



Report Name: OTA TEST REPORT

Test Tiem: OTA Antenna Perfomance Test

Test date 2025/7/21

P/N: 6602303081

Specifications: 2.4 / 5.8GHz - SMA(M/S/R)KL

Size: Hight 108mm

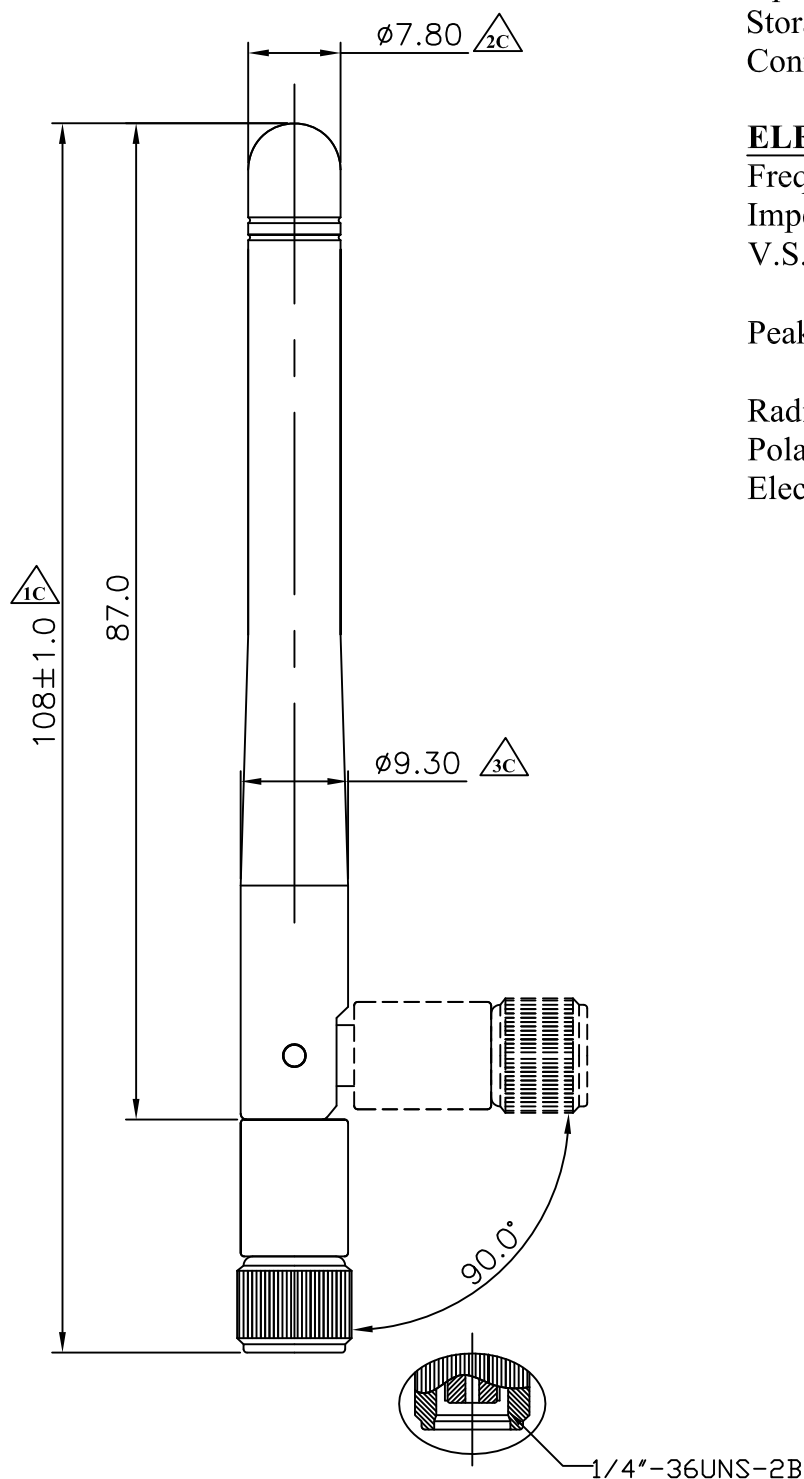
Manufacturer: KINLONG ELECTRONICS LIMITED

KINLONG ELECTRONICS LIMITED

Address: Industrial Area of Ren Min Village,
Lan He Town , NANSHA , Guangzhou City ,
Guangdong Province , China.

