

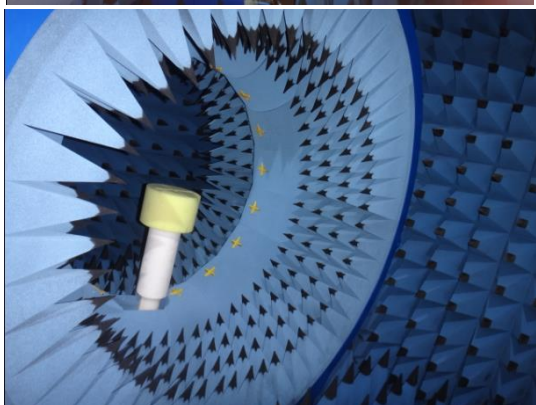
Antenna specification



Customer Name	Yellow Jacket	Project Name	H283-CW108
Commissioning frequency band	G4P/W1.2.5.8/ LTE34/38/39/40/41 FDD1/2/3/5/7/8/20/28 NR N1/3/5/7/8/20/28/38/41/77/7 8/79	Structure mode	FPC
RF Engineer	Xiang Yi	Structural Engineer	Du Qiang
Antenna Type	LOOP	Date	2024/6/26



The original imported French SATIMO StarLab 3D laboratory can accurately and quickly test the TRP, TIS, efficiency, gain, Apple diagram, directional diagram and other parameter data of communication terminal products such as mobile phones, tablet computers and notebooks.





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Antenna report version summary

Version	Date	Content Overview
V1.0	2024/03/01	Debugging antenna test report
V2.0		
V3.0		

Passive antenna gain/efficiency

WIFI/BT/5G ANT7 antenna

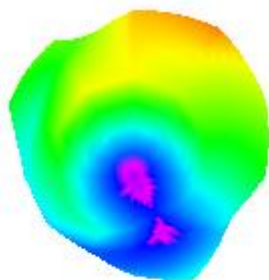
Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)
5150	35.44	2.16	2400	37.87	1.68
5200	36.3	2.58	2410	38.74	1.91
5250	40.41	2.9	2420	40.38	2.11
5300	35.51	1.96	2430	40.27	2.14
5350	33.2	1.05	2440	44.84	2.58
5400	32.89	1.1	2450	49.58	2.99
5450	33.53	1	2460	50.23	3.01
5500	28.2	-0.41	2470	48.06	2.78
5550	24.49	-0.63	2480	49.61	2.88
5600	24.31	-0.59	2490	49.03	2.84
5650	23.83	-0.71	2500	48.37	2.85
5700	25.66	-0.50			
5750	23.3	-0.69			
5800	24.81	-0.63			
5850	26.43	-0.53			

WIFI/BT/5G ANT8 antenna

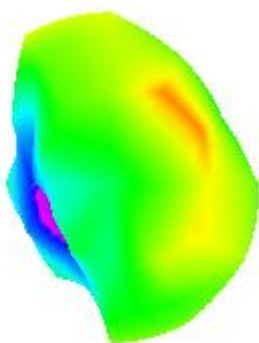
Freq (MHz)	Effi (%)	Effi (dB)	Freq (MHz)	Effi (%)	Gain (dBi)
5150	35.25	0.22	2400	37.9	0.92
5200	36.24	0.51	2410	42.07	0.94
5250	40.87	1.05	2420	39.6	1.23
5300	37.85	0.76	2430	36.59	0.63
5350	39.35	0.82	2440	38.84	0.51
5400	41.5	1	2450	39.52	0.45
5450	44.6	0.81	2460	38.66	0.9
5500	38.18	0.07	2470	41.6	0.55
5550	33.71	0.79	2480	40.48	1.68
5600	32.59	0.55	2490	43.74	1.86
5650	31.18	0.45	2500	45.85	2.07
5700	30.86	-0.1			
5750	30.3	-0.32			
5800	29.65	-0.32			
5850	29.09	-0.58			

Apple Chart

2.4G WIFI/BT



5.8G WIFI



Picture of antenna:

ANT7 antenna:



ANT8 antenna:

