



承 認 書

APPROVAL SHEET

CUSTOMER: 錄森科技股份有限公司

CUSTOMER NO. : _____

FILE NO. : WB-E. 承-1110

DESCRIPTION: 2.4-2.5GHz single-band Antenna(SMA)

LITE P/N: CAR-ATR-187-001

DATE: 2008年06月18日

核 准 APPROVAL	業務部 SALES DEP.	品管部 Q. C DEP.	研發部 R&D. DEP.

堅詠工業有限公司

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[Http://www.liteconn.com](http://www.liteconn.com)

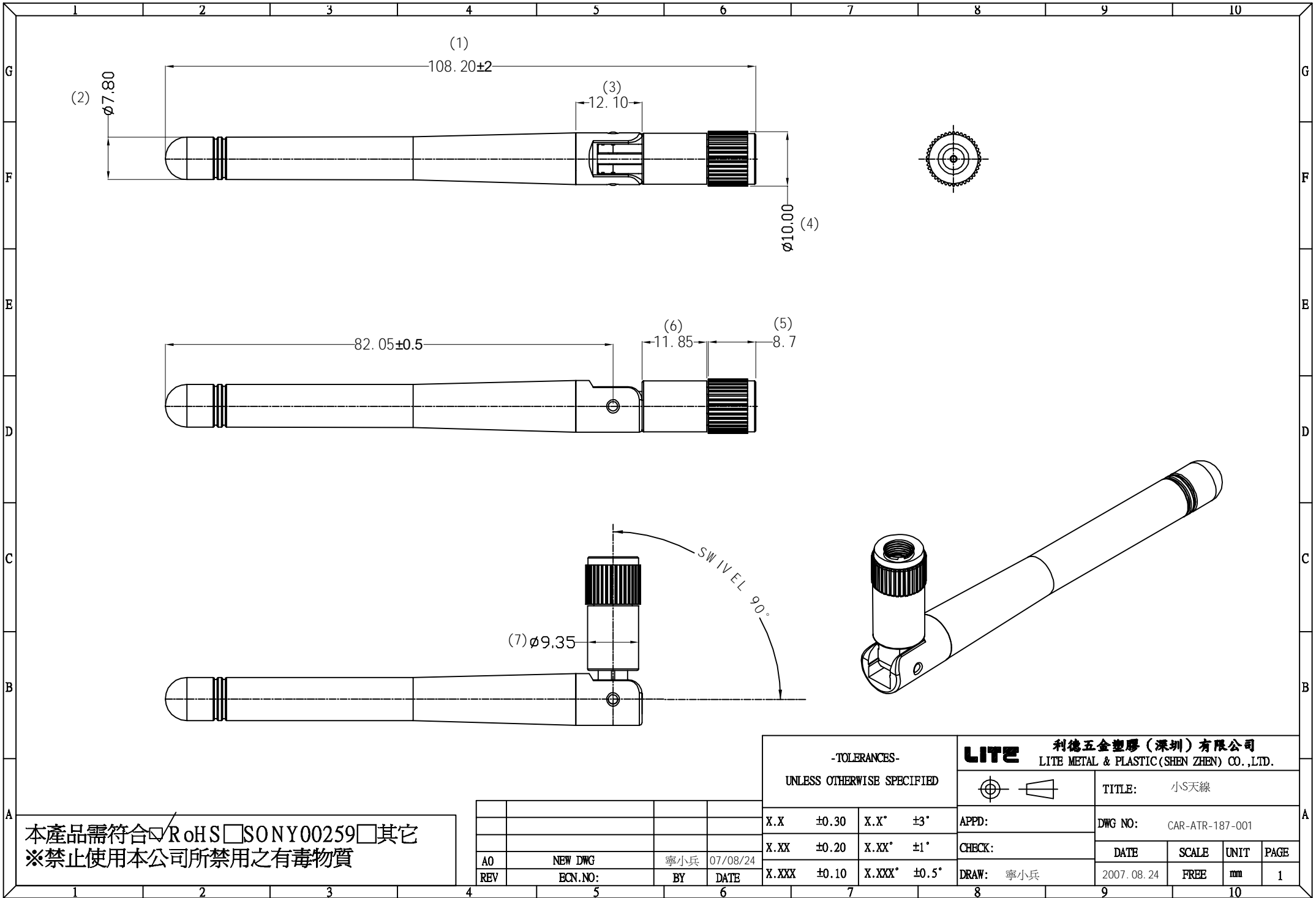
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LITE METALS&PLASTIC(SHENZHEN)CO.,LTD.

