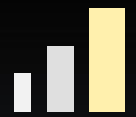


DGS

Antenna Test Report

Basic Specifications

Specification	Descriptions
Model Name	Wi-Fi 1 Wi-Fi 2 GFSK A1 A2 A3 B1 B2 B3
Frequency	2400~2483.5MHz&5150~5250MHz&5725~5850MHz
Connector Type	SPRING&I-PEX
Gain	Wi-Fi1 0.42dBi@2400~2483.5MHz/ 0.35dBi@5150~5250MHz/ 2.35dBi@5725~5850MHz Wi-Fi 2 -4.63dBi@2400~2483.5MHz/ -6.13dBi@5150~5250MHz/ 0.33dBi@5725~5850MHz GFSK 1.28dBi@2400~2483.5MHz



Basic Specifications

Specification	Descriptions
Gain	A1 0.68dBi@2400~2483.5MHz/ 0.71dBi@5150~5250MHz/ 0.93dBi@5725~5850MHz
	A2 1.81dBi@2400~2483.5MHz/ 2.35dBi@5150~5250MHz/ 1.68dBi@5725~5850MHz
	A3 0.92dBi@2400~2483.5MHz/ 0.71dBi@5150~5250MHz/ 1.46dBi@5725~5850MHz
	B1 1.77dBi@2400~2483.5MHz/ 2.24dBi@5150~5250MHz/ 2.42dBi@5725~5850MHz
	B2 0.72dBi@2400~2483.5MHz/ 2.17dBi@5150~5250MHz/ 1.85dBi@5725~5850MHz
	B3 1.96dBi@2400~2483.5MHz/ 2.29dBi@5150~5250MHz/ 2.41dBi@5725~5850MHz



Gain

Wi-Fi 1

Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	0.19	0.28	0.26	0.27	0.42	0.26	-0.01	-0.10	0.08	0.07	0.46

Frequency (MHz)	5150	5200	5250	5700	5750	5800	5850
Gain (dBi)	0.28	0.35	-0.19	2.05	2.27	2.09	2.35



Gain

Wi-Fi 2

Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	-5.64	-5.30	-4.99	-4.69	-4.69	-4.63	-4.71	-5.09	-5.04	-4.98	-5.09

Frequency (MHz)	5150	5200	5250	5700	5750	5800	5850
Gain (dBi)	-7.02	-6.43	-6.13	-0.86	-0.37	-0.03	0.33



Gain

GFSK

Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	1.22	1.28	1.15	1.01	0.99	0.79	0.79	0.18	-0.12	-0.41	-0.68



Gain

A1

Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	0.24	0.39	0.46	0.68	0.61	0.50	0.13	0.13	0.23	0.20	0.19

Frequency (MHz)	5150	5200	5250	5700	5750	5800	5850
Gain (dBi)	0.09	0.49	0.71	0.65	0.68	0.93	0.64



Gain

A2

Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	1.40	1.40	1.81	1.70	1.69	1.58	1.33	1.56	1.43	1.42	1.40

Frequency (MHz)	5150	5200	5250	5700	5750	5800	5850
Gain (dBi)	1.99	2.04	2.35	1.25	1.37	1.68	1.32



Gain

A3

Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	0.31	0.09	0.33	0.42	0.59	0.79	0.92	0.60	0.92	0.87	0.80

Frequency (MHz)	5150	5200	5250	5700	5750	5800	5850
Gain (dBi)	0.16	0.54	0.71	1.00	1.05	1.46	1.18



Gain

B1

Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	1.59	1.71	1.48	1.29	1.61	1.72	1.77	1.54	1.59	1.50	1.43

Frequency (MHz)	5150	5200	5250	5700	5750	5800	5850
Gain (dBi)	2.24	2.12	2.11	2.12	2.33	2.42	1.94



Gain

B2

Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	0.32	0.45	0.72	0.37	0.54	0.66	0.28	0.55	0.47	0.45	0.39

Frequency (MHz)	5150	5200	5250	5700	5750	5800	5850
Gain (dBi)	1.52	2.17	2.15	1.33	1.33	1.69	1.85



Gain

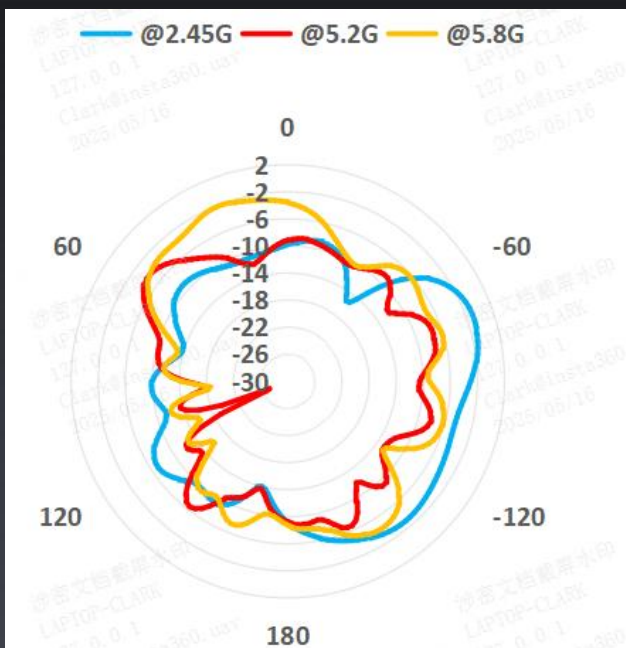
B3

Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	1.54	1.61	1.85	1.96	1.83	1.91	1.79	1.68	1.55	1.55	1.49

