
Data Sheet

CUSTOMER : Lenovo

Model Name : SA37A47021

VENDER : Luxshare – ICT

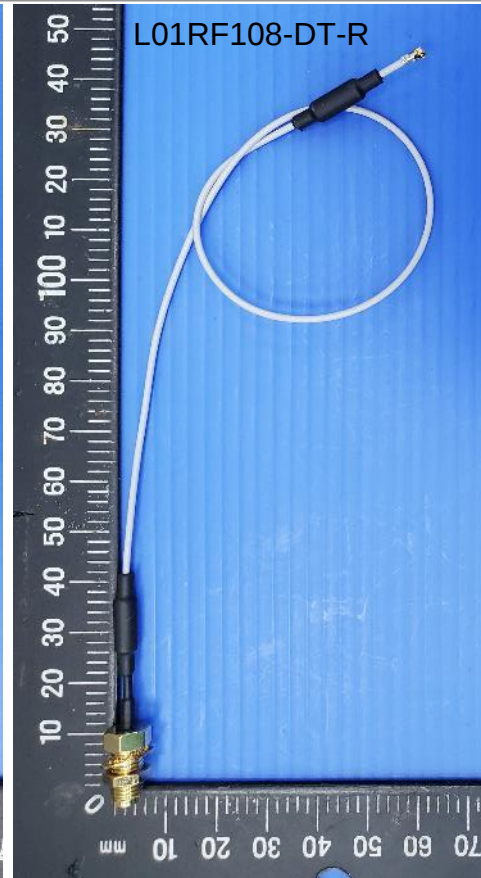
ADDRESS : 7F No. 568, Sec. 1, Minsheng N. Rd.,
Guishan Dist., Taoyuan City 333 , Taiwan (R.O.C.)

1. Antenna and Cable Description
2. Technical Specifications
3. Assembly Drawing
4. Performance Data

1. Antenna and Cable Description



L01RF316-DT-H



L01RF108-DT-R

2. Technical Specifications

Antenna

Application Band	2400MHz~2500MHz
	5150MHz~5850MHz
Operating temperature range	-40 ~ +85℃
S.W.R.	<2.0
Antenna Peak Gain without RF Cable	2.4Ghz band 2.8 dBi Max
	5.0 ~ 5.9Ghz band 2.6 dBi Max
Efficiency	>50%
Impedance	50 Ohm
Polarization / Azimuth	Linear / Omni-directional
Coaxial Cable	50 Ohm / O.D 1.78mm

2. Technical Specifications

RF Cable

Frequency	1 ~ 6GHz
Operating temperature range	-40 ~ +85°C
Insertionloss (450mm)	2.4GHz~2.5GHz 1.1 dB Min
	5.15~5.85GHz 1.9 dB Min
Insertionloss (470mm)	2.4GHz~2.5GHz 1.2 dB Min
	5.15~5.85GHz 2.0 dB Min
Coaxial Connector	50 Ohm RPSMA-BJ-1.37AS(Au)
	I-PEX MHF4-L