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本產品需符合 RoHS SONY00259 其它
 ※禁止使用本公司所禁用之有毒物質

AO	NEW DWG	寧小兵	07/08/24
REV	ECN.NO:	BY	DATE

-TOLERANCES-
UNLESS OTHERWISE SPECIFIED

X.X	±0.30	X.X°	±3°
X.XX	±0.20	X.XX°	±1°
X.XXX	±0.10	X.XXX°	±0.5°

LITE 利德五金塑膠(深圳)有限公司
 LITE METAL & PLASTIC(SHEN ZHEN) CO.,LTD.

TITLE: 小S天線

APPD: DWG NO: CAR-ATR-187-001

CHECK:	DATE	SCALE	UNIT	PAGE
DRAW: 寧小兵	2007.08.24	FREE	mm	1

TECHNICAL DATA

Material/Finish:

Name	Material	Finish
Connector Shell	POM	None
Center PIN	BRASS	Gold Plated
Insulator	PTFE	None
Plastic	PC+ABS (black)	None
Plastic	TPE (black)	None

Electrical:

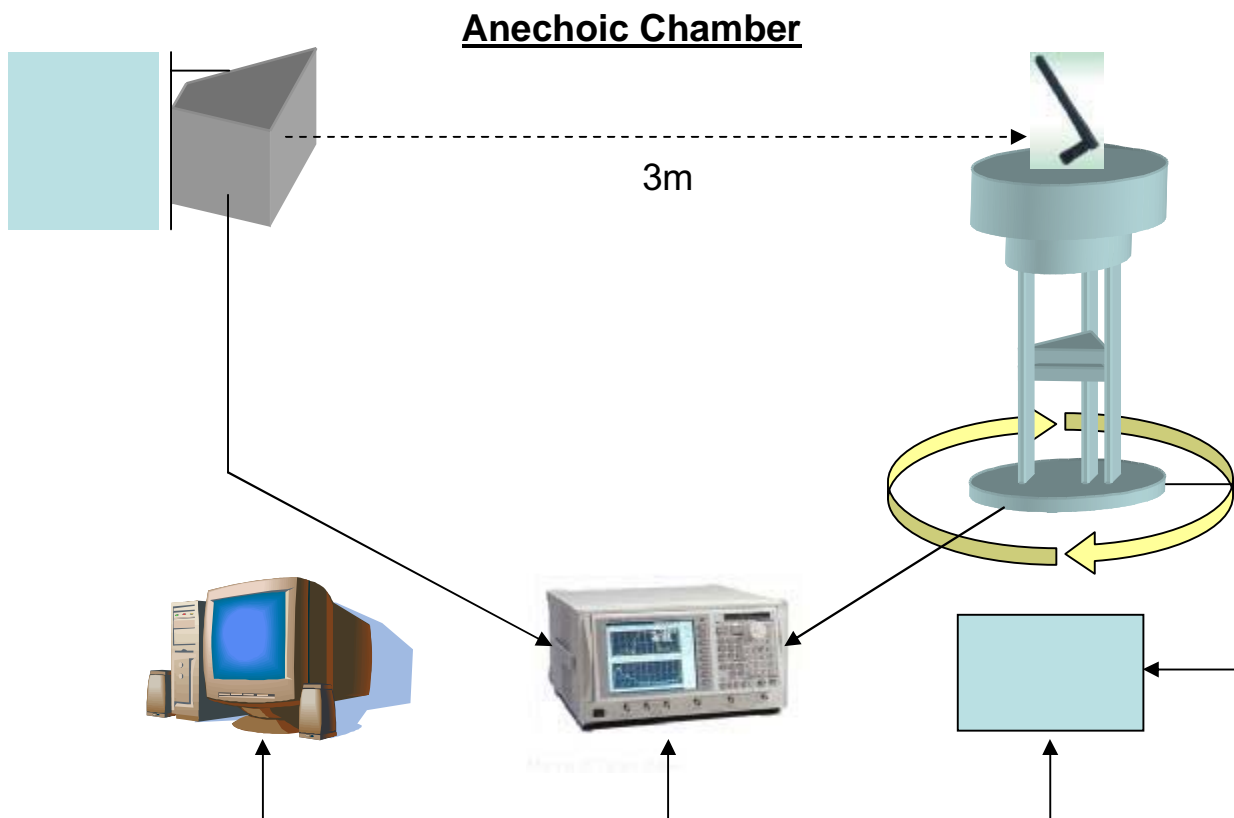
Frequency Range	2.4-2.5GHz
Nominal Impedance	50Ω
VSWR	2.0 MAX
Gain	2.0dBi MAX
Radiation	Omni
Polarization	Vertical