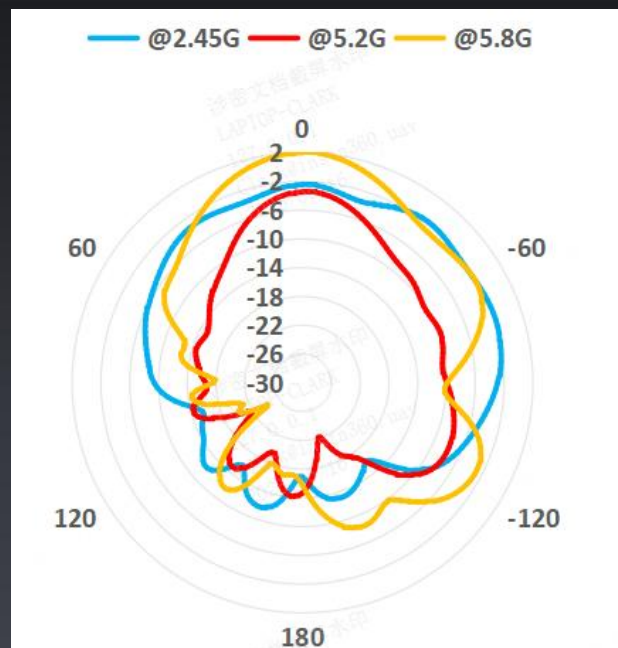
Frequency (MHz)	5150	5200	5250	5700	5750	5800	5850
Gain (dBi)	2.29	2.19	2.04	2.37	2.41	2.31	2.25

Radiation pattern

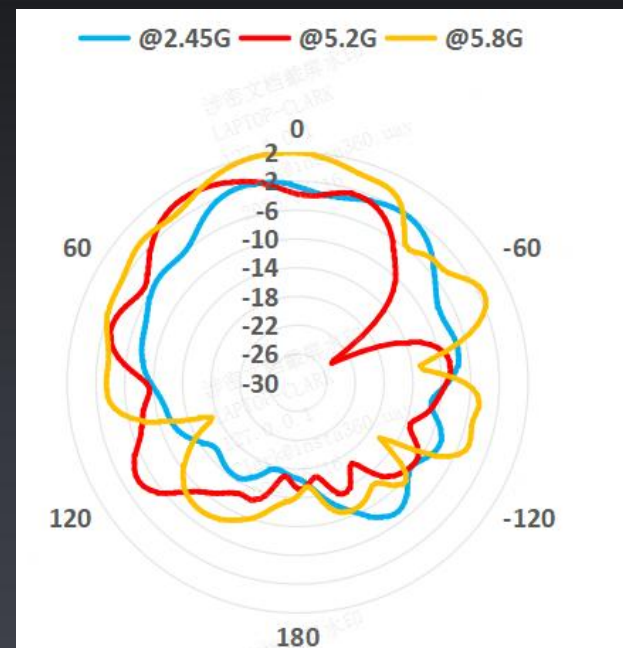
Wi-Fi 1



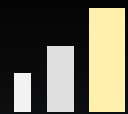
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XOY面



