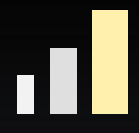


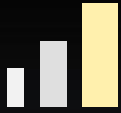
DE Antenna Test Report

Basic Specifications

Specification	Descriptions
Model Name	GNSS FL FR BL BR
Frequency	1561.098±2.045MHz&1575.42MHz±1.023MHz 2400~2483.5MHz&5150~5250MHz&5725~5850MHz
Connector Type	WELD&I-PEX
Gain	GNSS 1.36dBi@1561.098±2.045MHz/ 0.32dBi@1575.42MHz±1.023MHz FL 1.06dBi@2400~2483.5MHz/ 0.23dBi@5150~5350MHz/ 1.70dBi@5725~5850MHz FR 0.85dBi@2400~2483.5MHz/ 0.48dBi@5150~5350MHz/ 1.58dBi@5725~5850MHz BL 0.82dBi@2400~2483.5MHz/ 0.40dBi@5150~5350MHz/ 1.39dBi@5725~5850MHz BR 0.89dBi@2400~2483.5MHz/ 0.44dBi@5150~5350MHz/ 1.29dBi@5725~5850MHz



VSWR/S11



Gain

GNSS

Frequency (MHz)	1558	1559	1560	1561	1562	1563	1564	1573	1574	1575	1576	1577
Gain (dBi)	0.64	1.10	1.36	1.36	1.10	0.60	0.05	-0.51	0.11	0.32	0.25	-0.14
Polar RC. (dBi)	-1.00	-0.56	-0.31	-0.31	-0.57	-1.06	-1.58	-1.23	-0.65	-0.54	-0.69	-1.16



Gain

FL

Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	0.44	0.58	0.69	0.63	0.80	1.06	0.83	0.88	0.78	0.75	0.72

Frequency (MHz)	5150	5200	5250	5700	5750	5800	5850
Gain (dBi)	0.23	0.10	0.14	1.12	1.20	1.70	1.12



Gain

FR

Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	0.66	0.66	0.74	0.85	0.70	0.70	0.35	0.42	0.27	0.27	0.19

Frequency (MHz)	5150	5200	5250	5700	5750	5800	5850
Gain (dBi)	0.37	0.48	0.33	1.42	1.48	1.58	1.56



Gain

BL

Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	0.52	0.57	0.62	0.73	0.82	0.77	0.77	0.62	0.51	0.50	0.31

Frequency (MHz)	5150	5200	5250	5700	5750	5800	5850
Gain (dBi)	0.33	0.40	0.38	1.15	1.35	1.39	1.33



Gain

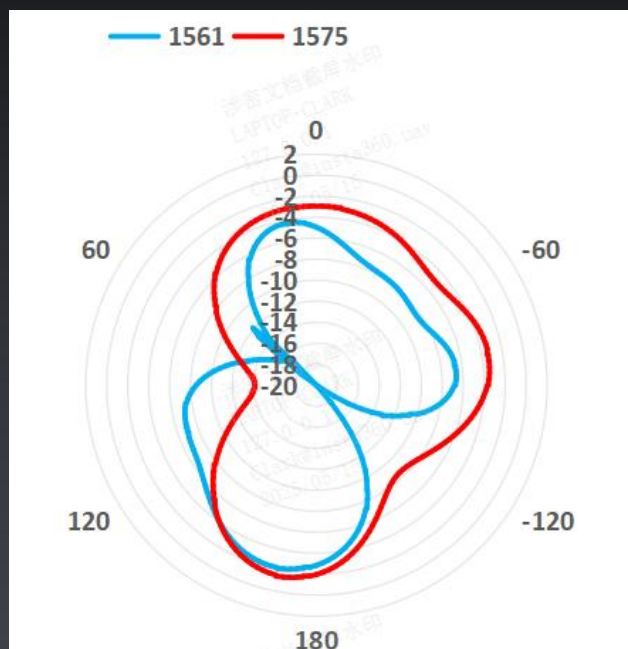
BR

Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	0.29	0.39	0.35	0.39	0.75	0.89	0.65	0.69	0.83	0.75	0.62