Mechanical & Environmental

Durability	500 Cycles MIN
Temperature Range	-55°C to +165°C
Relative Humidity	MIL-STD-202, method 106
Vibration	MIL-STD-202, method 213
Corrosion	MIL-STD-202, method 101

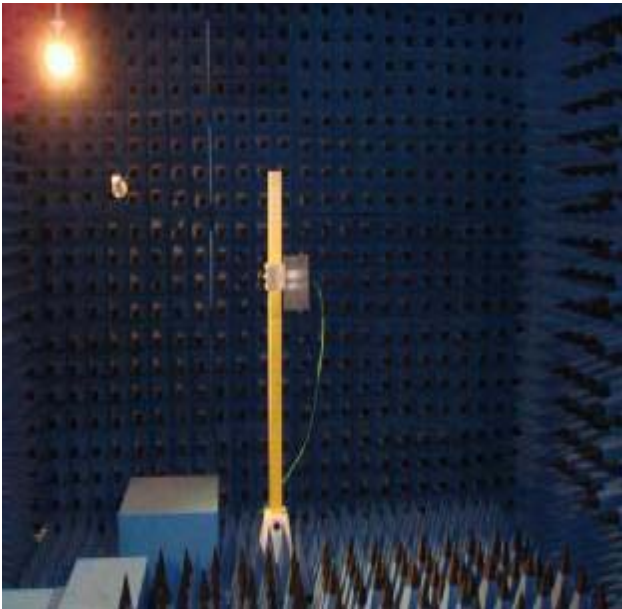
Antenna Testing Conditions :

