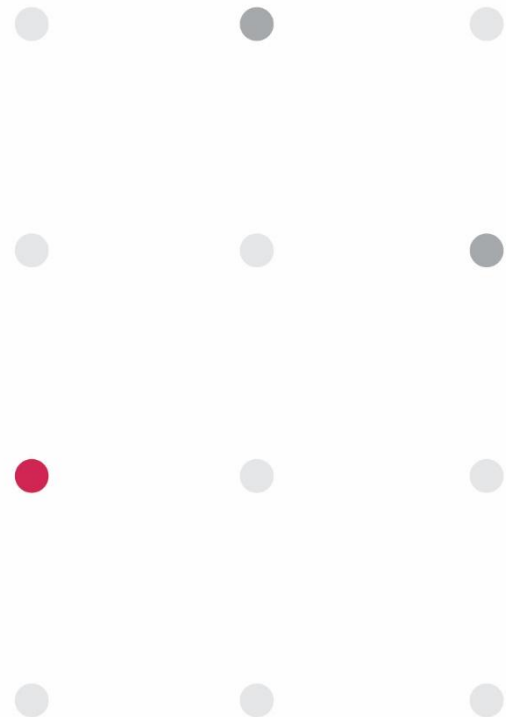


PSA

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70mai Co.,Ltd.

WE CONNECT & WE PROTECT WE ARE ONE



70ma i DR7800 Antenna Test Report

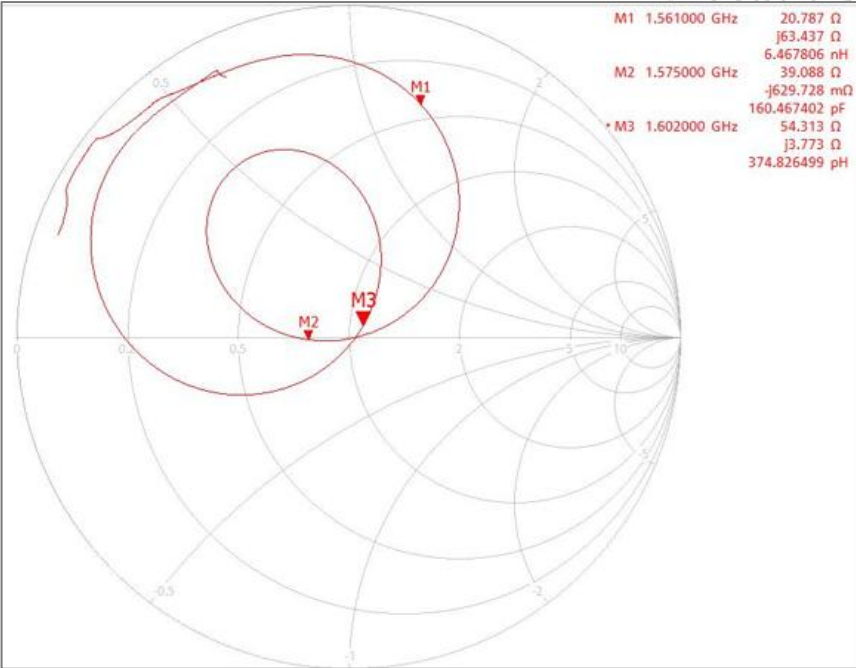
Presented by Li_Wang, R&D
Presenter's Name, Department

INPAQ Technology Co., Ltd.

Last updated in 10.10, 2026



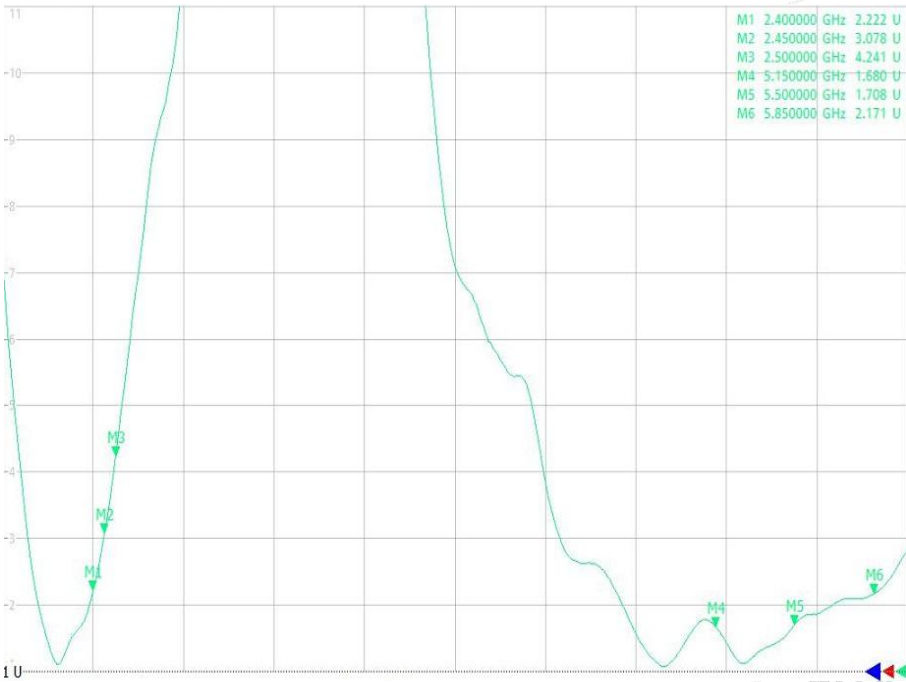
➤ GNSS



Peak Gain & Efficiency

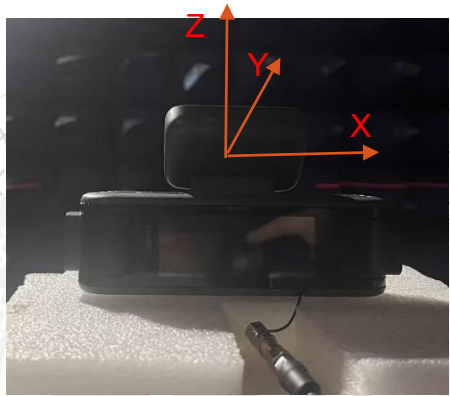
Frequency (MHz)	Peak Gain(dBic)	overall efficiency (%)	Upper hemisphere efficiency(%)	Dextrorotation efficiency(%)
1558	-3.40	18.28	12.67	11.63
1559	-2.99	19.53	13.37	12.26
1560	-2.59	20.90	14.15	12.97
1561	-2.17	22.41	15.00	13.75
1562	-1.76	24.08	15.94	14.62
1563	-1.39	26.00	16.99	15.64
1564	0.71	39.13	24.18	22.93
1573	1.40	51.88	34.12	30.32
1574	1.16	50.18	33.05	29.00
1575	0.85	47.92	31.62	27.43
1575.42	0.48	45.23	29.92	25.69
1576	0.06	42.26	28.05	23.85
1577	1.08	43.59	28.57	29.17
1578	1.24	45.75	29.97	30.15
1599	1.40	47.85	31.34	31.04
1600	1.55	49.81	32.61	31.80
1601	1.65	51.28	33.58	32.22
1602	1.70	52.39	34.31	32.40
1603	1.71	53.16	34.82	32.38
1604	1.67	53.37	34.97	32.04
1605	1.55	52.96	34.72	31.36

Wifi

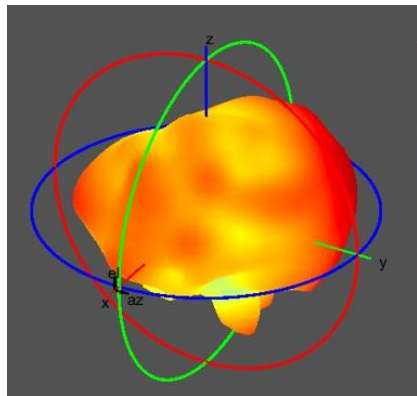


Frequency (MHz)	Peak Gain(dBi)	Efficiency(dB)	Efficiency(%)
2400	3.26	-3.33	46.48
2450	2.48	-4.09	38.97
2500	2.15	-4.87	32.61
5150	3.72	-3.99	39.90
5500	3.87	-3.56	44.04
5850	3.78	-3.50	44.69