TEL: +86-020-34873291 FAX:+86-020-34872210

RoHS COMPLIANT



MECHANICAL

Antenna Cover : TPE.

Antenna Base : Engineering Plastics

Color : Black

Operation Temperature: -20°C ~ +65°C

Storage Temperature: -30°C ~ +75°C

Connector : SMA Plug Reverse

ELECTRICAL

Frequency : 2.4 / 5.8GHz

Impedance : 50 ohm

V.S.W.R : 2.4GHz ≤ 2.0

5.8GHz ≤ 2.0

Peak Gain: 2.4GHz ≤ 2.15dBi

5.8GHz ≤ 4.77dBi

Radiation : Omni

Polarization : Linear

Electrical wave : 1/4 λ , Dipole

設計DR.

Hayato

2025/07/23

核准APPD.

Marco

2025/07/23

容許公差

.XXX

.XX

.X

X

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TOLERANCE

±0.10

±0.25

±0.38

±0.50

±3°

品名

ARTICLE 2.4/5.8GHz - SMA (M/S/R)(K.L)

圖號

DWG NO. 6602303181

單位 UNIT

mm

比例 SCALE

1.5/1

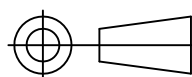
張數 SHEET

1/1

版本 REV.

A

 KINSUN

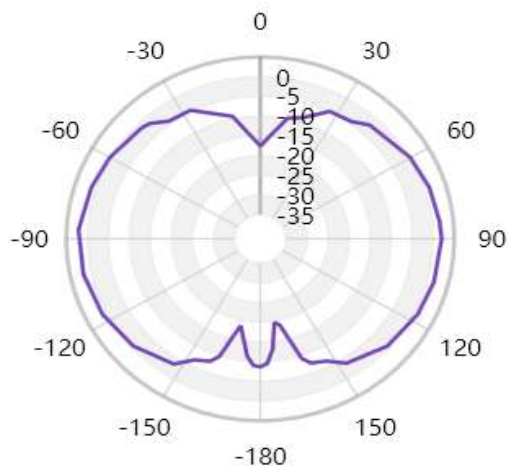


Brand / Model : 6602303181

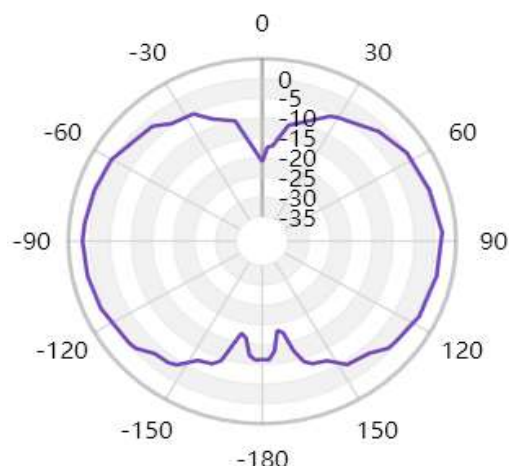
Remark : 2.4/5.8GHz (SGS OTA SATIMO Chamber)