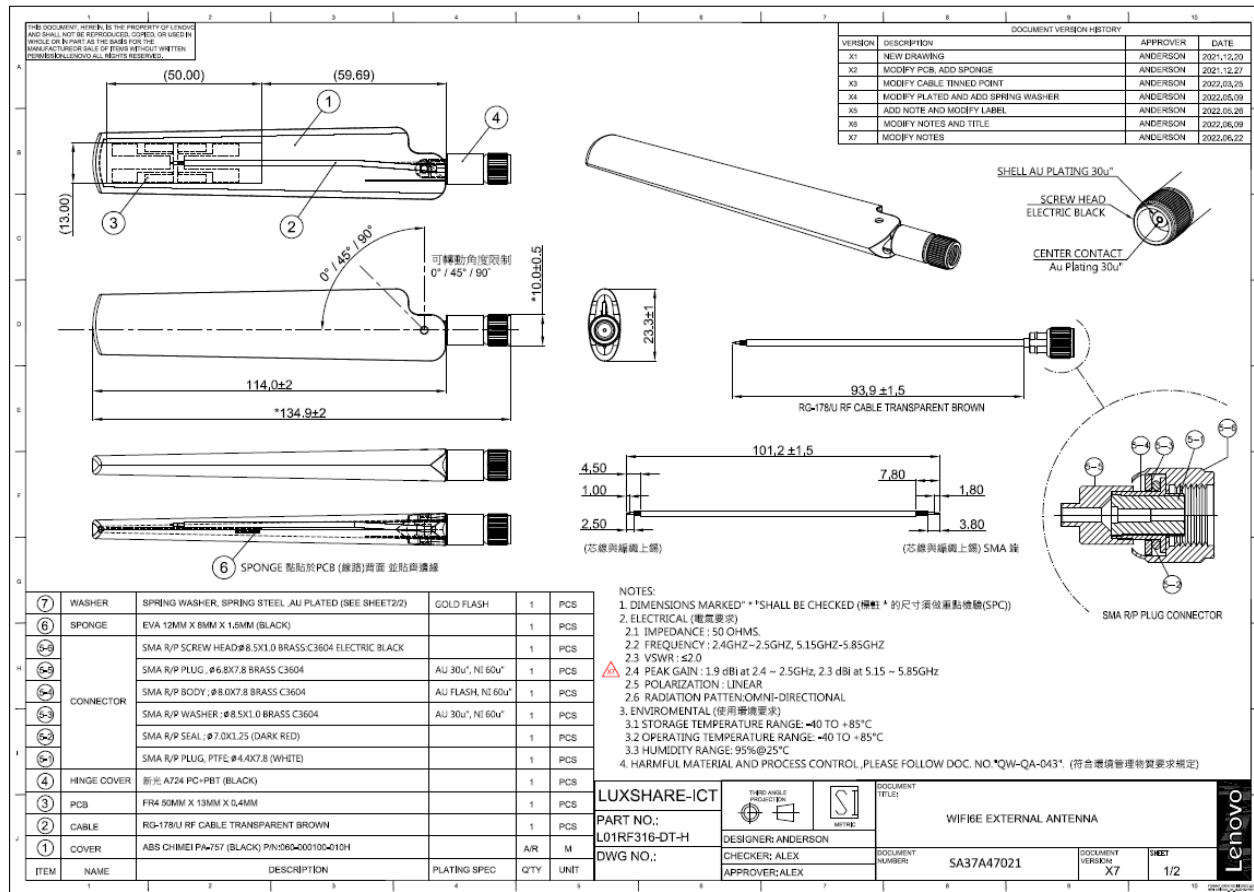
2. Technical Specifications

Peak GAIN Specification (Cable Color Gray)	2.4GHz Band GAIN(dBi) MAX	5GHz Band GAIN(dBi) MAX
Antenna without RF CABLE L01RF316-DT-H	2.8	2.6
Antenna with 450mm RF CABLE L01RF316-DT-H+L01RF108-DT-R	1.7	0.7

