



Shenzhen Meihejia Technology Co., Ltd.

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Baoan District, Shenzhen,
China



Customer name	Tracy McGrady	Project name	M500
Commissioning frequency band	BT	Structure mode	FPC
Radio frequency engineer	Cao Gong	Construction engineer	Liang Gong
Antenna type	PIFA	Date	2024-12-27
Antenna model	M400		

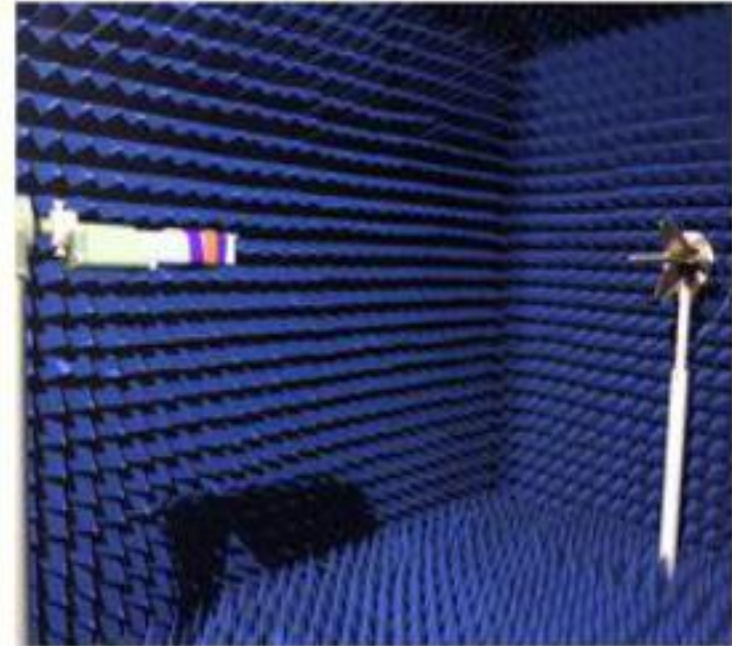


Test environment

	test project	equipment
1. (S-parameter)	1. (Return Loss) 2. (VSWR)	Agilent E5071B HP 8753D
2. (Active)	1. (TRP) 2. (TIS)	1. ETS 7x4x3 m (3D) Chamber ETS 5x3x3 m (3D) Chamber 2. Agilent 8960 E5515B × 2 StarPoint SP6011
3. (Passive)	1 (Gain) 2 (Efficiency)	1. ETS 7x4x3 m (3D) Chamber ETS 5x3x3 m (3D) Chamber 2. Agilent E5071B HP 8753D



Test Equipment

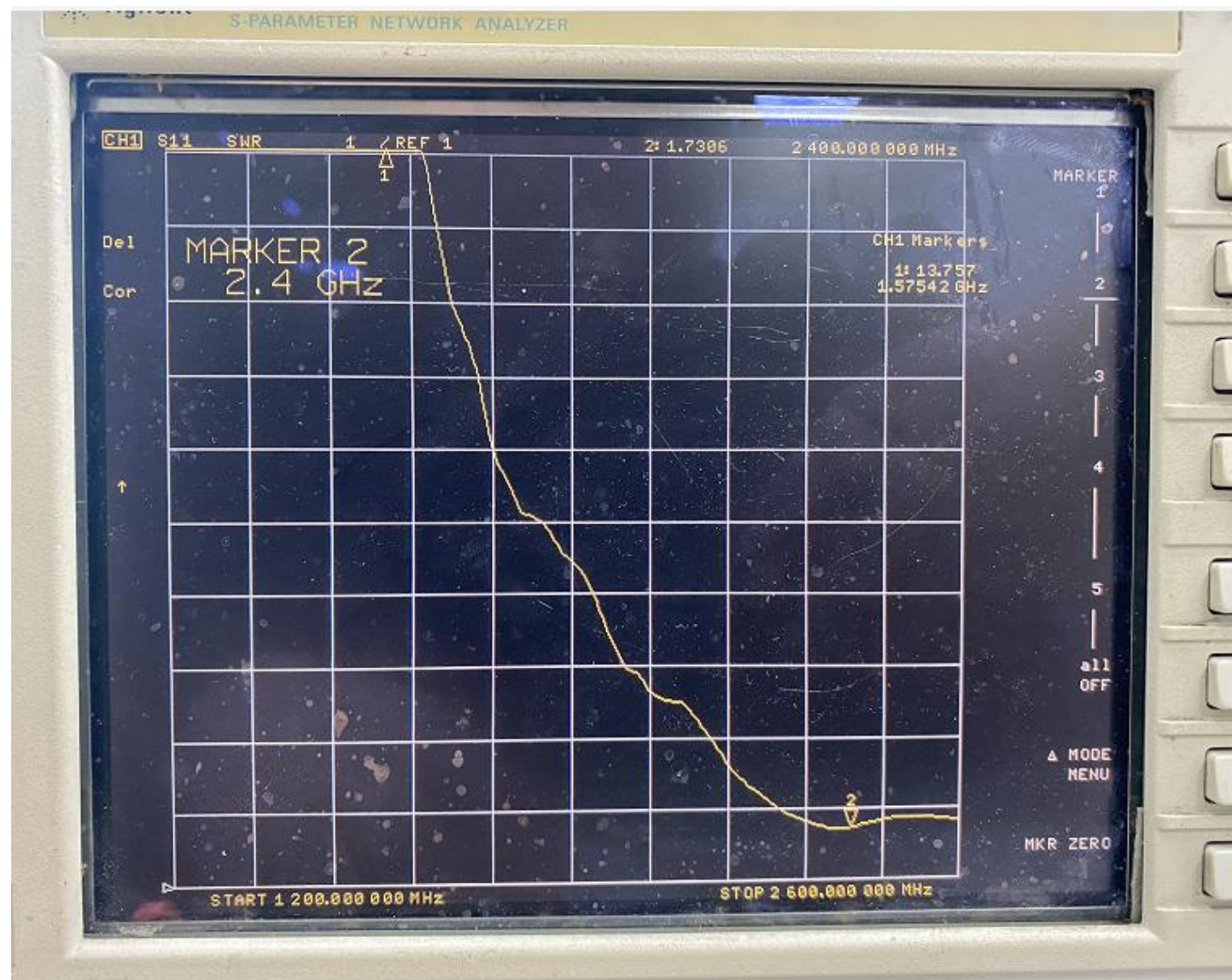


Antenna position



BT Antenna

BT-VSWR



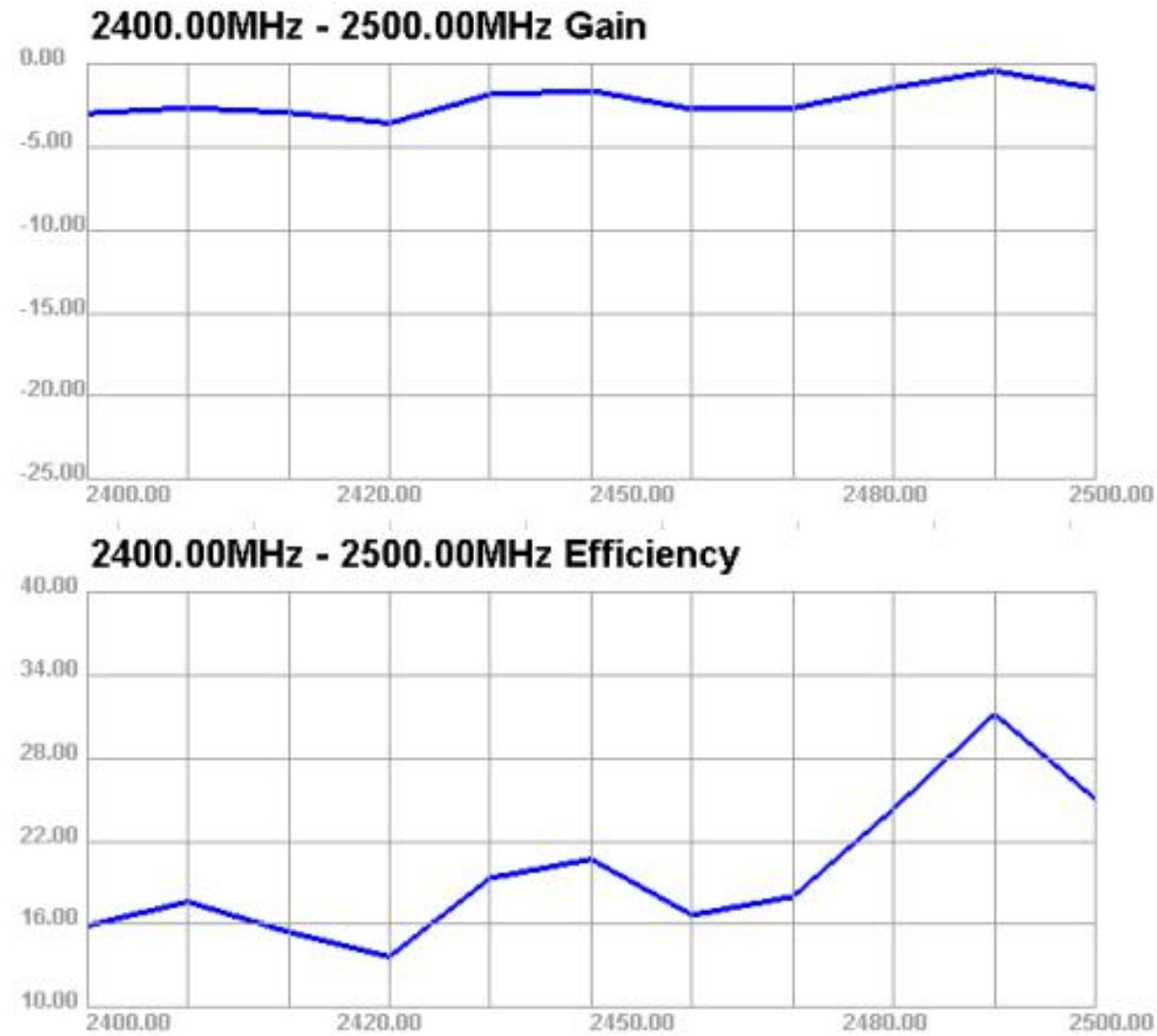


Efficiency and gain

Passive Test For WIFI2.4										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
2400	15.92	-7.98	-3	-5.15	8.988	6.933	-3	-22.53	52.03	53.99
2410	17.64	-7.53	-2.67	-4.82	10.074	7.569	-2.67	-22.33	51.99	53.84
2420	15.46	-8.11	-2.94	-5.09	8.699	6.763	-2.94	-23.73	52.04	53.98
2430	13.69	-8.64	-3.58	-5.73	7.69	6.002	-3.58	-24.29	52.23	54.02
2440	19.36	-7.13	-1.86	-4.01	10.959	8.404	-1.86	-23.75	52.54	54.25
2450	20.71	-6.84	-1.64	-3.79	11.866	8.84	-1.64	-22.69	52.64	54.11
2460	16.69	-7.78	-2.73	-4.88	9.754	6.935	-2.73	-23.09	52.59	54.02
2470	18.01	-7.44	-2.67	-4.82	10.83	7.184	-2.67	-20.29	52.66	54.04
2480	24.36	-6.13	-1.43	-3.58	14.934	9.428	-1.43	-19.13	53.06	54.43
2490	31.18	-5.06	-0.45	-2.6	19.202	11.976	-0.45	-17.55	53.33	54.57
2500	25.04	-6.01	-1.49	-3.64	15.699	9.34	-1.49	-18.19	53.11	54.29



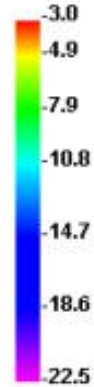
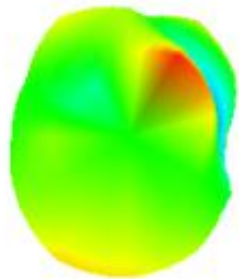
Efficiency and gain