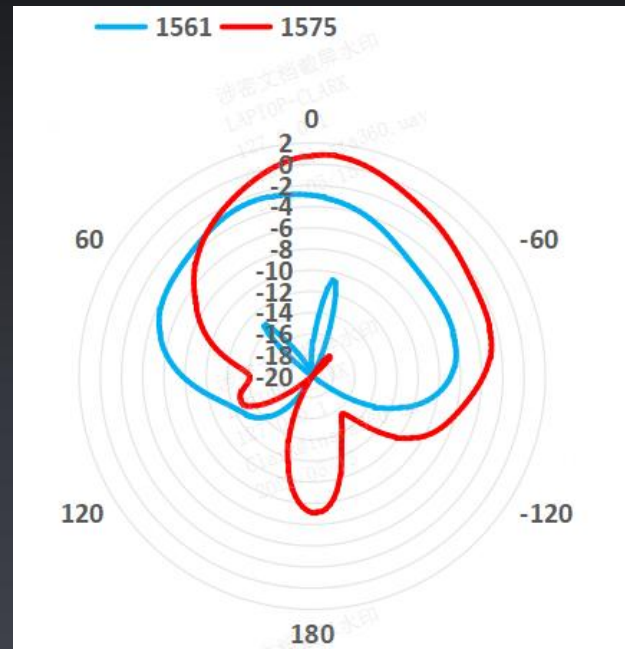
Frequency (MHz)	5150	5200	5250	5700	5750	5800	5850
Gain (dBi)	0.36	0.31	0.44	1.08	1.29	1.07	0.77