2D Data

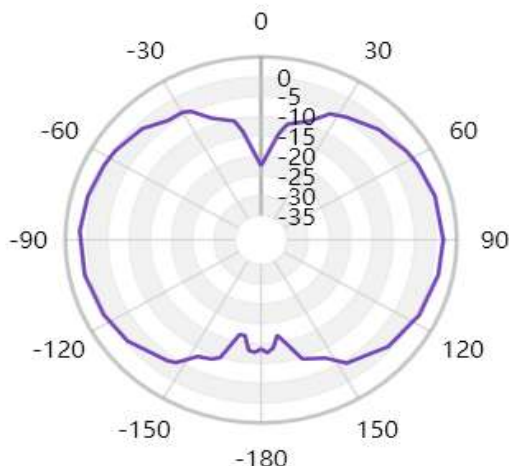
XY



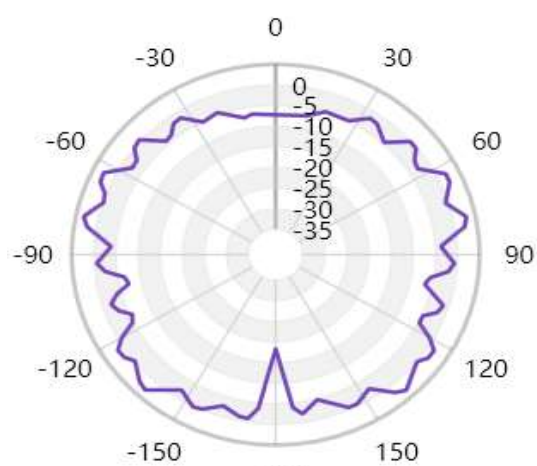
2.4GHz



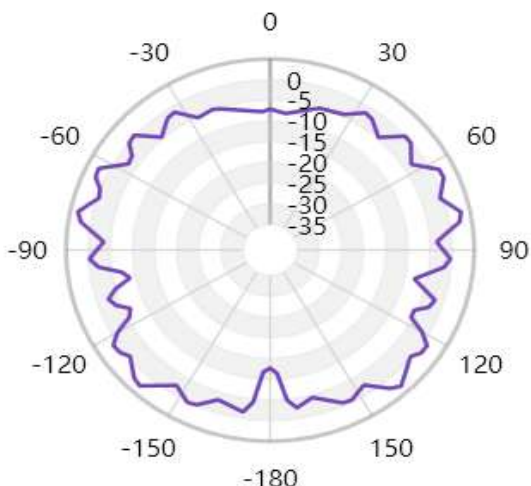
2.45GHz



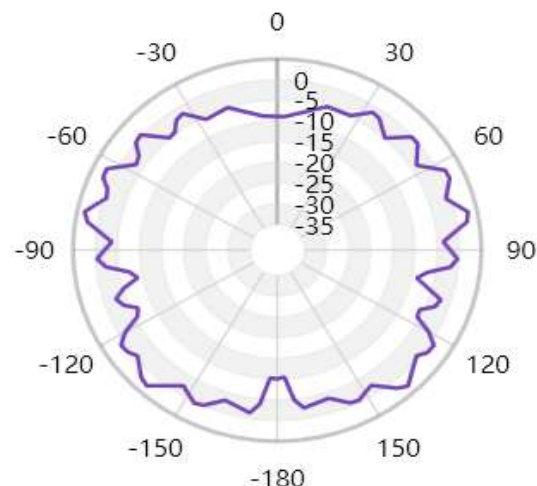
2.5GHz



5.725GHz

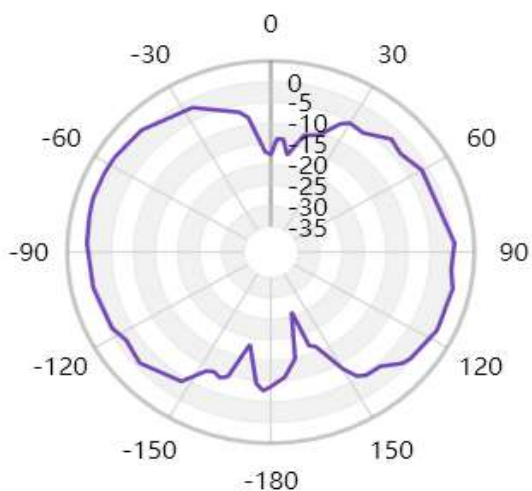


5.8GHz

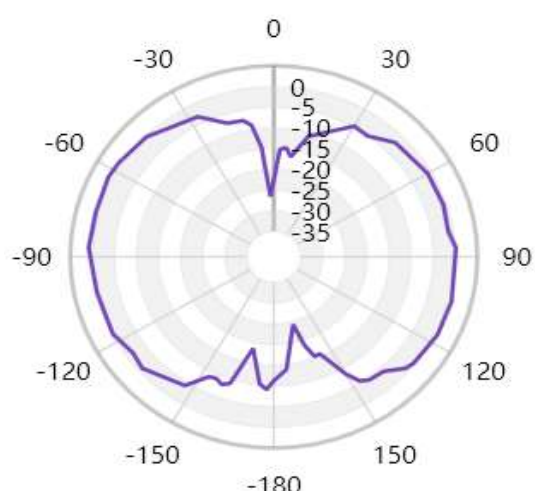


5.85GHz

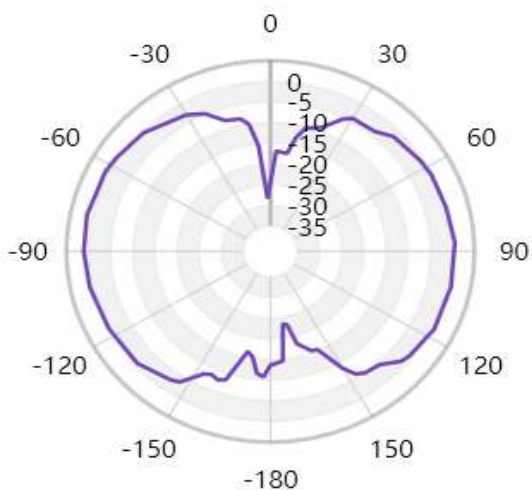
YZ



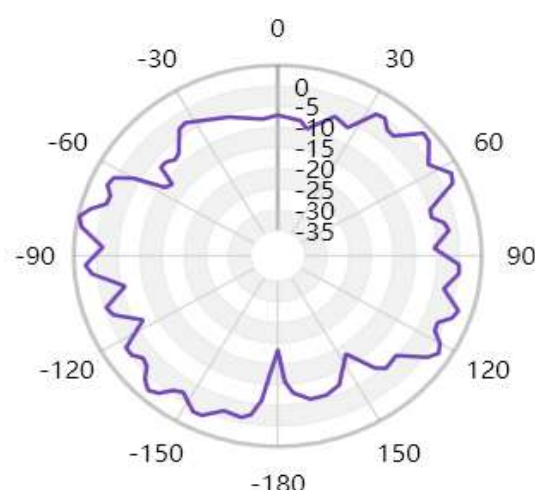
2.4GHz



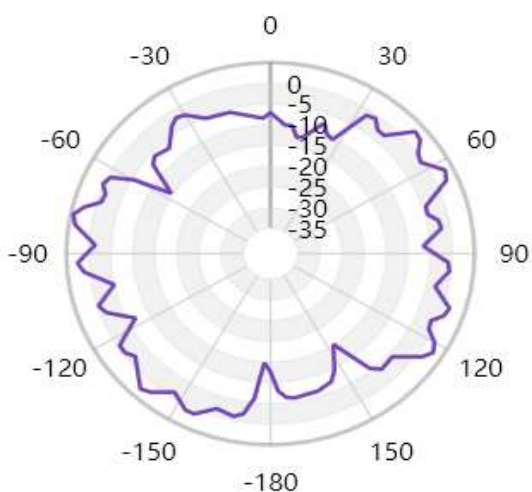