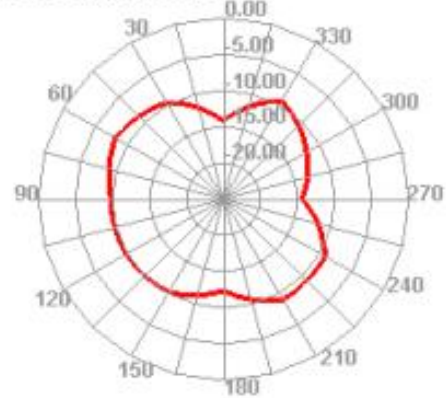


Efficiency and gain

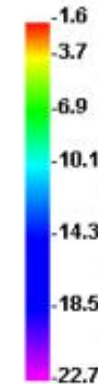
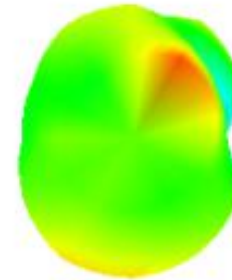
2400.000MHz



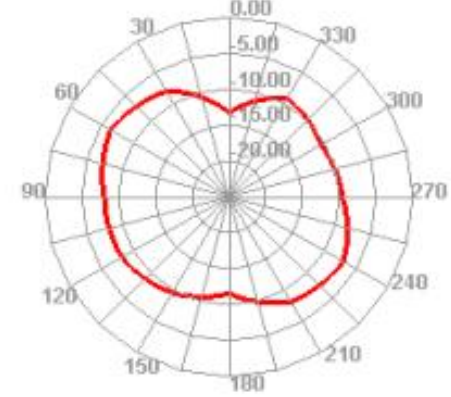
2400.000MHz H



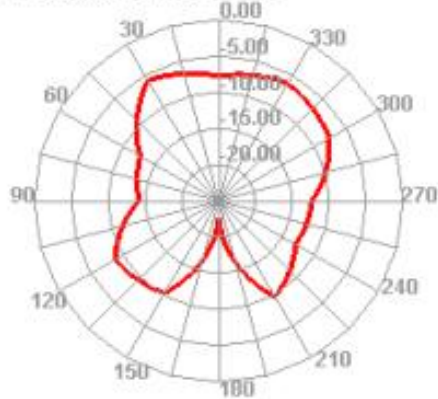
2450.000MHz



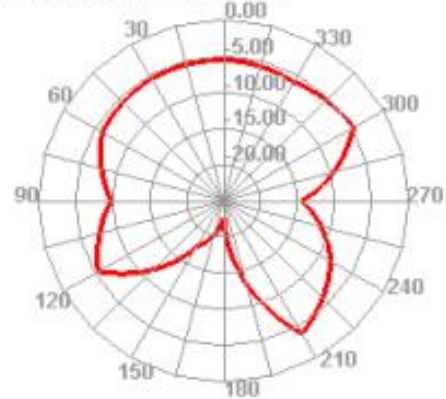