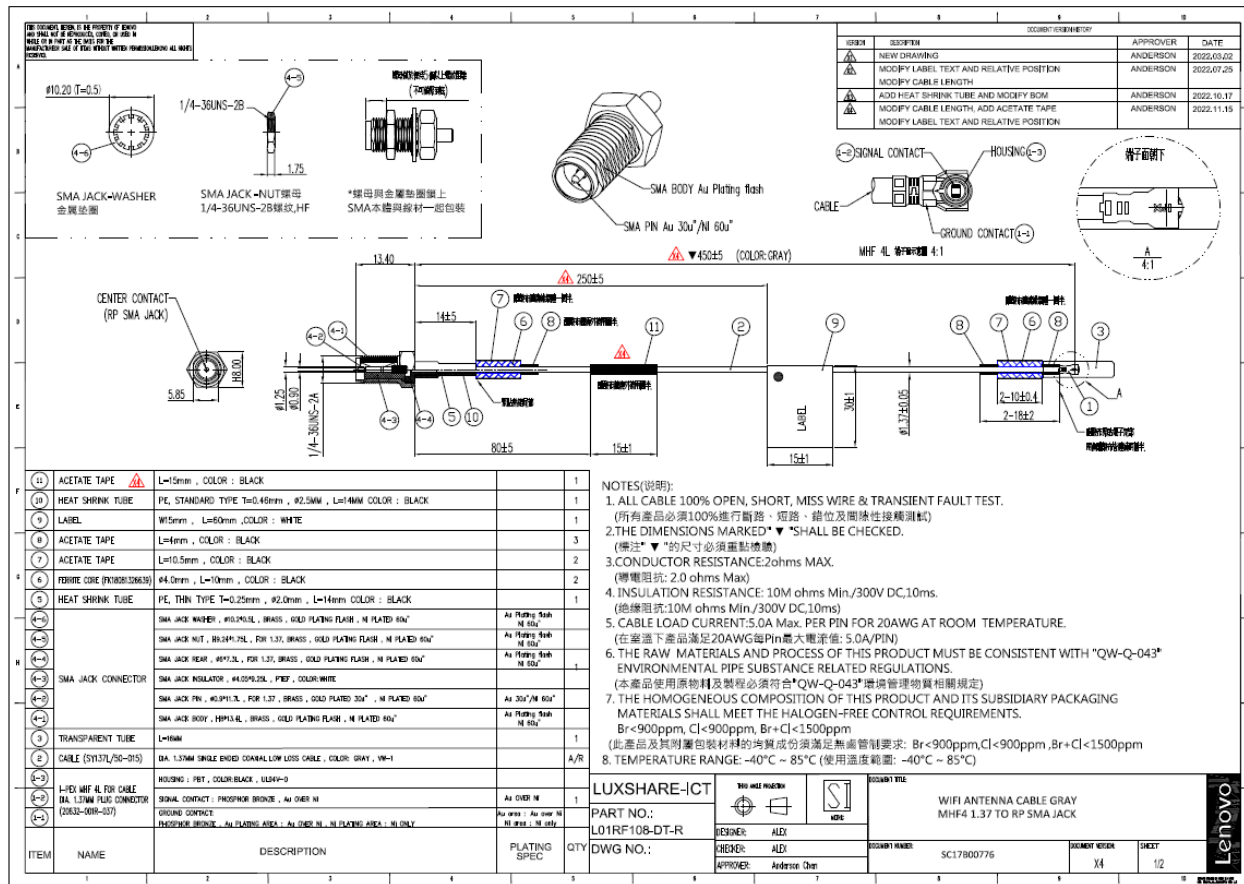
2. Technical Specifications

Peak GAIN Specification (Cable Color White)	2.4GHz Band GAIN(dBi) MAX	5GHz Band GAIN(dBi) MAX
Antenna without RF CABLE L01RF316-DT-H	2.8	2.6
Antenna with 470mm RF CABLE L01RF316-DT-H+L01RF107-DT-R	1.6	0.6