Radiation Pattern Testing

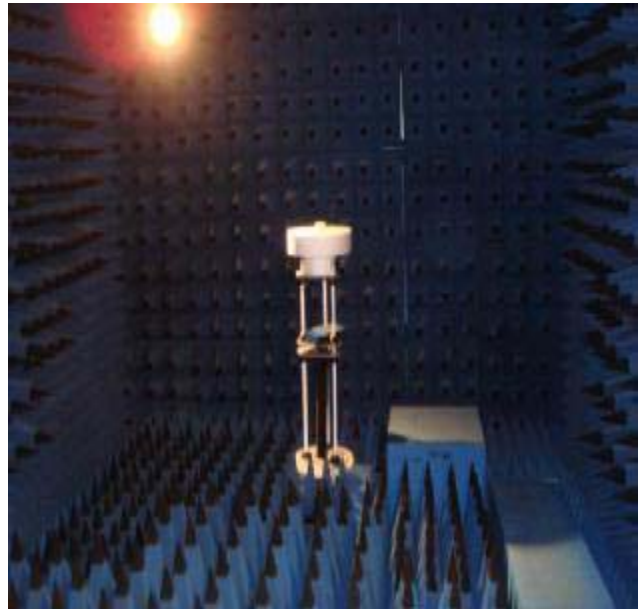


Anechoic Chamber

Standard Horn Antenna