Radiation pattern

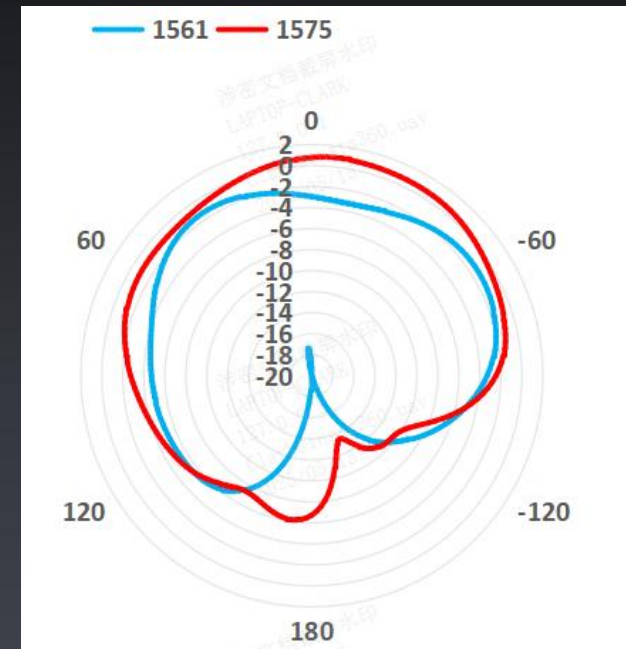
GNSS



Theta=90°
XOY面

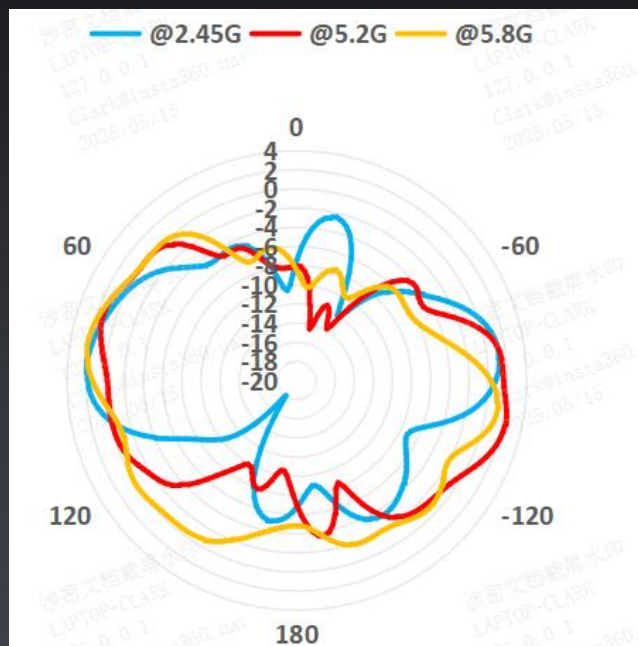


Phi=90°
YOZ面

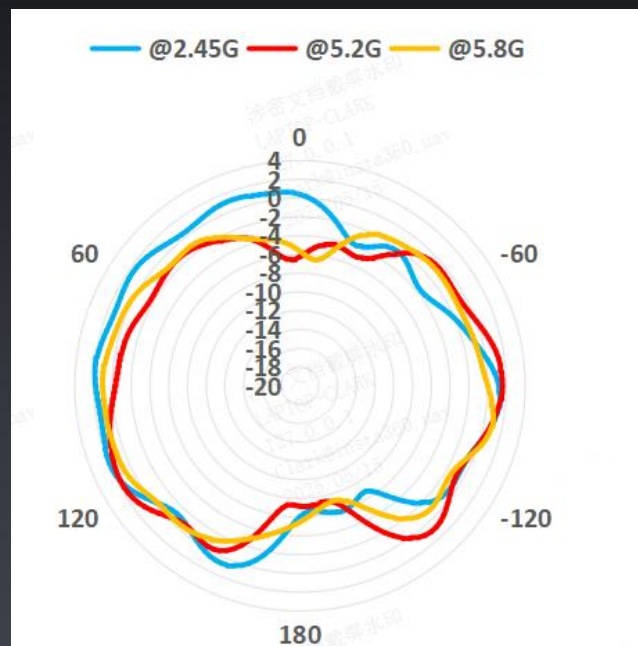


Phi=0°
XOZ面

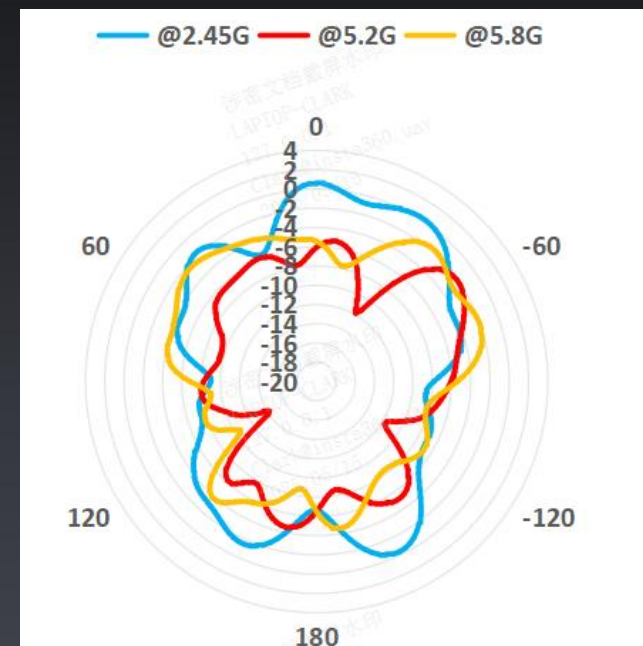
Radiation pattern FL



Theta=90°
XOY面



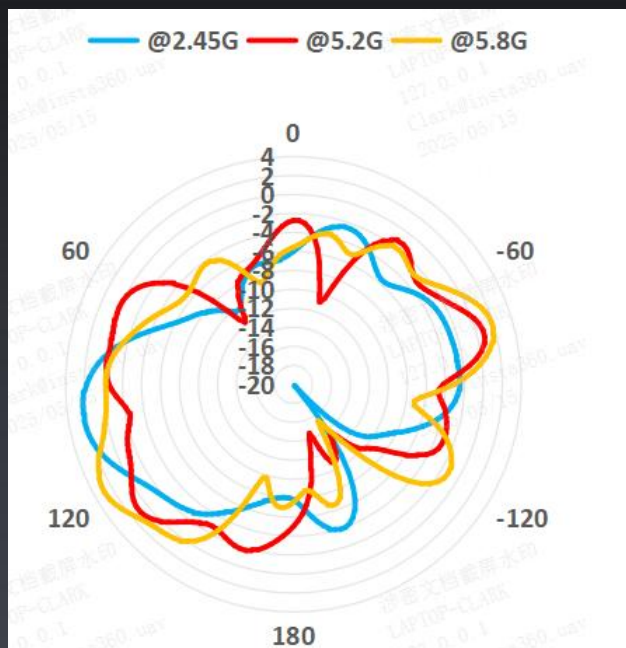
Phi=90°
YOZ面



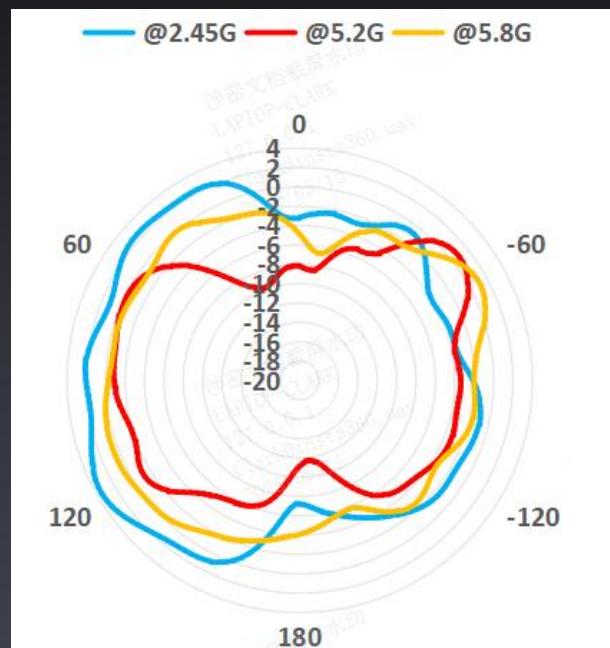
Phi=0°
XOZ面

Radiation pattern

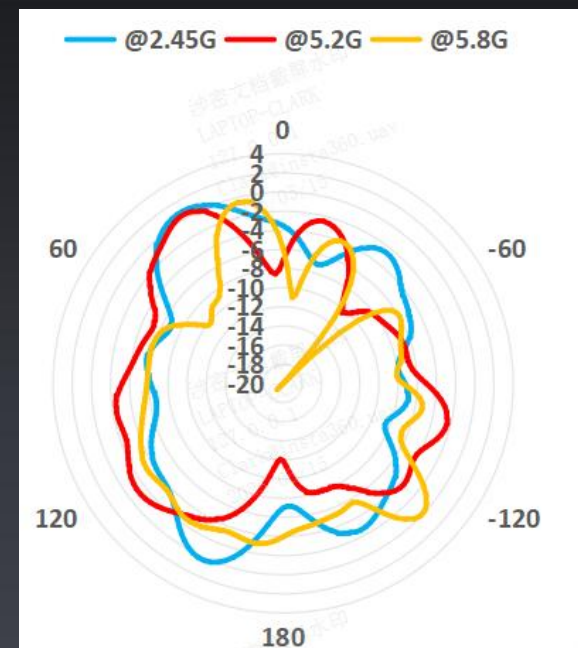
FR



Theta=90°
XOY面



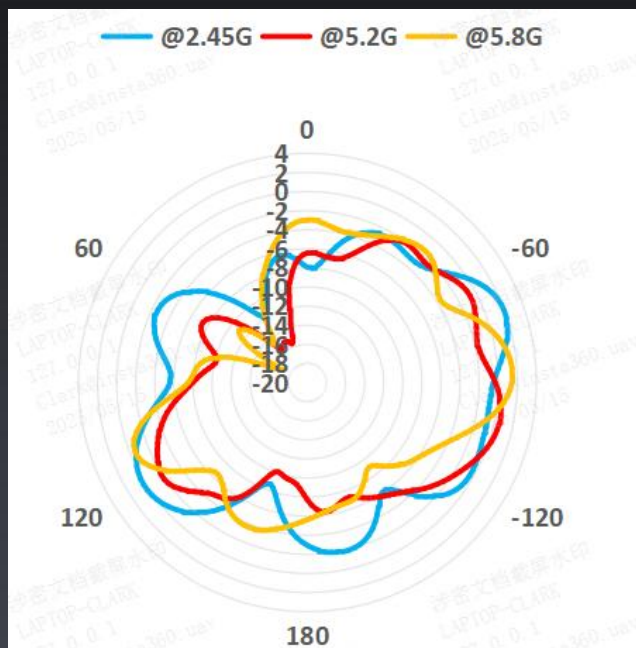
Phi=90°
YOZ面



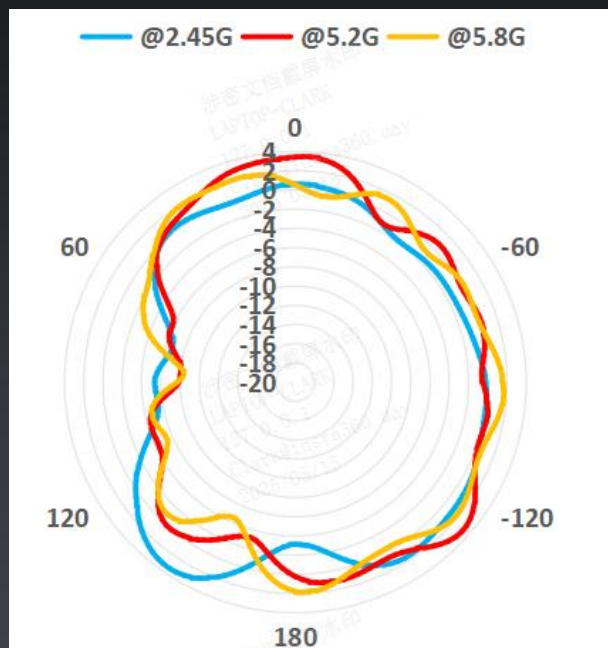
Phi=0°
XOZ面

Radiation pattern

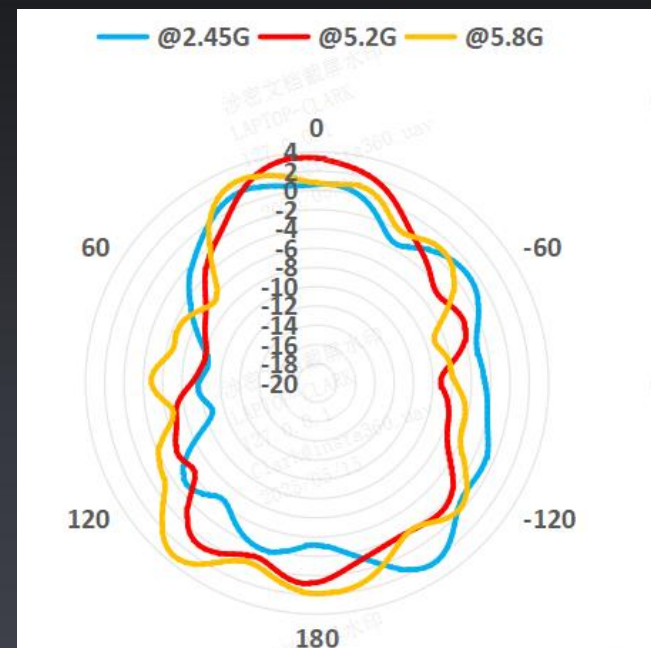
BL



Theta=90°
XOY面



