

Time: 13:55:55



Frequency (MHz) : 2480.00

Polarity : Vertical

Average Gain (dB) : -8.37

Max. Gain (dB) : -0.57

Max. Gain (degree) : 218

Beamwidth Degree : 20

Mini. Gain (dB) : -33.88

Mini. Gain (degree) : 311

(at the 3 dB down)

5. PHOTOGRAPHS OF THE TEST CONFIGURATION