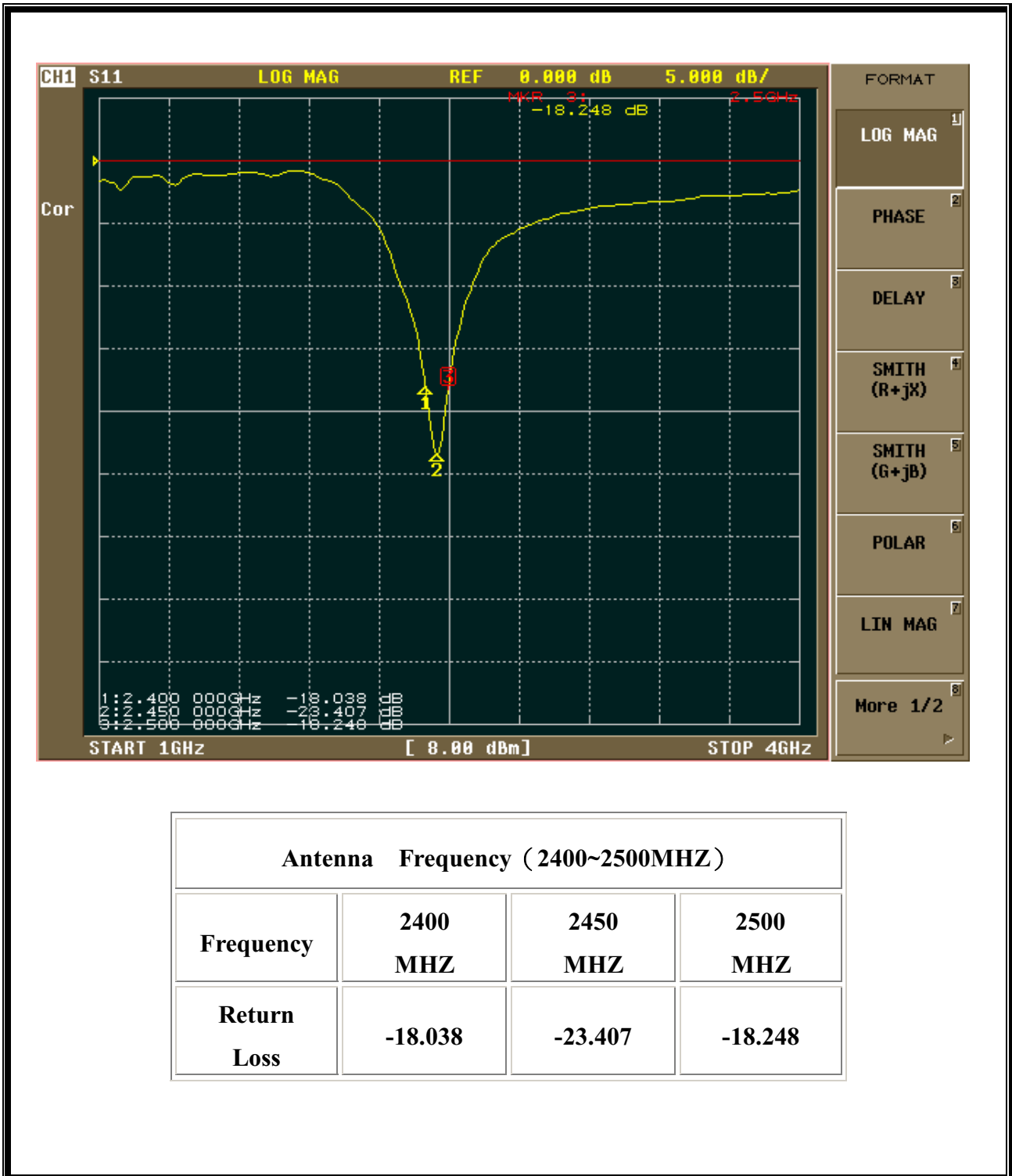


Antenna Test

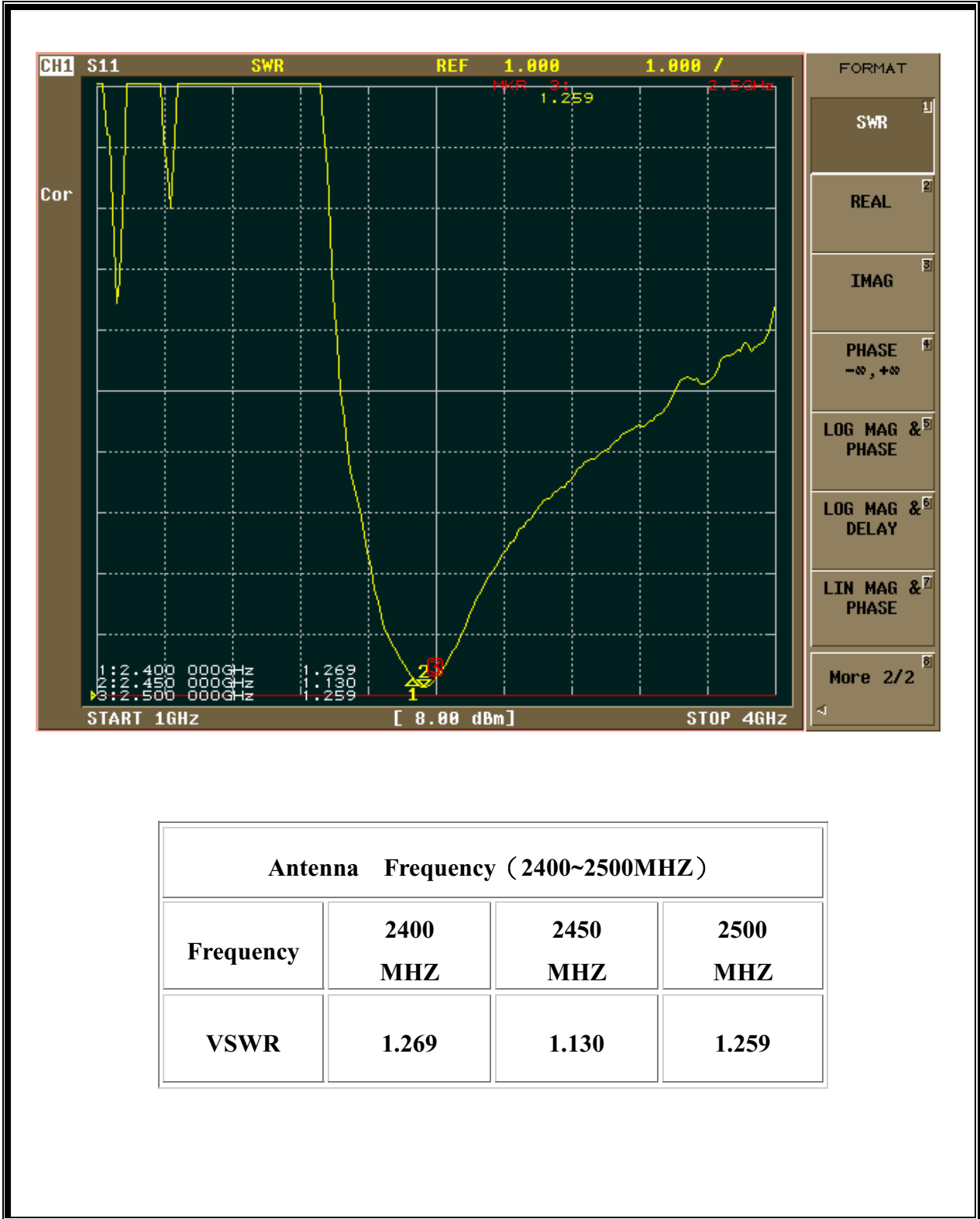


Antenna Electricity Characteristics :