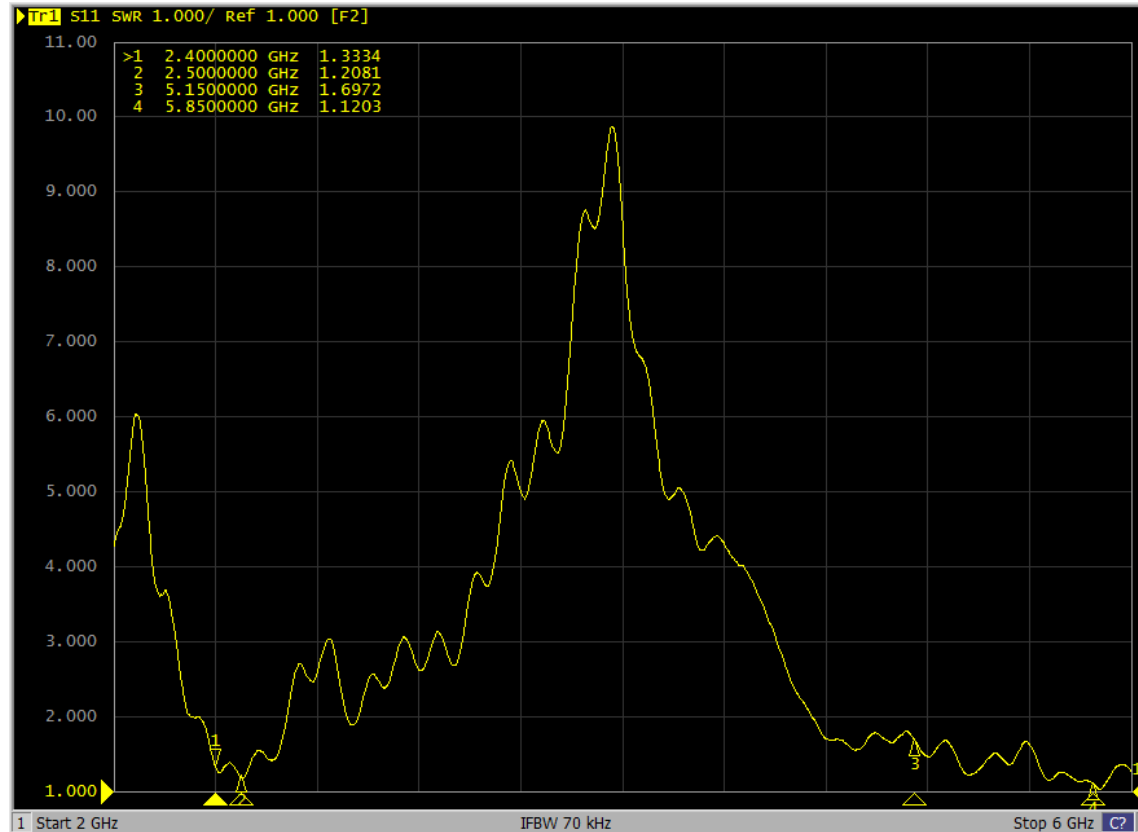
3. Assembly Drawing



3. Assembly Drawing

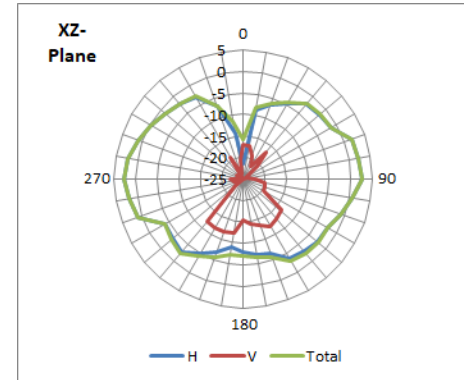
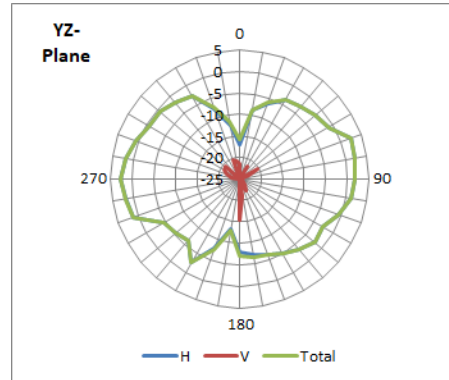
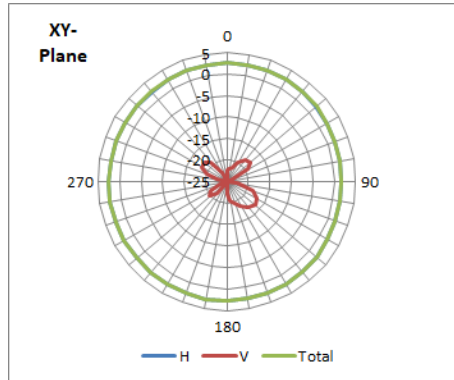


