

Antenna Test Report

Manufacturer: 70mai

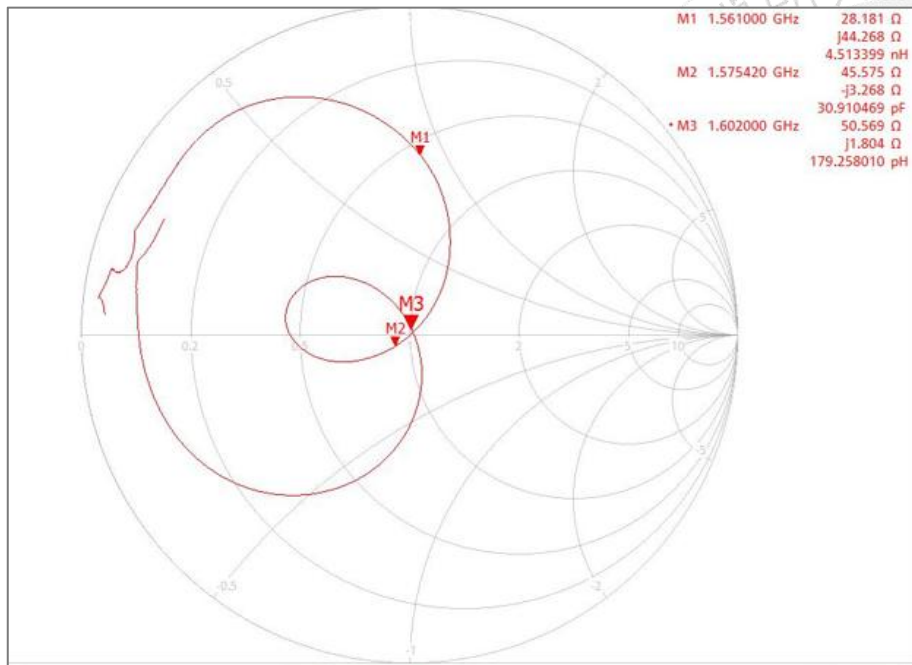
Model: DR2852

GNSS ANTENNA PLACEMENT & OVERVIEW



GNSS ANTENNA PASSIVE PERFORMANCE

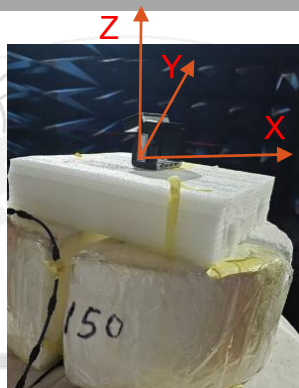
VSWR



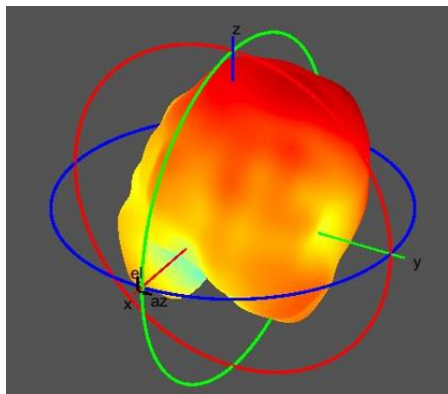
Peak Gain & Efficiency

Frequency (MHz)	Peak Gain(dB)	总效率(%)	上半球效率(%)	右旋效率(%)
1558	-0.72	31.16	18.57	17.80
1559	-0.43	33.07	19.66	18.94
1560	-0.14	35.07	20.81	20.13
1561	0.16	37.41	22.15	21.52
1562	0.44	39.66	23.43	22.88
1563	0.70	42.03	24.77	24.31
1564	0.96	44.49	26.16	25.82
1573	2.28	59.37	33.74	35.76
1574	2.27	59.17	33.48	35.80
1575	2.24	58.79	33.13	35.74
1575.42	2.23	58.69	32.84	35.82
1576	2.23	58.76	32.80	35.96
1577	2.20	58.77	32.66	36.16
1578	2.16	58.63	32.42	36.26
1599	1.66	55.94	25.99	36.96
1600	1.58	55.54	25.73	36.44
1601	1.45	54.83	25.38	35.65
1602	1.36	54.00	25.04	34.71
1603	1.28	53.05	24.69	33.64
1604	1.15	51.68	24.19	32.27
1605	0.93	49.75	23.47	30.55