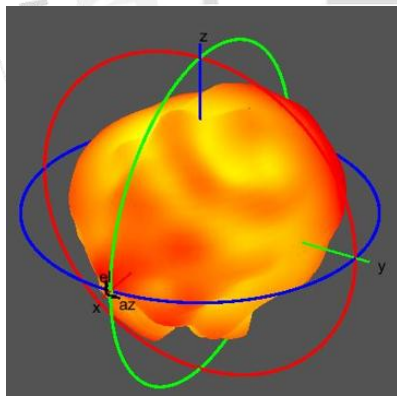
➤ GNSS



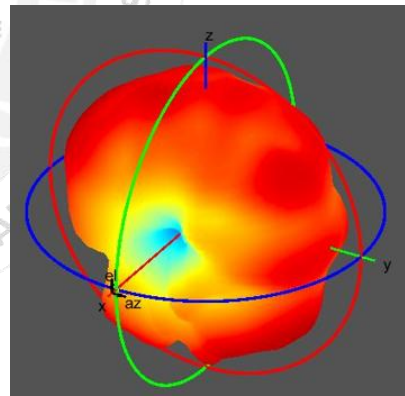
@1561MHz



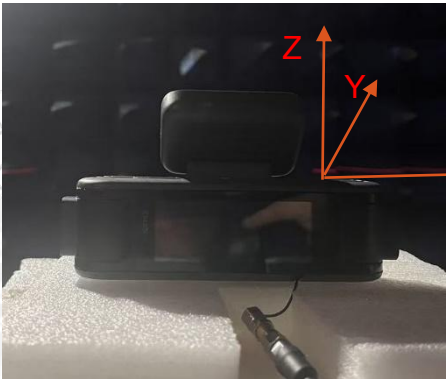
@1575.42MHz



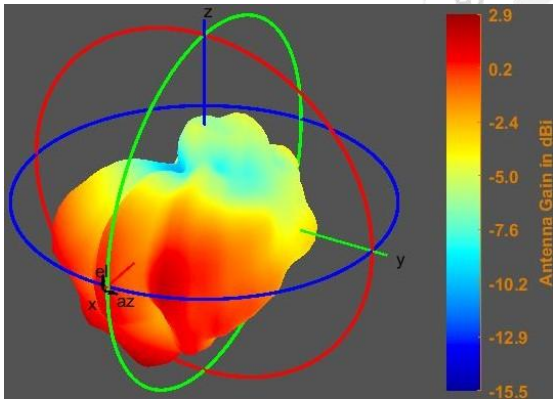
@1602MHz



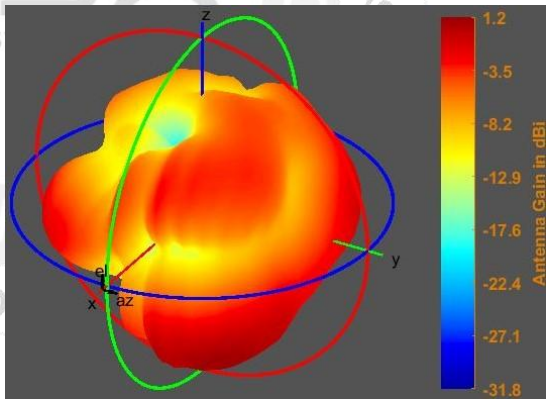
➤ Wifi



@2450MHz

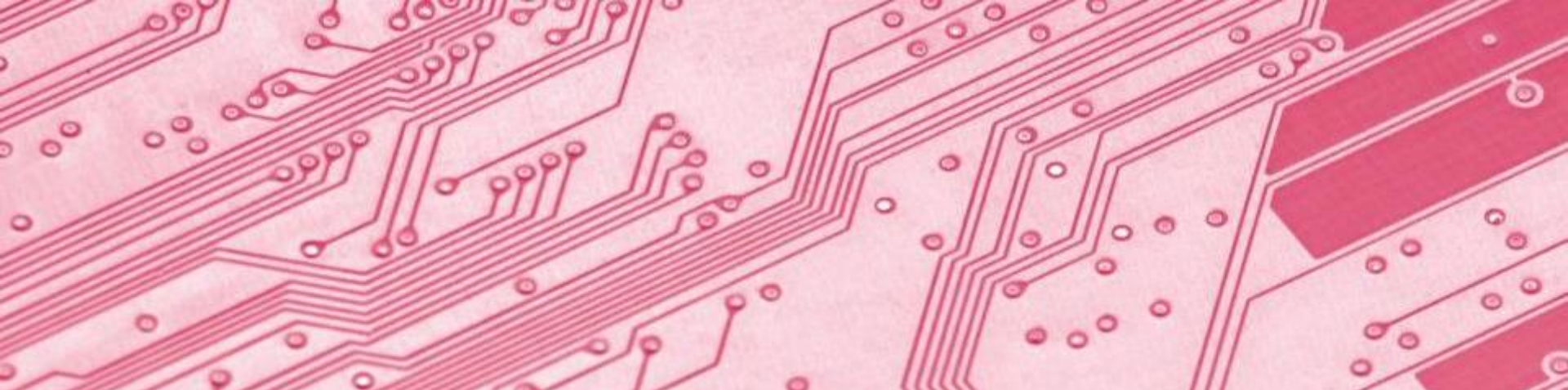


@5500MHz



- GNSS passive test data
- The average efficiency of low-frequency Wi-Fi is greater than 40%, and the average efficiency of high-frequency Wi-Fi is greater than 31%.

Frequency (MHz)	Peak Gain(dBic)	总效率(%)	上半球效率(%)	右旋效率(%)
1561	-2.17	22.41	15.00	13.75
1575.42	0.48	45.23	29.92	25.69
1602	1.70	52.39	34.31	32.40



Title for Image (above image could be replaced)

Content Details

PASSIVE SYSTEM ALLIANCE
INPAQ TECHNOLOGY CO., LTD.

Thank you

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