Phi=90°
YOZ面

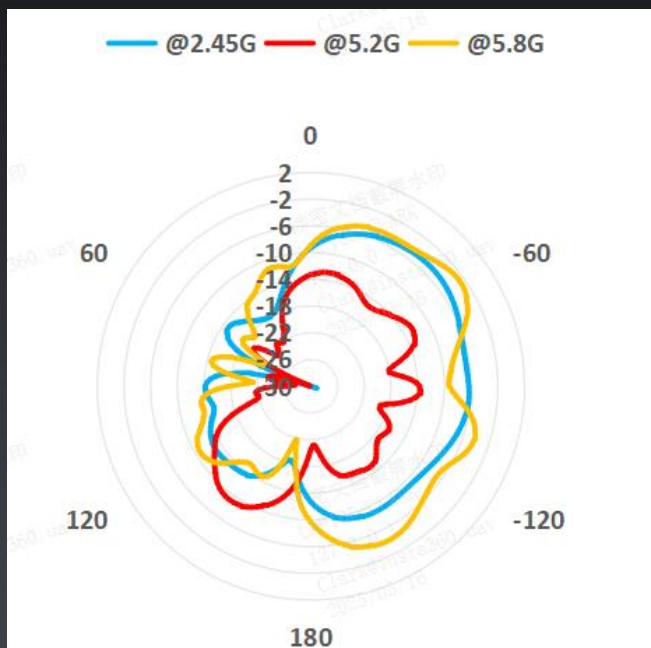


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XOZ面

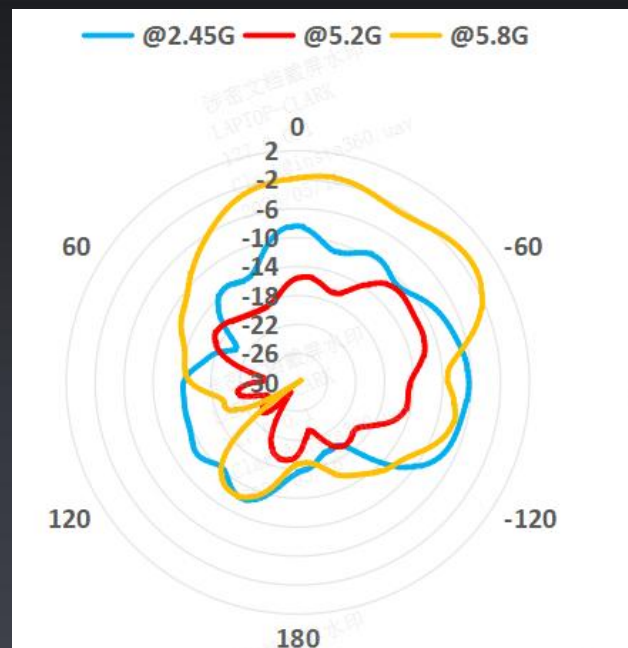


Radiation pattern

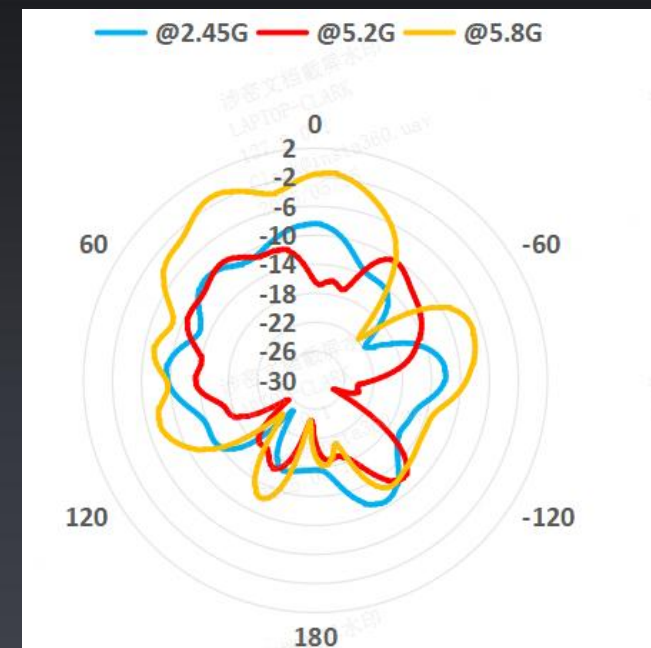
Wi-Fi 2



Theta=90°
XOY面



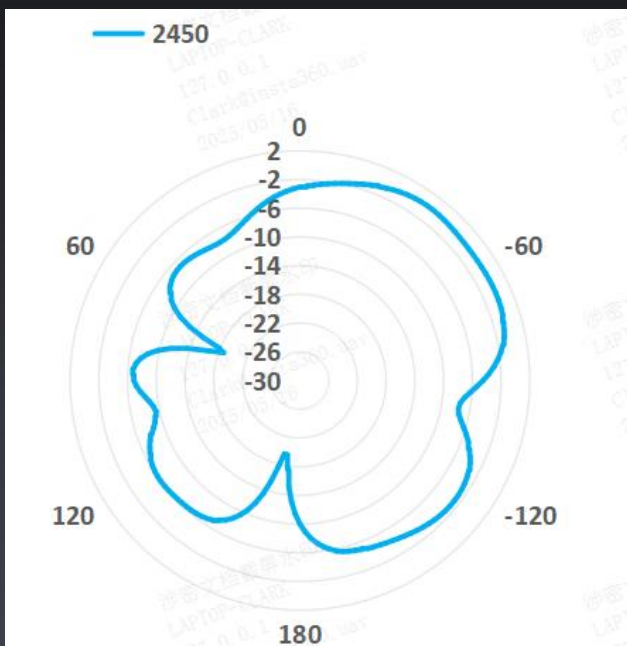
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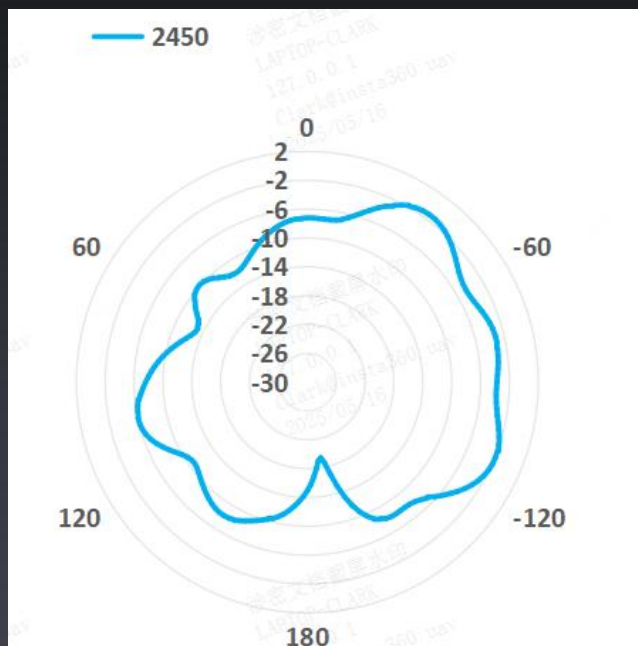
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XOZ面

