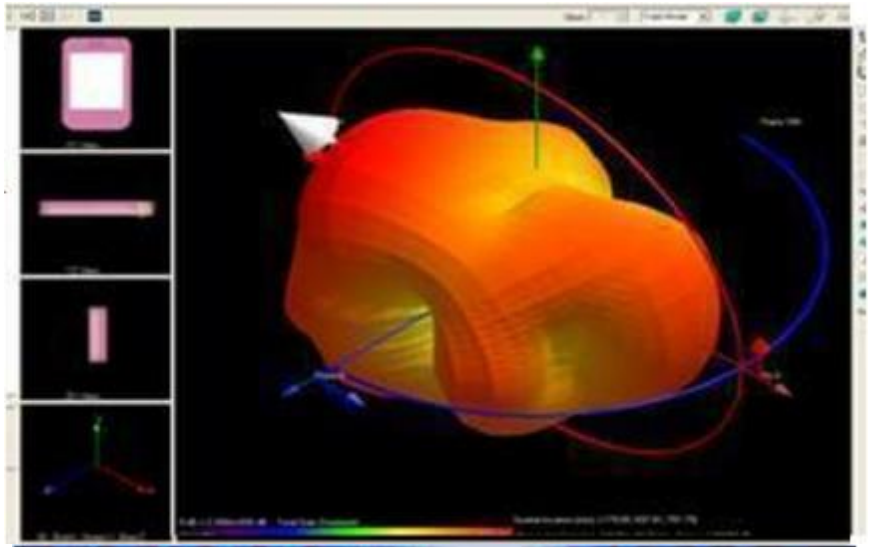
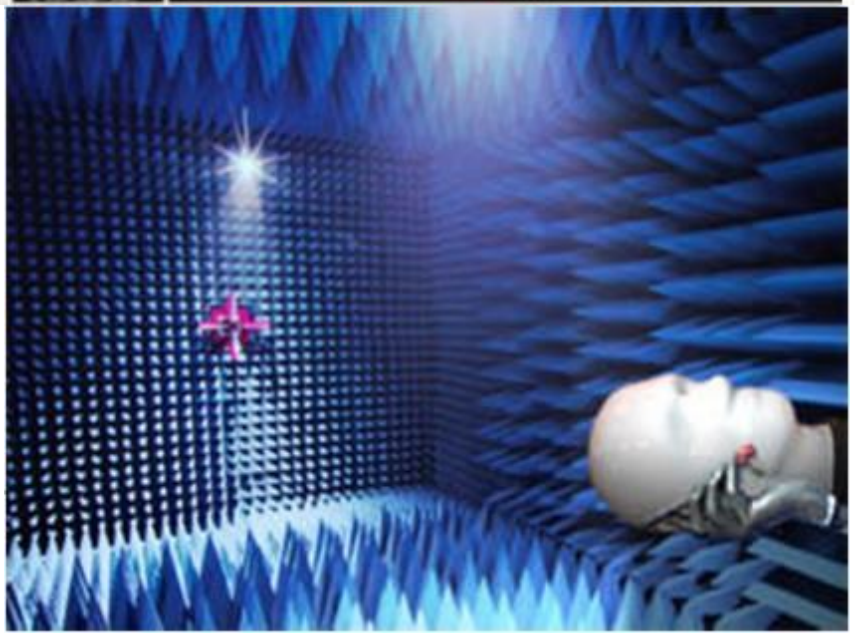
AWAN- 6G Dipole Antenna





AWAN S/N: A8E8P-100000
Customer S/N: 7102A0546000

Contents

- Antenna proposal and specification
- Antenna Placement
- Measurement data

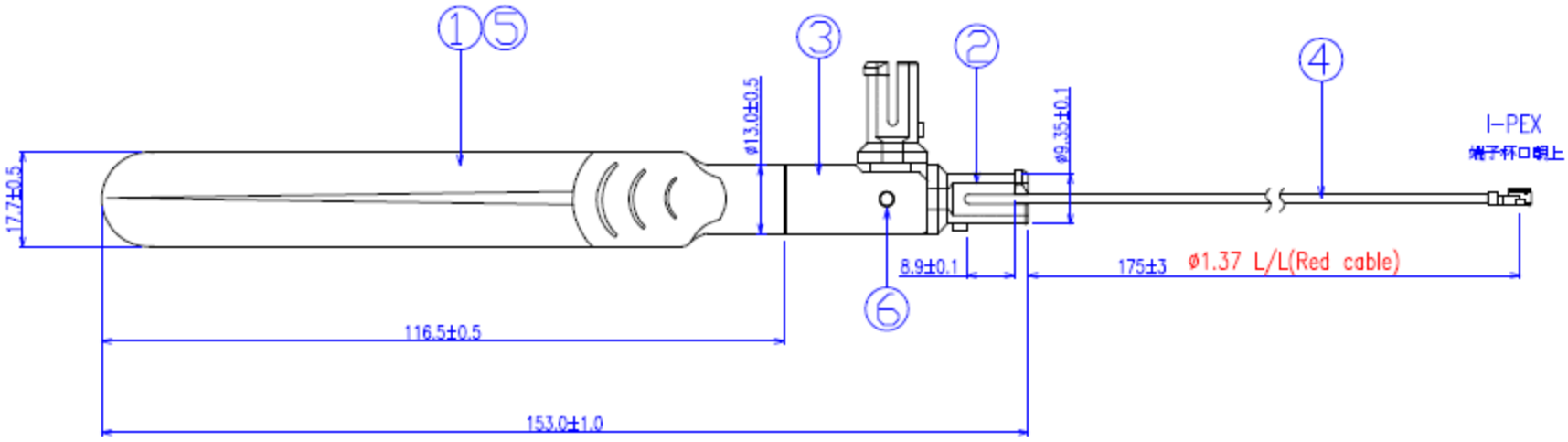
Contents

- Antenna proposal and specification
- Antenna Placement
- Measurement data

Antenna proposal and specification

Antenna Proposal	
Antenna type	• Dipole array
Frequency	5900 ~ 7125 MHz
Impedance	50 Ohm Nominal
VSWR	< 2
Gain	5.9G ~ 7.125G @ 5dBi ±0.5dBi
Efficiency	5.9G ~ 7.125G @ 60~70%
Polarization	Linear
Physical Properties	
Operating Temp	-40 ~ +80 ˚C
Cable Type	OD 1.37 L/L
Connector	MHF一代端子

Drawing


①⑤
③
②
④
ø13.0±0.5
ø9.35±0.1
I-PEX
17.7±0.5
8.9±0.1
175±3
ø1.37 L/L(Red cable)
⑥
116.5±0.5
153.0±1.0

Contents

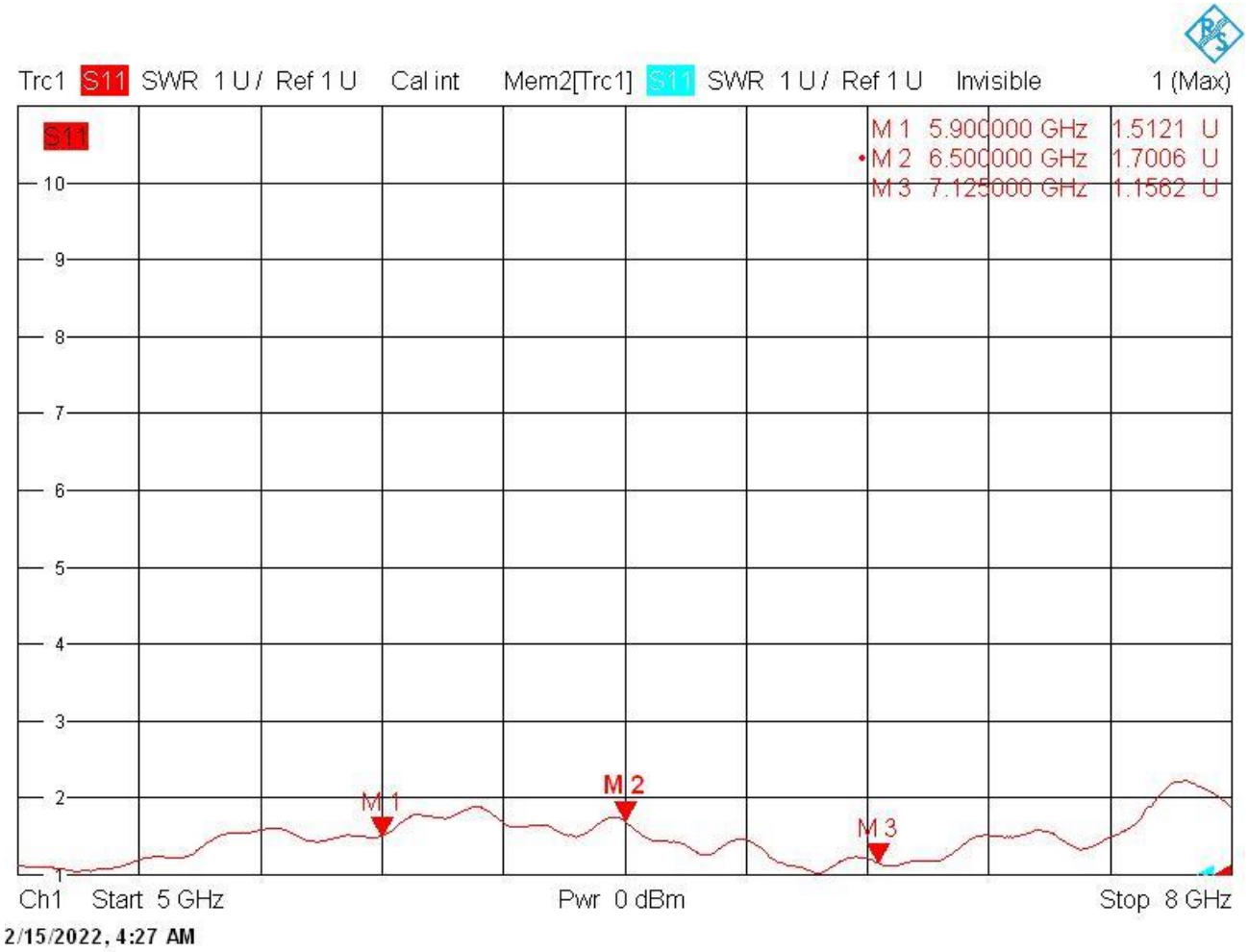
- Antenna proposal and specification
- Antenna Placement
- Measurement data

Contents

- Antenna proposal and specification
- Antenna Placement
- Measurement data
  - VSWR
  - Radiation pattern
  - Gain table

Measurement data

VSWR

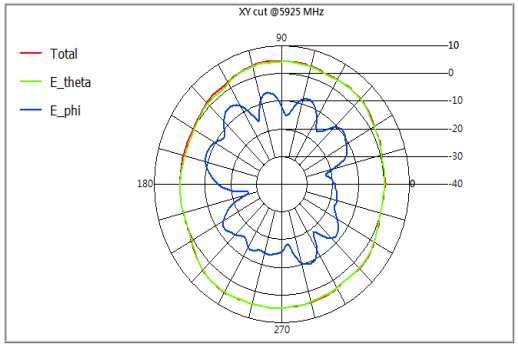


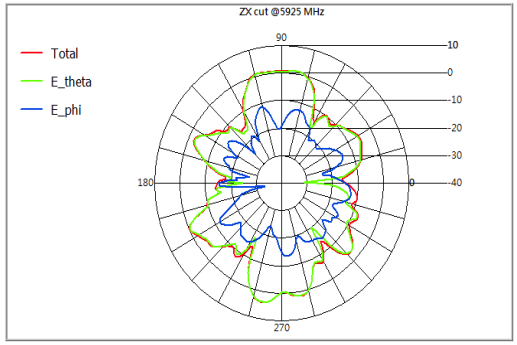
Contents

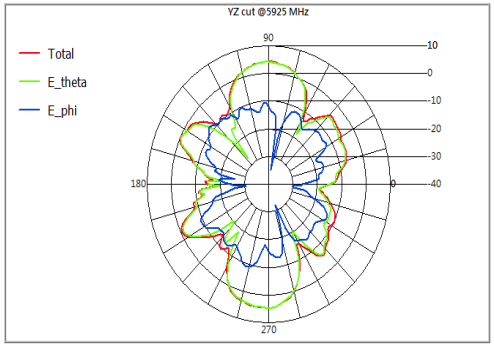
- Antenna proposal and specification
- Antenna Placement
- Measurement data
  - VSWR
  - Radiation pattern
  - Gain table

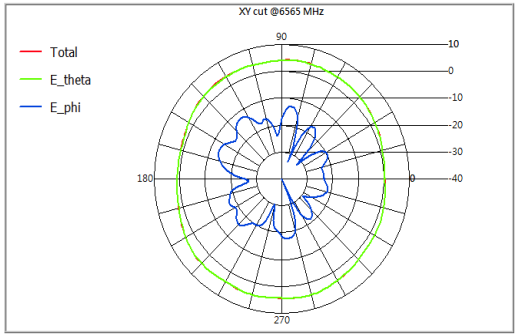
Measurement data

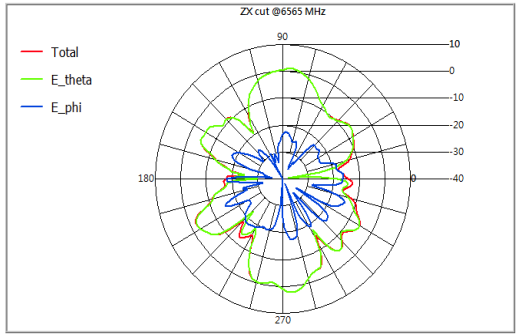
Radiation pattern 5.9G ~ 7.125G (2D)

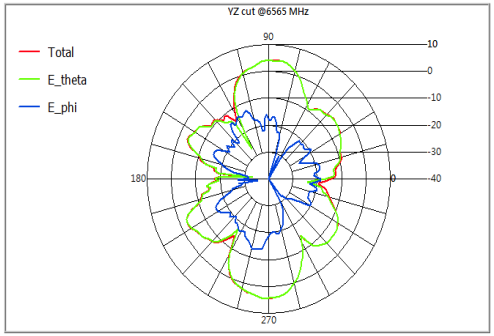


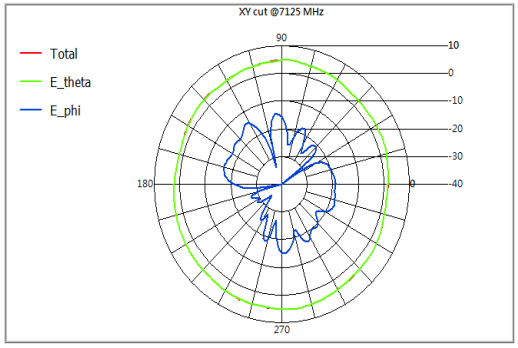


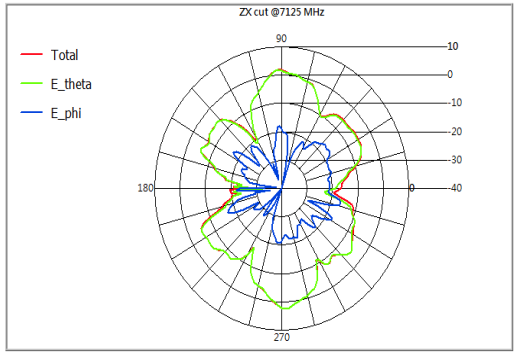


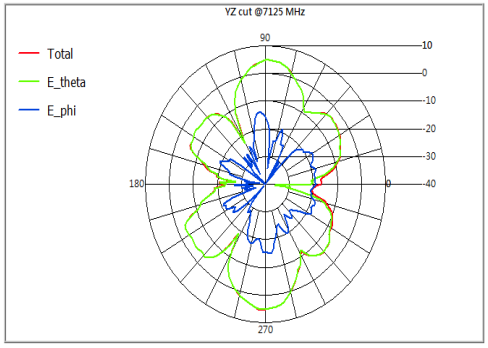






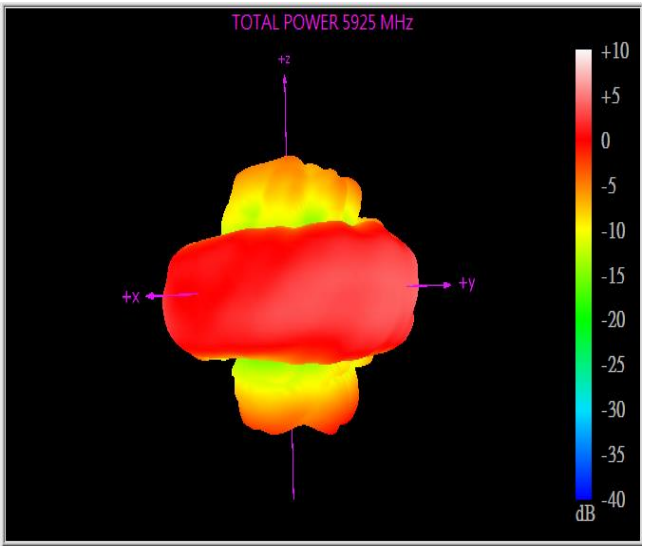


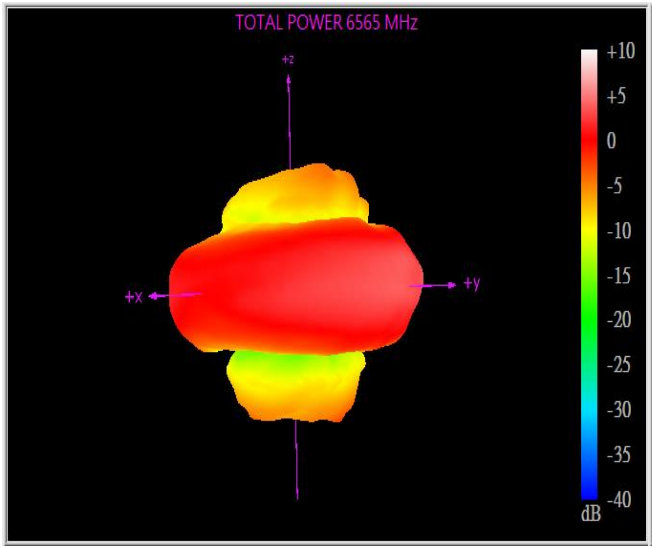


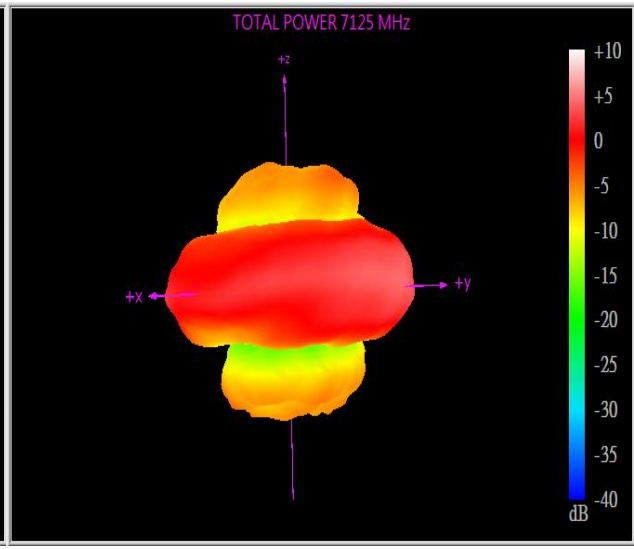


Measurement data

Radiation pattern 5.9G ~ 7.125G (3D)







Contents

- Antenna proposal and specification
- Antenna Placement
- Measurement data
  - VSWR
  - Radiation pattern
  - Gain table

Measurement data

Gain table

Frequency (MHz)	Peak Gain (dBi)	Efficiency (dB)	Efficiency (%)
5925	5.13	-1.50	70.78
6085	4.83	-1.77	66.56
6245	5.03	-2.12	61.32
6405	4.92	-1.96	63.63
6565	5.15	-1.70	67.64
6725	5.49	-1.51	70.61
6885	5.14	-1.83	65.55
7045	5.34	-1.96	63.72
7125	5.47	-2.07	62.04

Thanks for Your Time

To Grow and Succeed with AWAN !