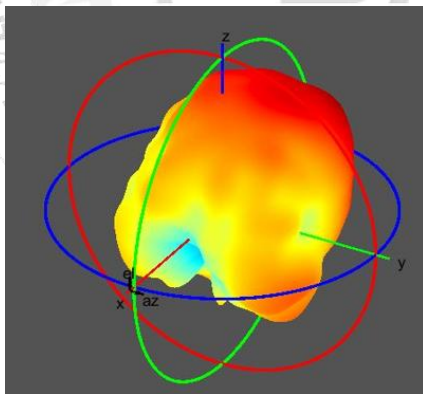
Radiation pattern



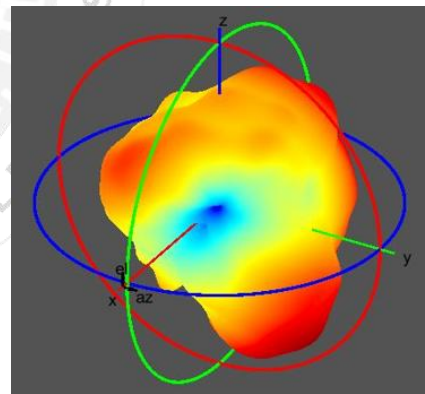
@1561MHz



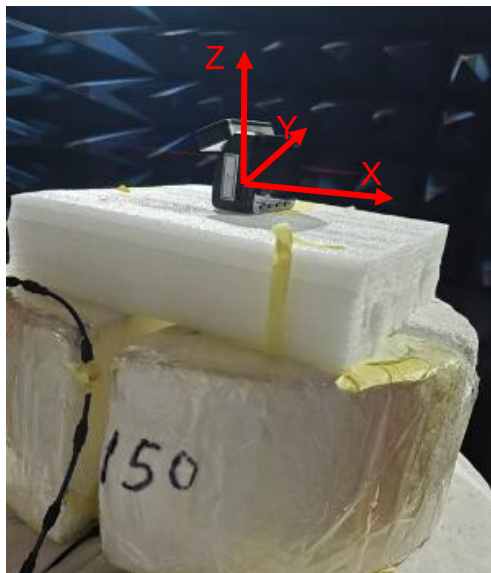
@1575.42MHz



@1602MHz



testing environment



state	original (dBm)	Add rear camera (dBm)
Tis	-156.54	-156.56

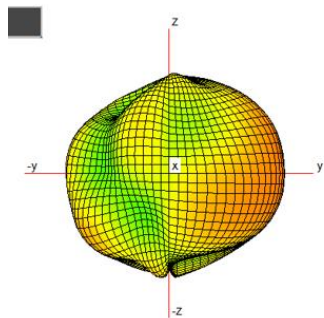
WIFI ANTENNA PASSIVE PERFORMANCE

Peak Gain & Efficiency

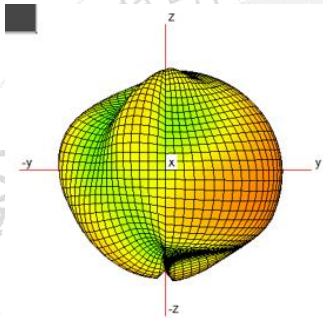
Frequency (MHz)	Peak Gain(dB)	Efficiency(%)
2400	-0.53	33.00
2450	-0.34	37.00
2500	-0.95	42.00
5150	0.86	28.00
5450	-1.51	24.82
5850	1.12	24.00