1. Return Loss :



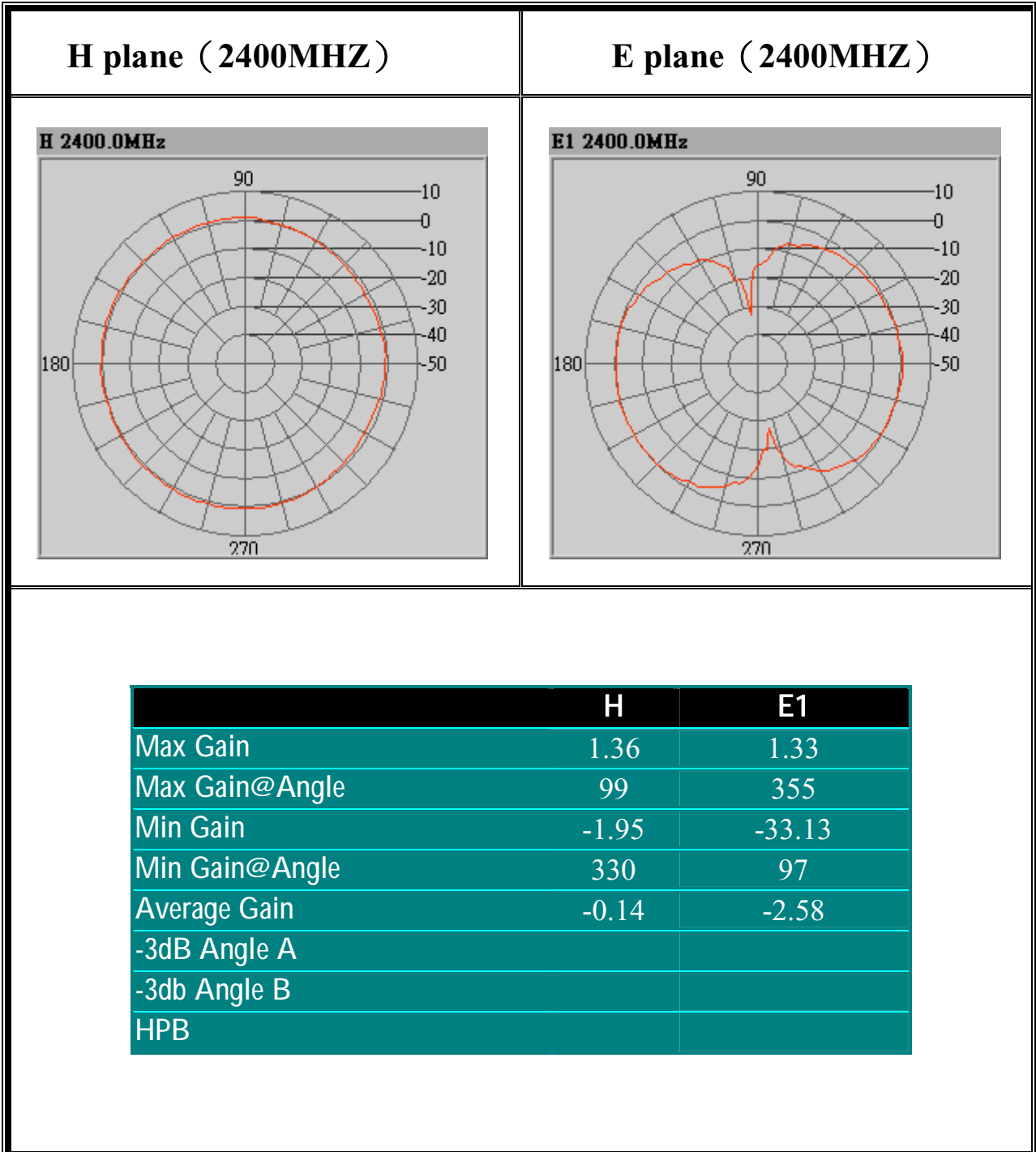
2. VSWR :