2.45GHz



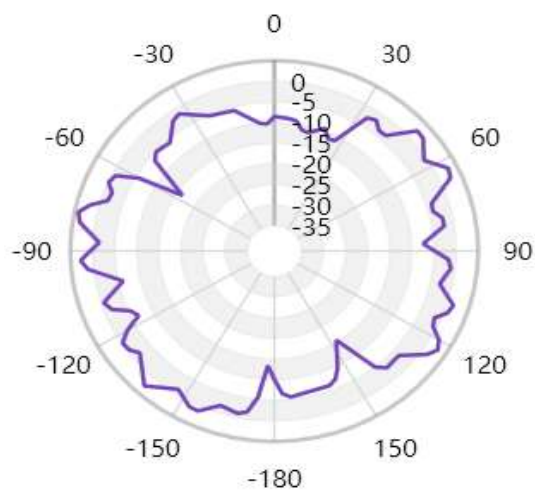
2.5GHz



5.725GHz

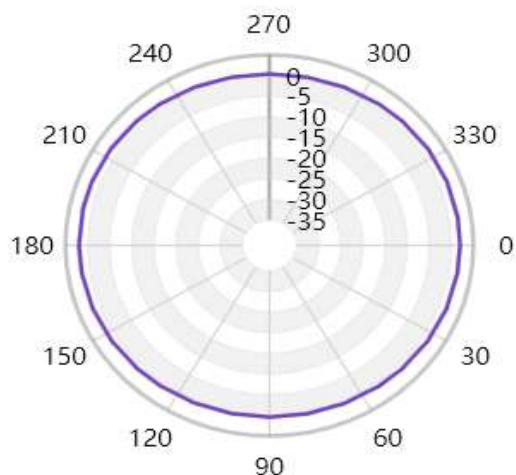


5.8GHz

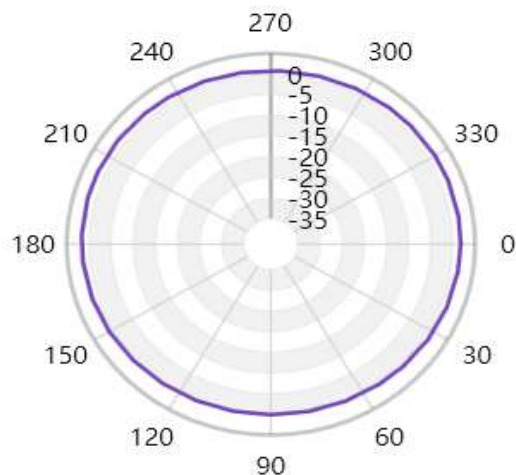


5.85GHz

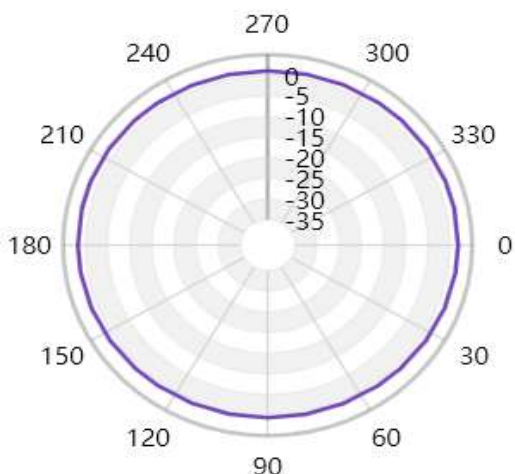
XY



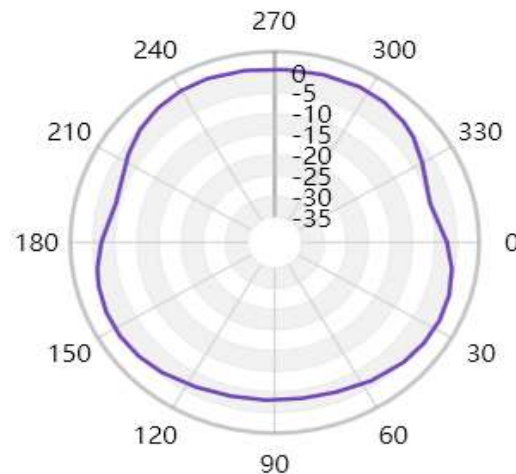
2.4GHz



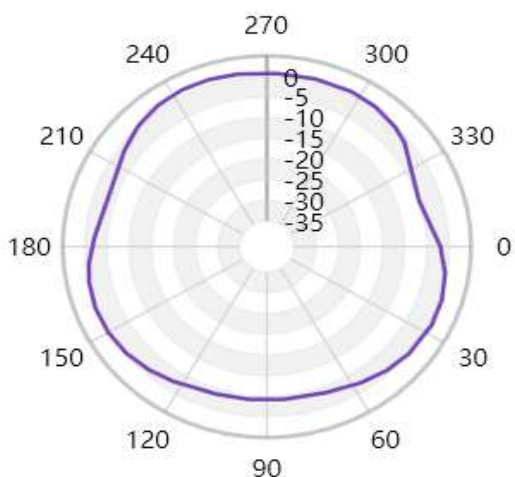
2.45GHz



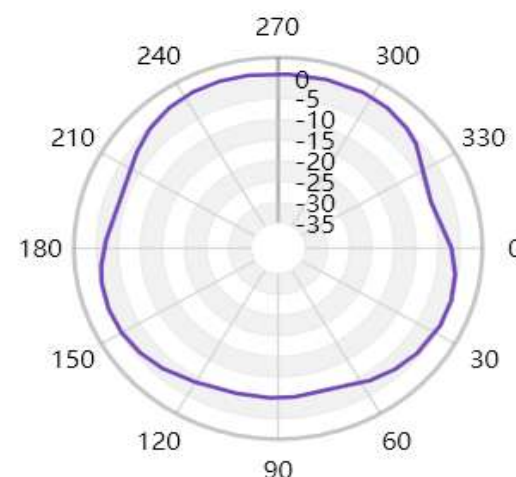
2.5GHz



5.725GHz

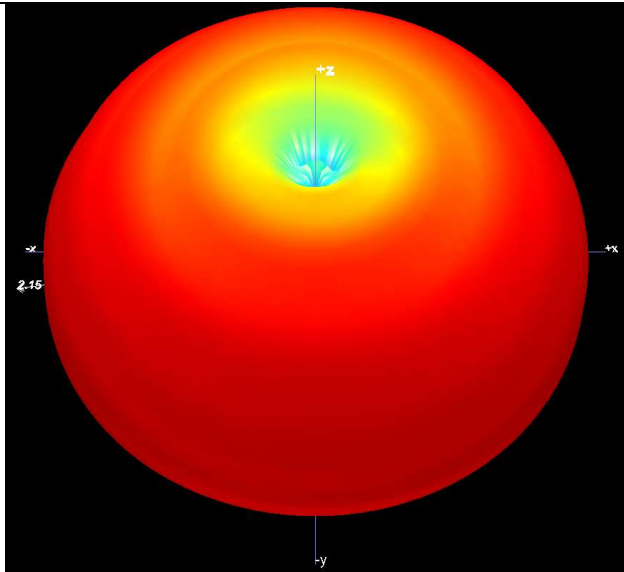


5.8GHz

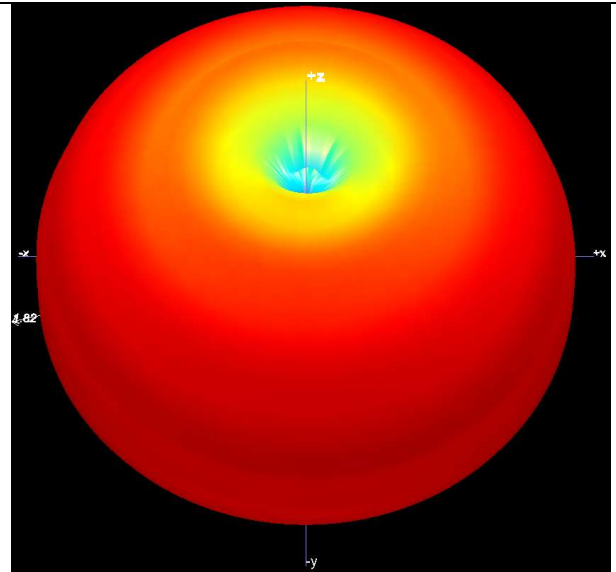


5.85GHz

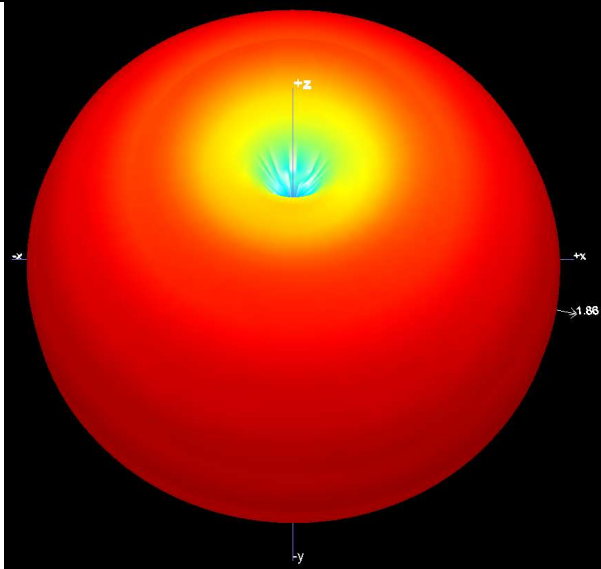
3D



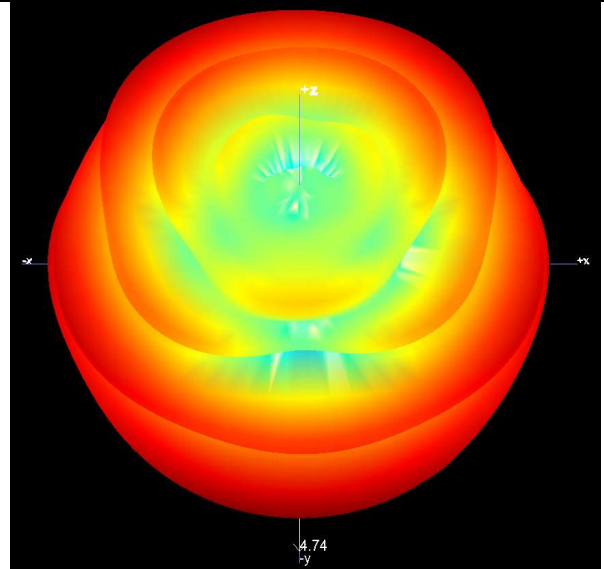
2.4GHz



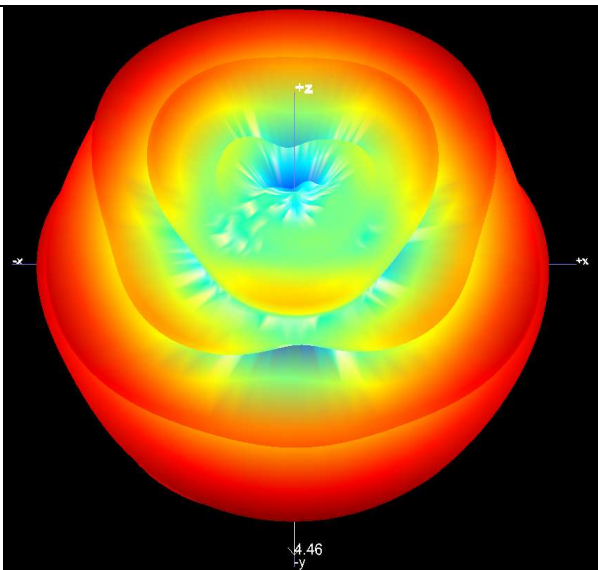
2.45GHz



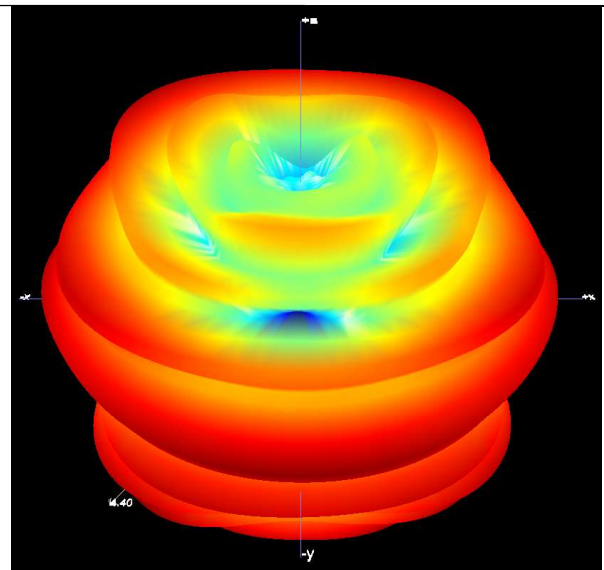
2.5GHz



5.725GHz



5.8GHz



5.85GHz

Product Photos



Test Data

Frequency (MHz)	Efficiency (%)	Average Gain (dBi)	Peak Gain (dBi)
2400	87.10%	-0.60	2.15
2410	89.13%	-0.50	2.10
2420	85.90%	-0.66	1.99