Radiation pattern

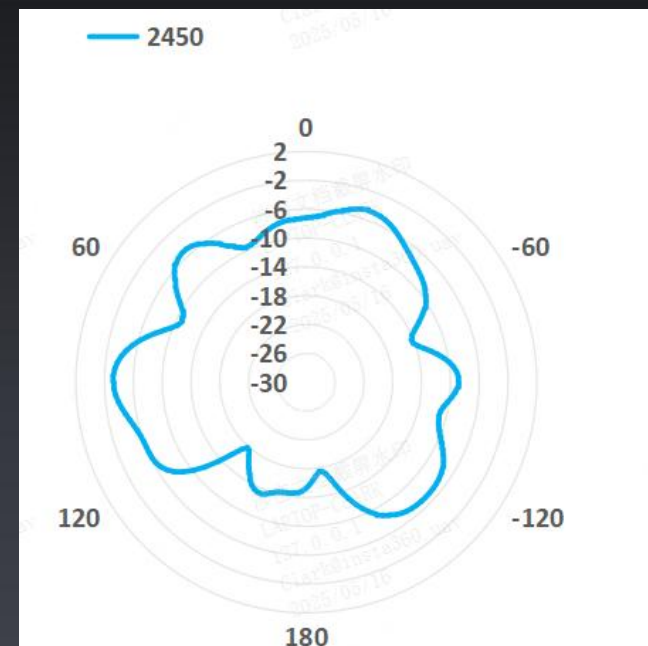
GFSK



Theta=90°
XOY面



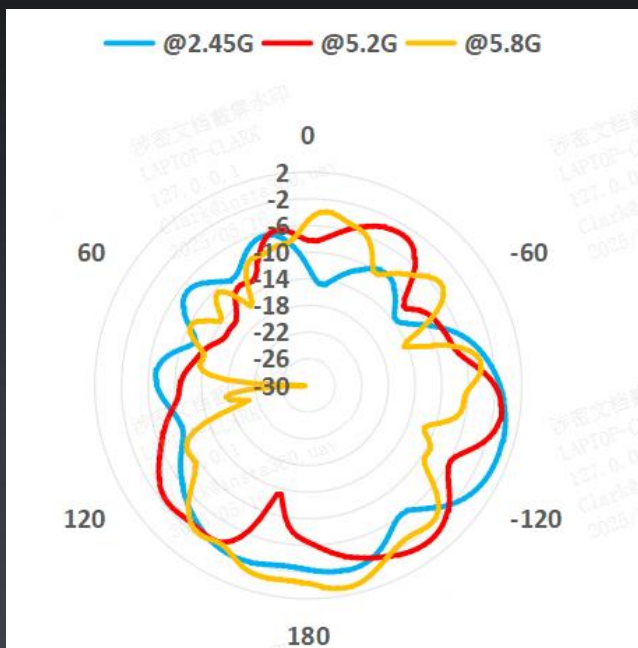
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YOZ面



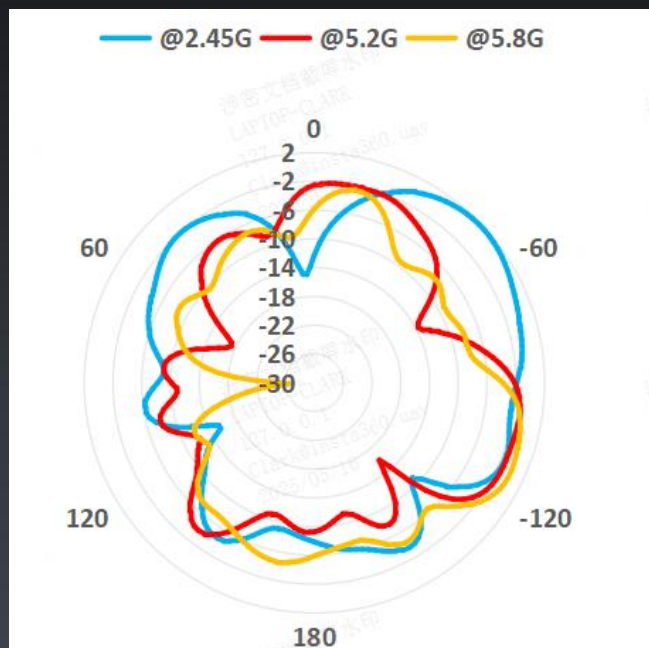
Phi=0°
XOZ面

Radiation pattern

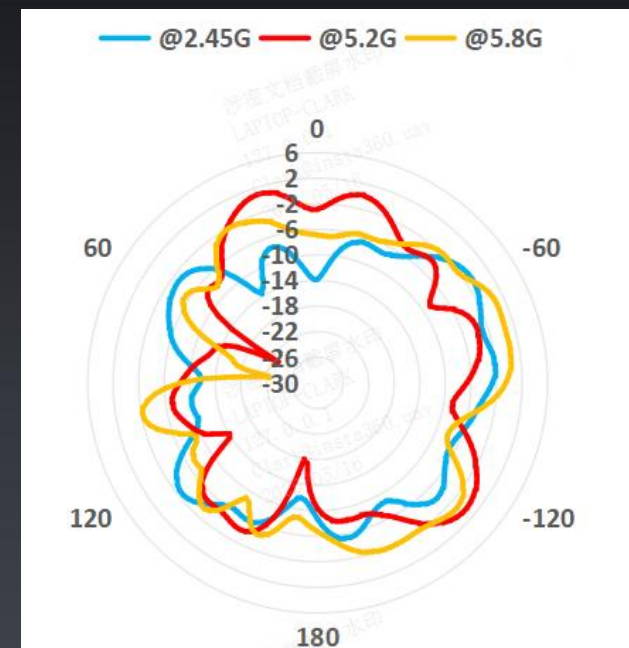
A1



Theta=90°
XOY面



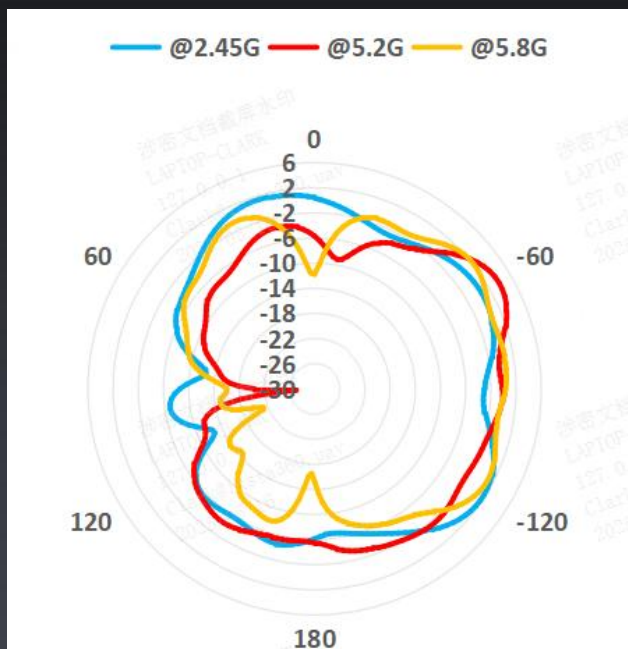
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YOZ面



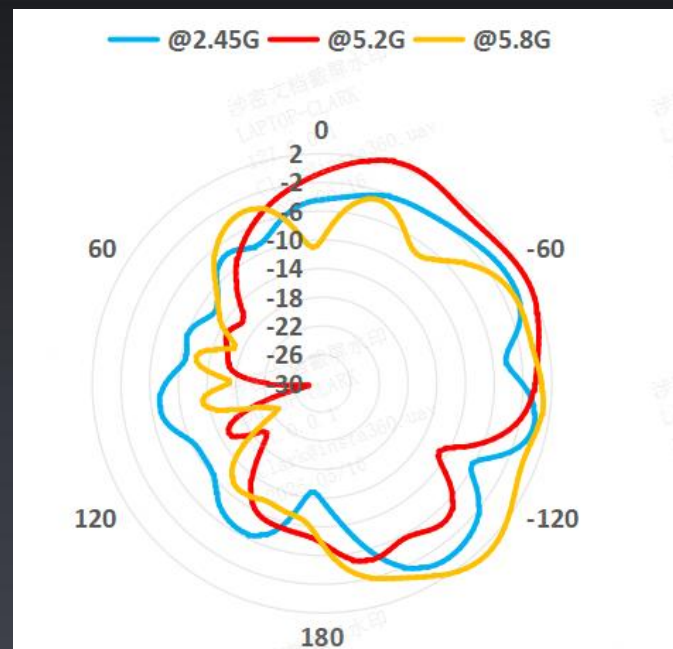
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XOZ面

Radiation pattern

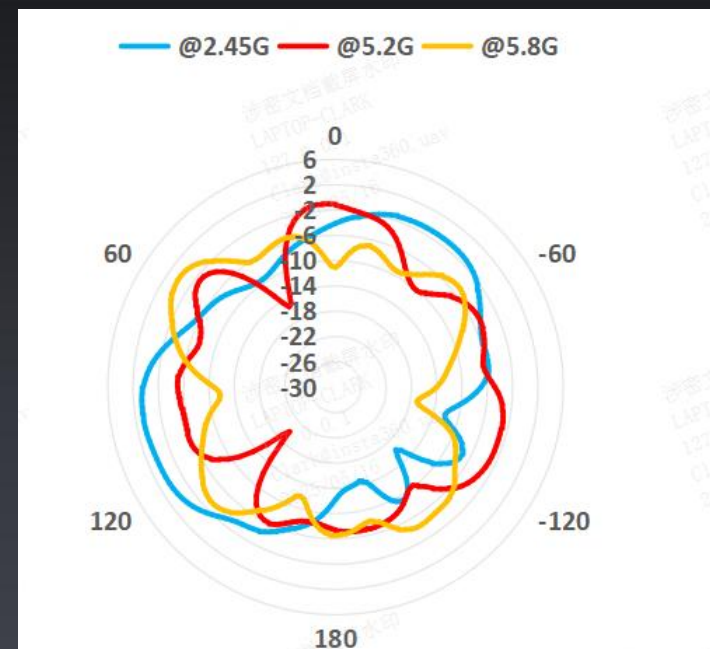
A2



Theta=90°
XOY面



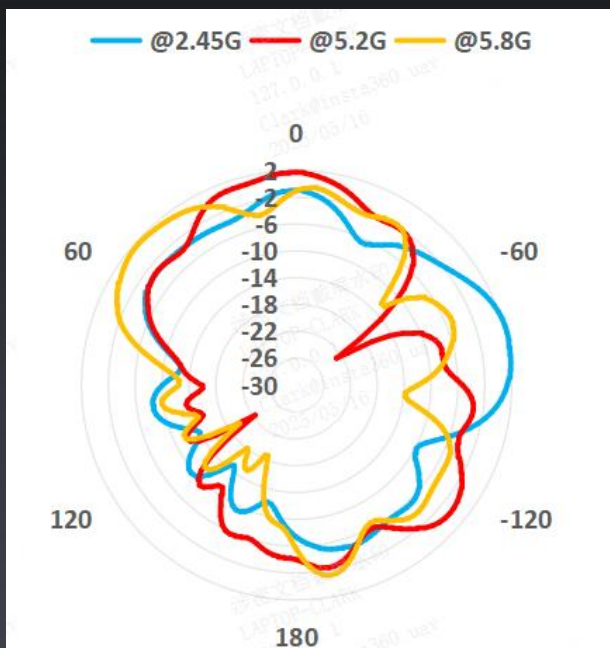
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YOZ面



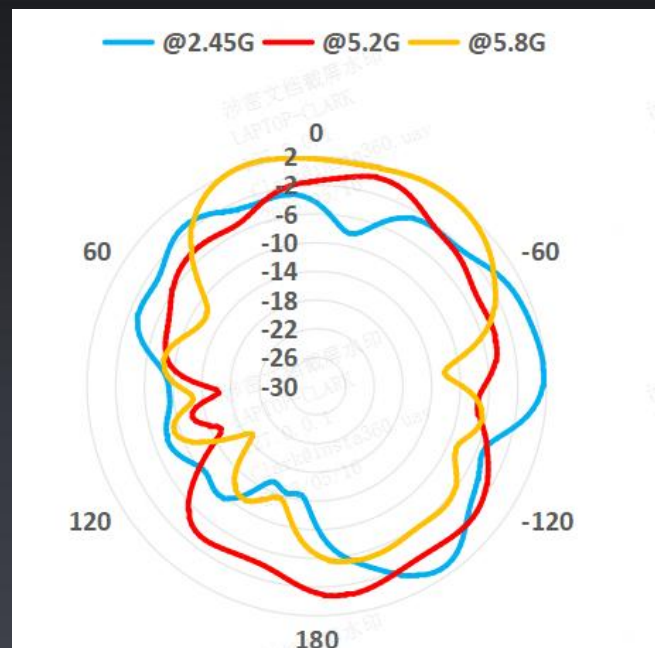
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XOZ面

Radiation pattern

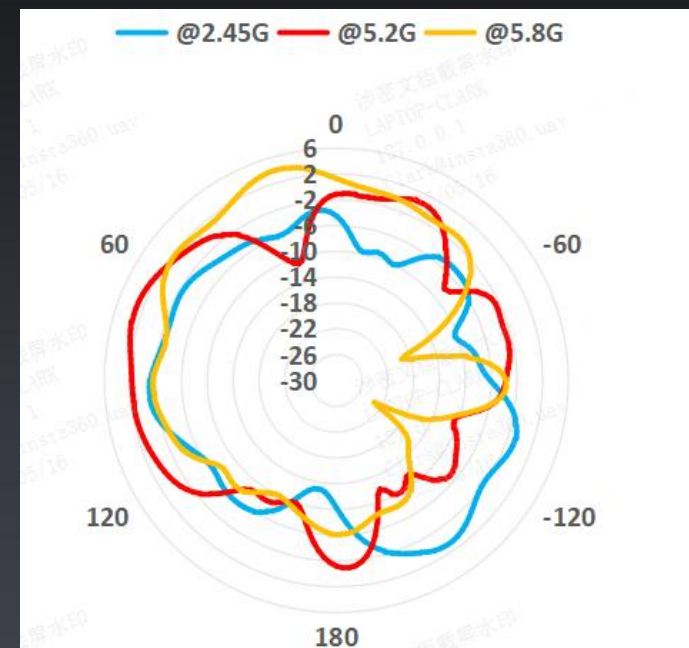
A3



Theta=90°
XOY面



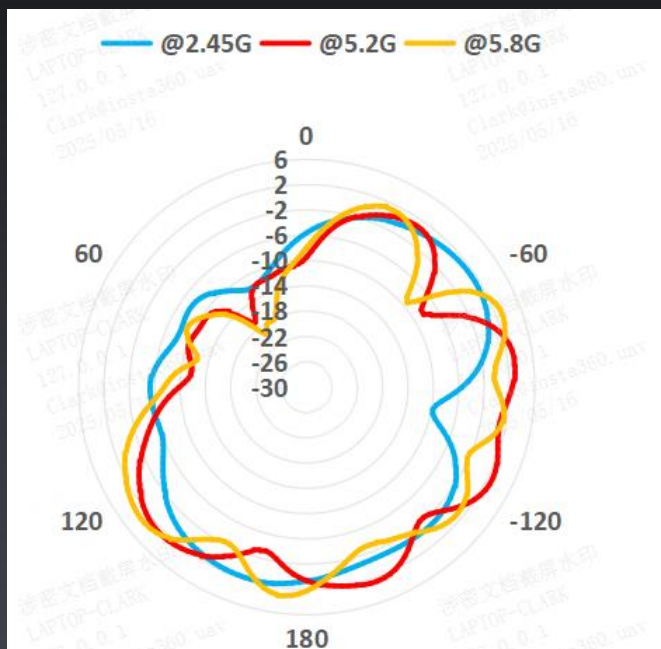
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YOZ面



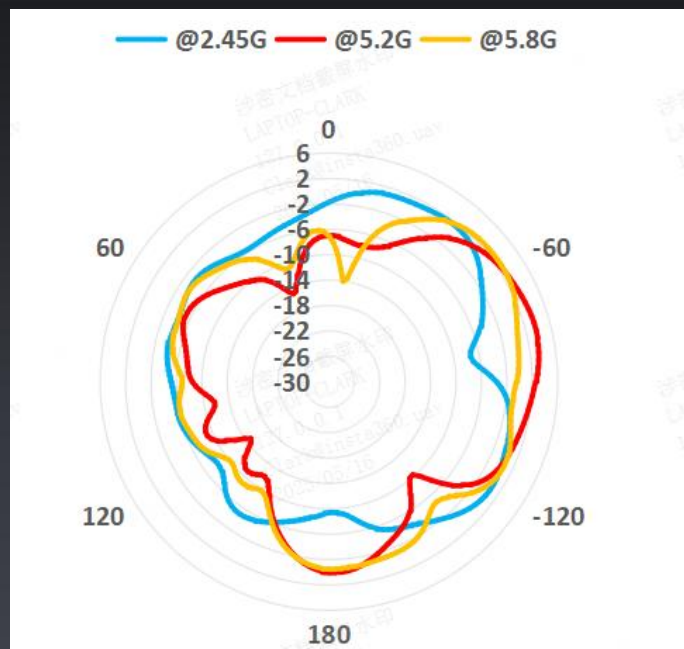
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XOZ面

Radiation pattern

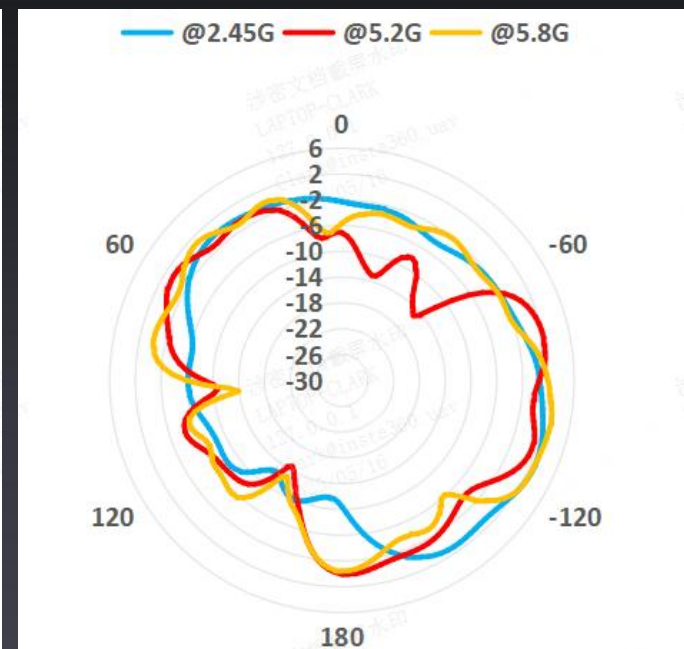
B1



Theta=90°
XOY面



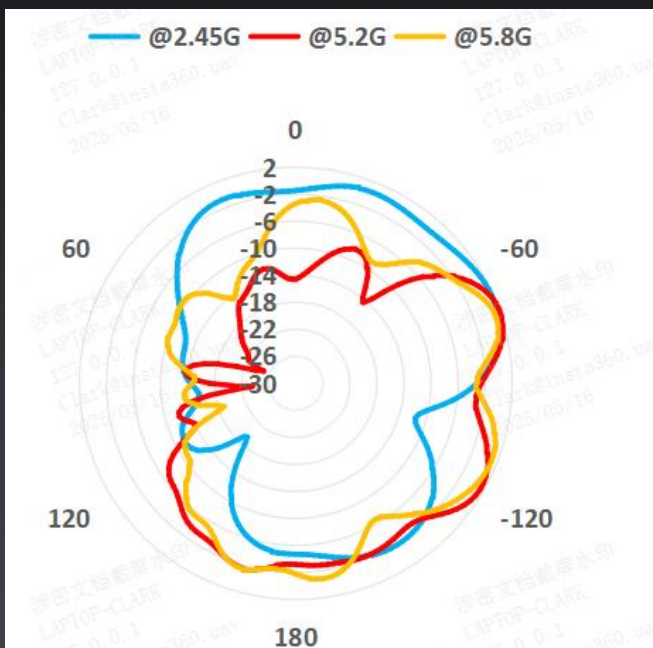
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YOZ面