WIFI ANTENNA PASSIVE PERFORMANCE

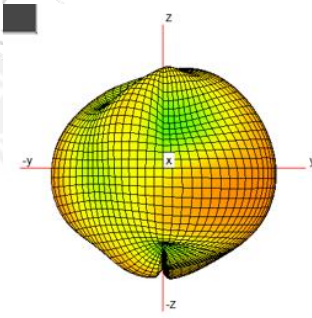
Radiation pattern
@2400MHz



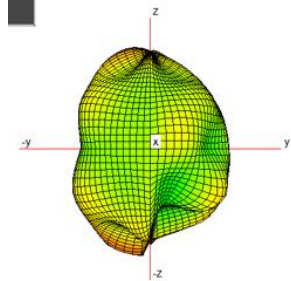
@2450MHz



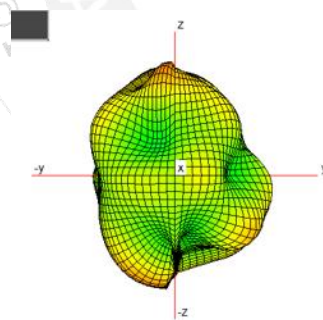
@2500MHz



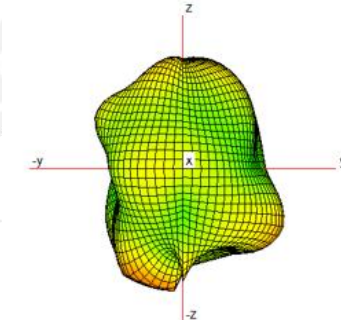
@5150MHz



@5450MHz



@5850MHz

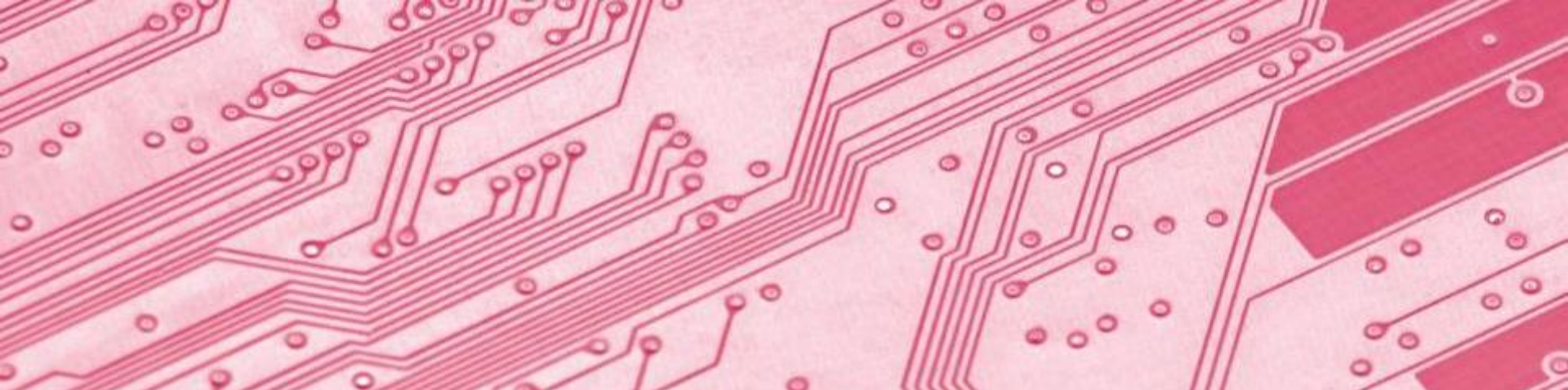


- Passive test data

Frequency (MHz)	Peak Gain(dB)	overall efficiency(%)	Upper hemisphere efficiency(%)	Dextrorotation efficiency(%)
1561	0.16	37.41	22.15	21.52
1575.42	2.23	58.69	32.84	35.82
1602	1.36	54.00	25.04	34.71

- OTA testing

state	original (dBm)	Add rear camera (dBm)
Tis	-156.54	-156.56



Title for Image (above image could be replaced)

Content Details

PASSIVE SYSTEM ALLIANCE
INPAQ TECHNOLOGY CO., LTD.

Thank you

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