2430	83.18%	-0.80	1.79
2440	83.95%	-0.76	1.83
2450	83.37%	-0.79	1.82
2460	83.37%	-0.79	1.82
2470	86.10%	-0.65	1.96
2480	87.10%	-0.60	2.02
2490	85.70%	-0.67	1.88
2500	86.90%	-0.61	1.86
5725	90.16%	-0.45	4.74
5730	91.41%	-0.39	4.77
5735	92.04%	-0.36	4.71
5740	90.99%	-0.41	4.60
5745	90.78%	-0.42	4.60
5750	92.26%	-0.35	4.63
5755	91.41%	-0.39	4.58

5760	90.78%	-0.42	4.57
5765	89.74%	-0.47	4.55
5770	89.54%	-0.48	4.51
5775	89.33%	-0.49	4.60
5780	88.10%	-0.55	4.52
5785	88.72%	-0.52	4.57
5790	89.95%	-0.46	4.62
5795	89.13%	-0.50	4.49
5800	88.31%	-0.54	4.46
5805	88.10%	-0.55	4.42
5810	88.31%	-0.54	4.41
5815	88.10%	-0.55	4.41
5820	87.90%	-0.56	4.39
5825	87.70%	-0.57	4.40
5830	88.72%	-0.52	4.44
5835	88.31%	-0.54	4.41
5840	86.70%	-0.62	4.36
5845	87.10%	-0.60	4.43
5850	86.70%	-0.62	4.40
5855	86.90%	-0.61	4.31
5860	86.90%	-0.61	4.28
5865	86.90%	-0.61	4.31
5870	87.70%	-0.57	4.35
5875	85.90%	-0.66	4.36

Return loss