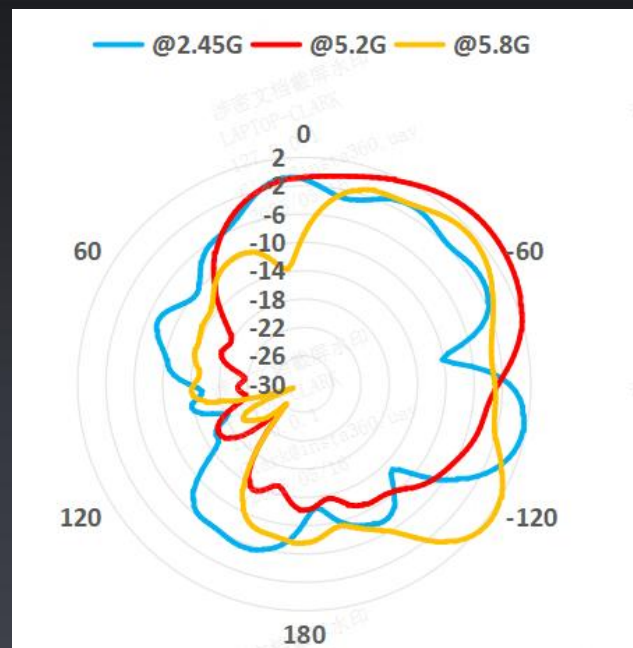
Phi=0°
XOZ面

Radiation pattern

B2



Theta=90°
XOY面



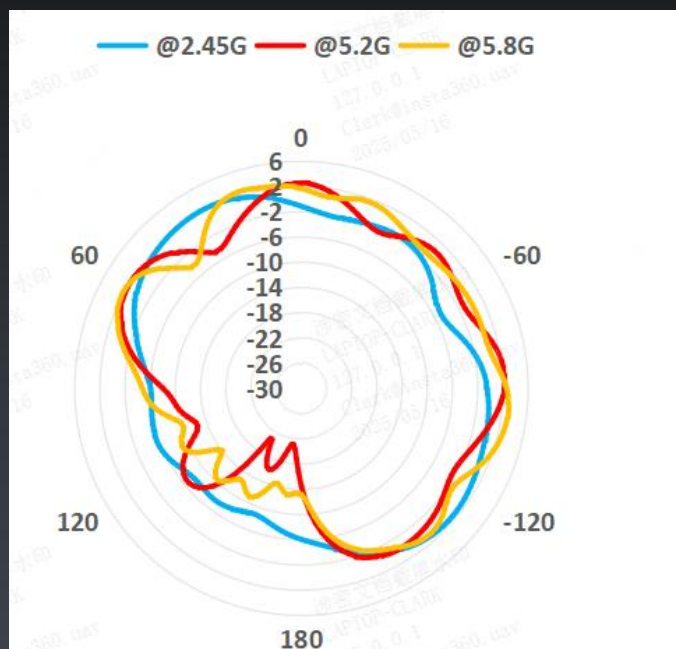
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YOZ面



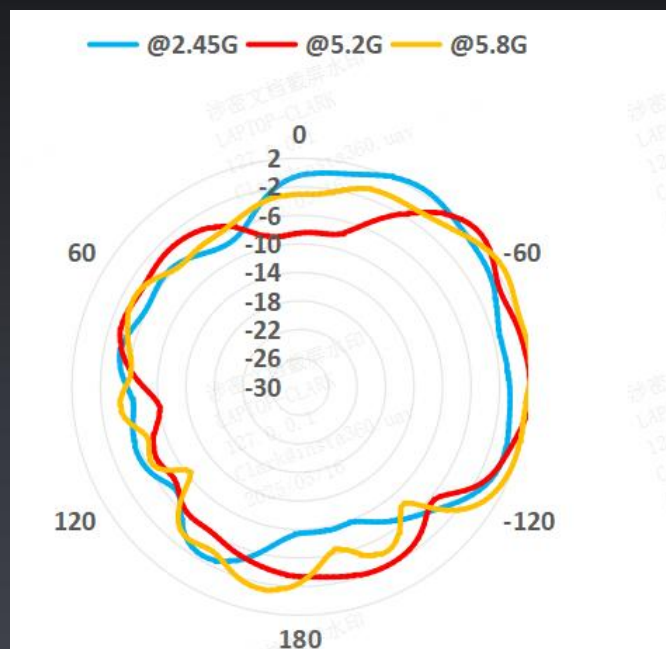
Phi=0°
XOZ面

Radiation pattern

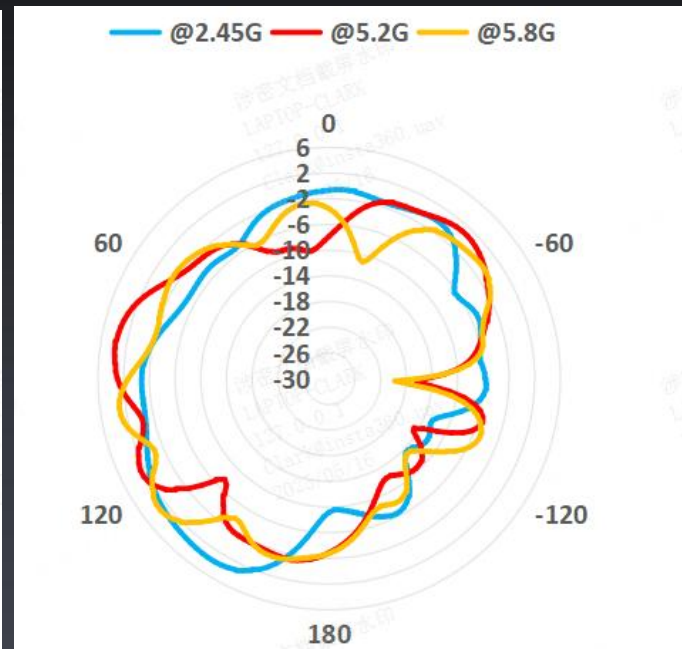
B3



Theta=90°
XOY面



Phi=90°
YOZ面



Phi=0°
XOZ面

Thank You