3. Smith Chart :

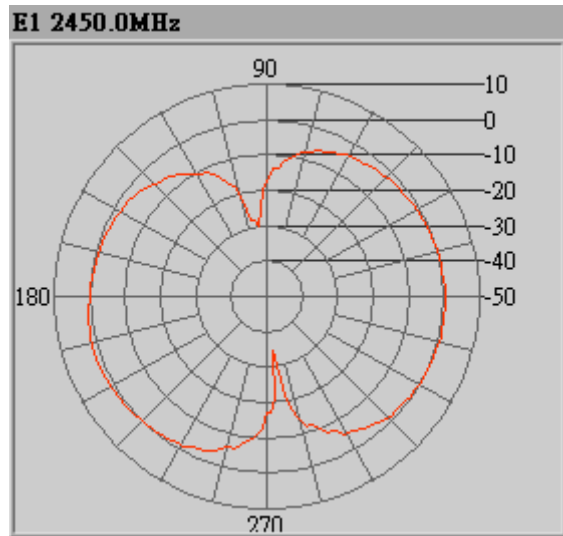
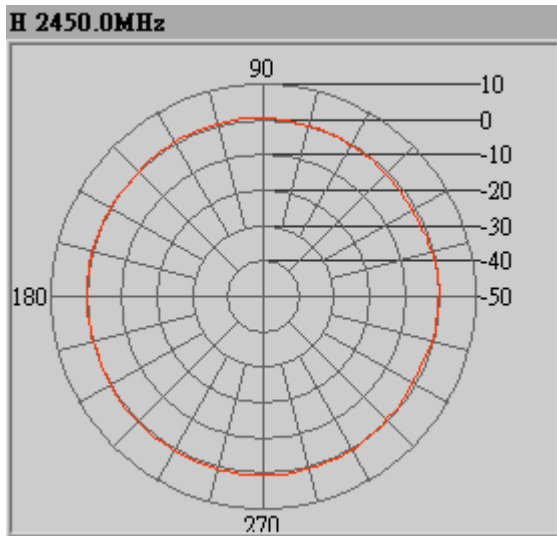


Antenna Radiation pattern :



H plane (2450MHZ)

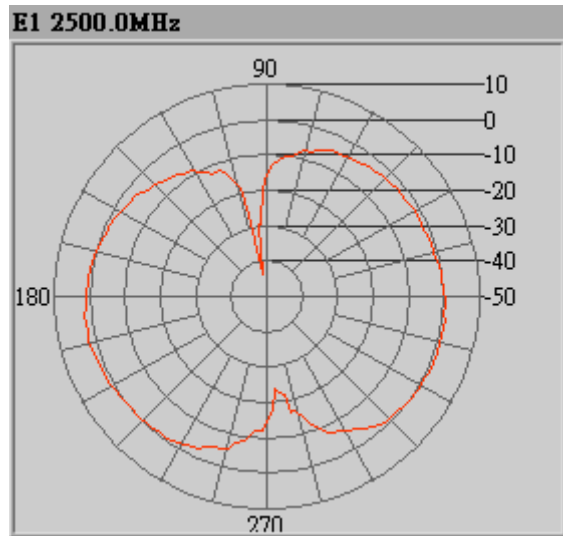
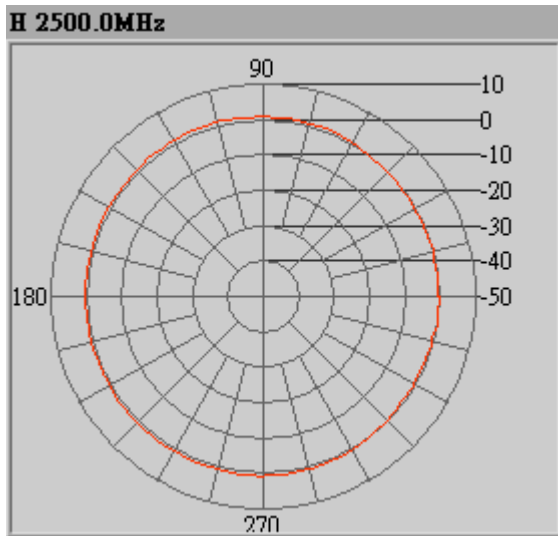
E plane (2450MHZ)



	H	E1
Max Gain	1.43	1.2
Max Gain@Angle	275	198
Min Gain	-1.39	-34.33
Min Gain@Angle	30	277
Average Gain	-0.19	-2.23
-3dB Angle A		
-3db Angle B		
HPB		

H plane (2500MHZ)

E plane (2500MHZ)



	H	E1
Max Gain	1.23	1.59
Max Gain@Angle	99	196
Min Gain	-1	-43.71
Min Gain@Angle	332	99
Average Gain	0.18	-2.21
-3dB Angle A		
-3db Angle B		
HPB		