4. Performance Data : S.W.R (Without RF Cable)

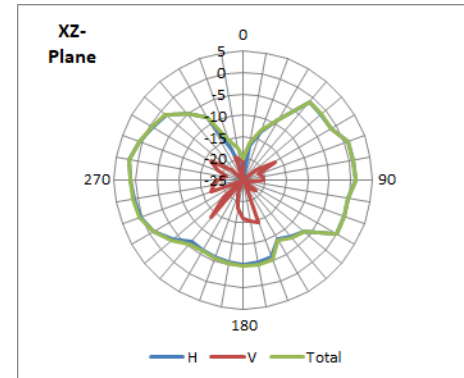
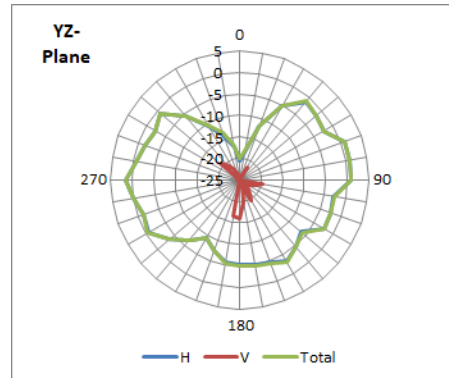
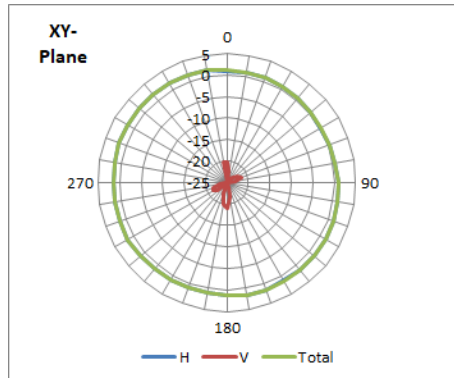


4. Performance Data : Pattern (Without RF Cable)

2450 MHz

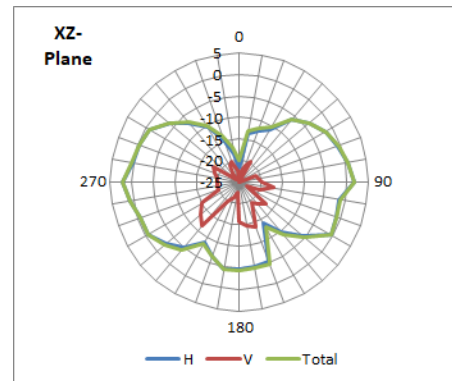
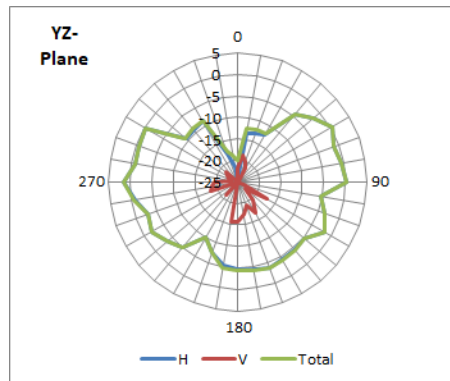
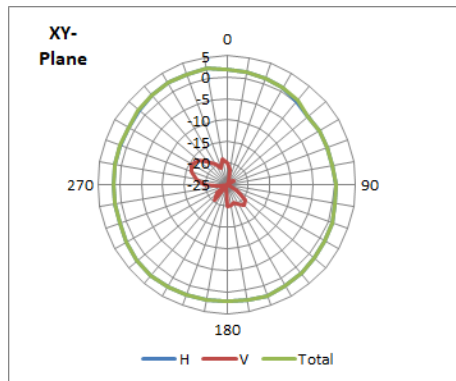


5150 MHz



4. Performance Data : Pattern (Without RF Cable)

5350 MHz



5850 MHz