2450.000MHz H



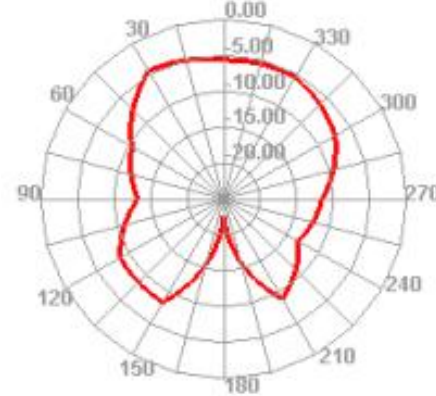
2400.000MHz E1



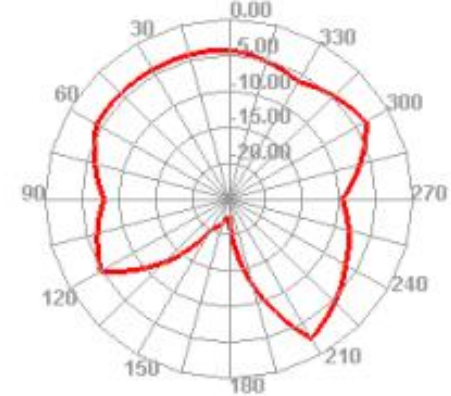
2400.000MHz E2



2450.000MHz E1

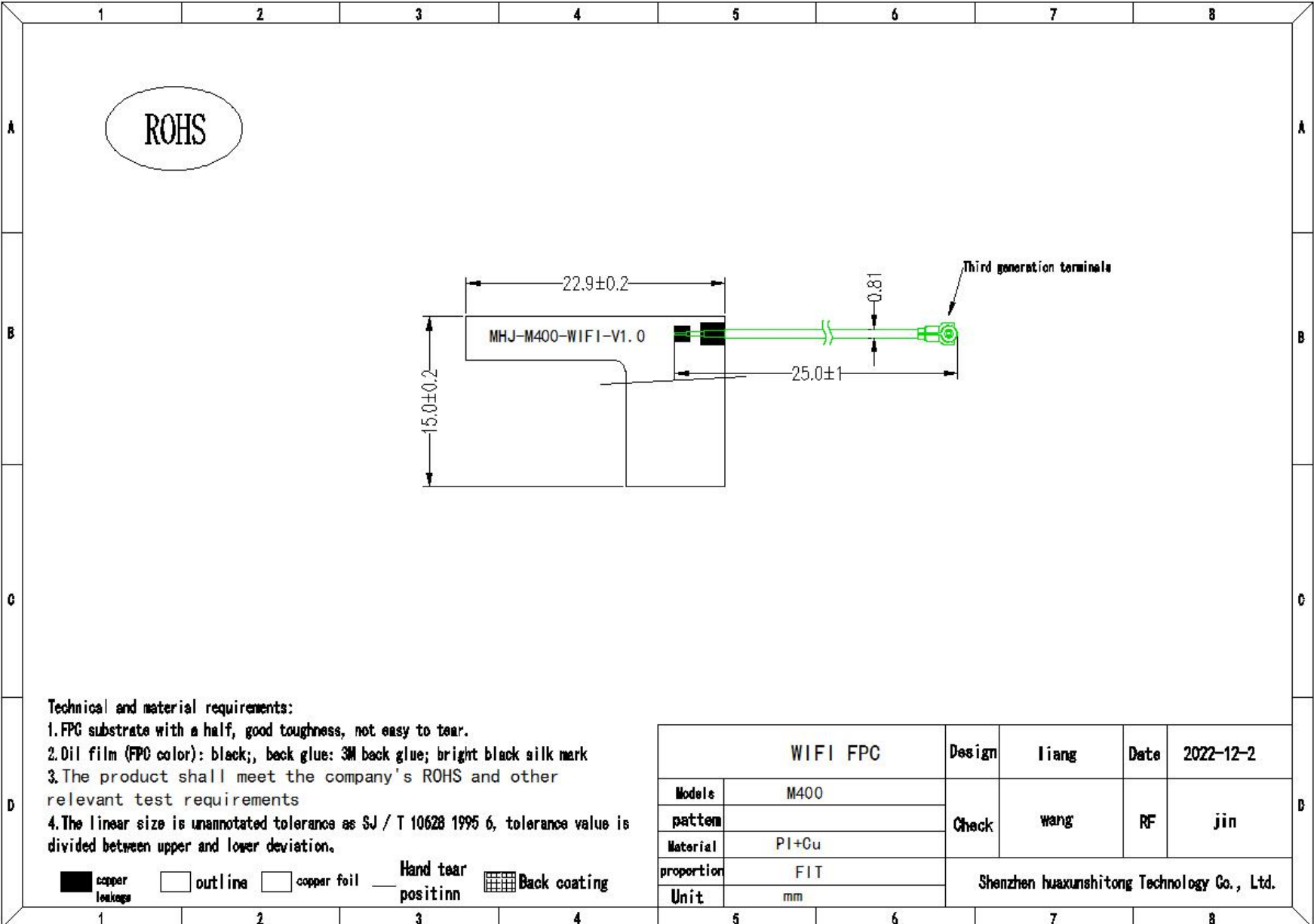


2450.000MHz E2





Structural drawings





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