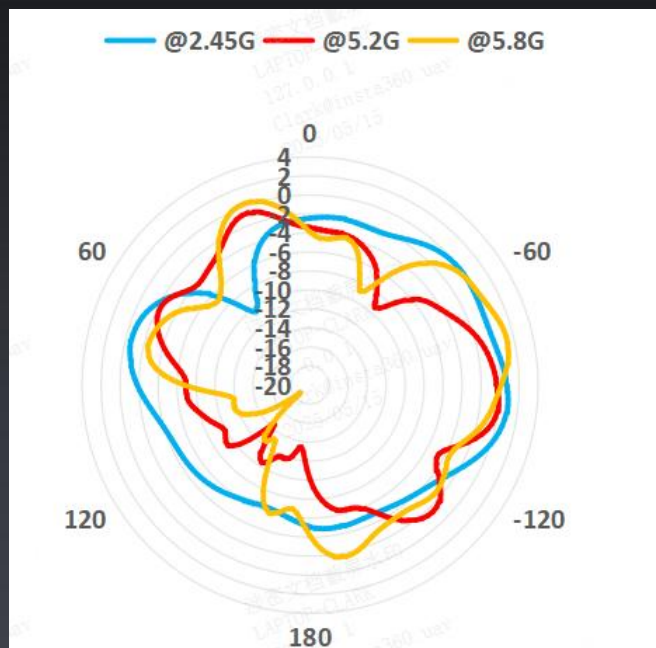
Phi=90°
YOZ面



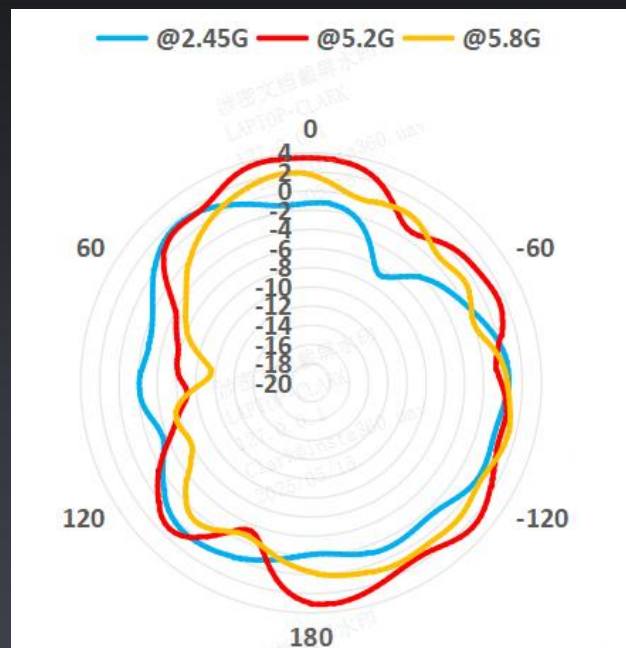
Phi=0°
XOZ面

Radiation pattern

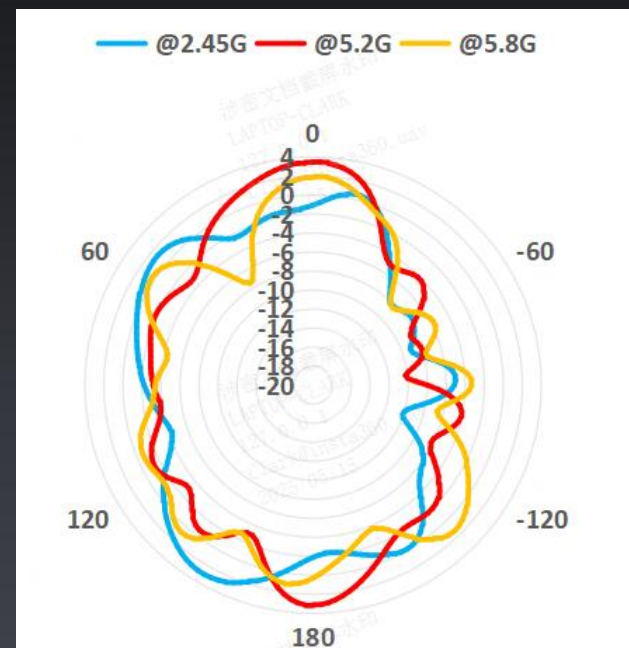
BR



Theta=90°
XOY面



Phi=90°
YOZ面



Phi=0°
XOZ面

Thank You