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Company Profile and Testing Environment



Kunshan Ruixiang was founded in 2012, with its headquarters located in Kunshan City, Jiangsu Province. It provides leading RF front-end and antenna module solutions for mobile communication terminals such as mobile phones, tablets, laptops, and smart wearables, as well as IoT fields including automobiles, routers, drones, set-top boxes, TVs, and PON integration.

Office and R&D space: over 10,000 square meters

Independent production space: 50,000 square meters

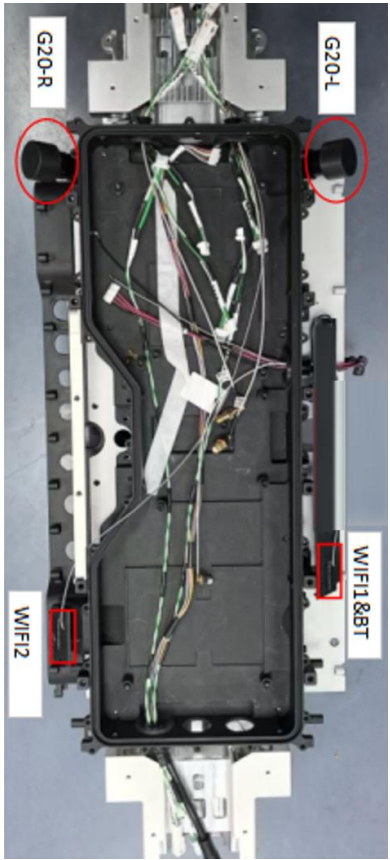
Number of employees: over 1,000

Cumulative sales revenue: over 2 billion RMB



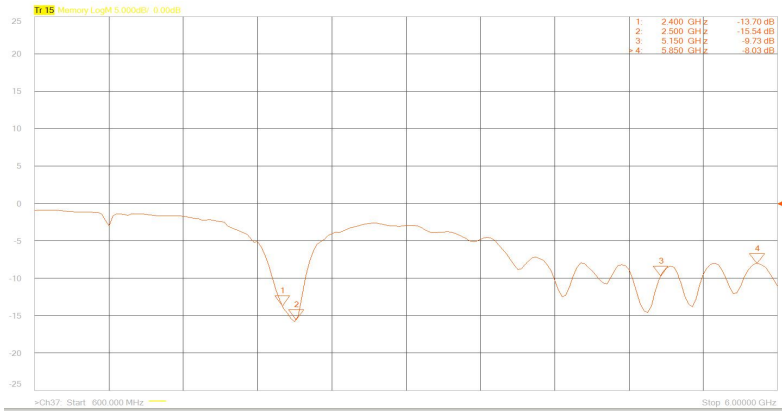
Prototype Pictures

Antenna Information		TruquurY Ard conlyurubon	Number of antenna ports	Antenna Type
Wi-Fi	Dual-band	2.4GHz-2.5GHz 5GHz-6GHz	WIFI1&BT/2	FPC
Image transmission module (G20)	Dual-band	2.4GHz-2.5GHz 5.715GHz-5.9GHz	MIMO2 (2T2R)	External Antenna

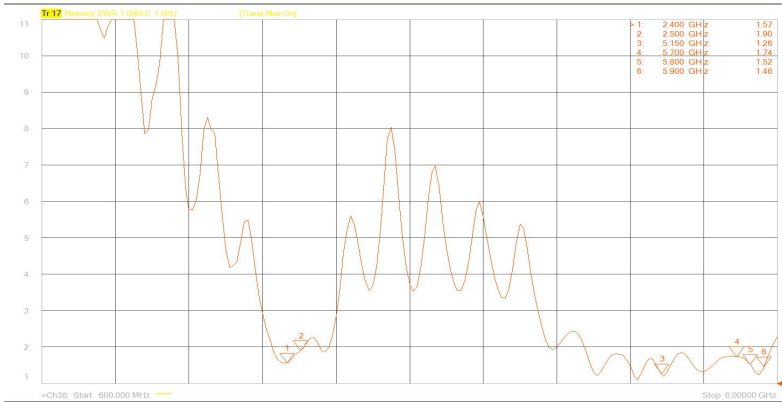


WIFI1&BT Antenna Test Results

WIFI1&BT Antenna S11



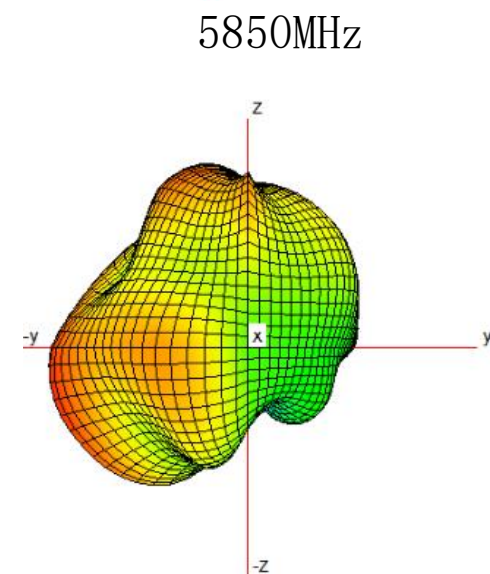
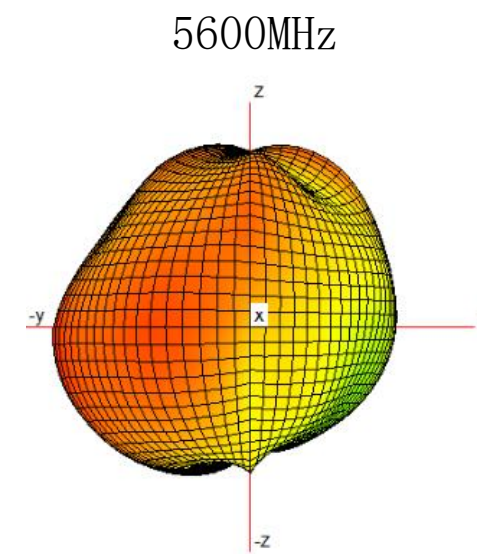
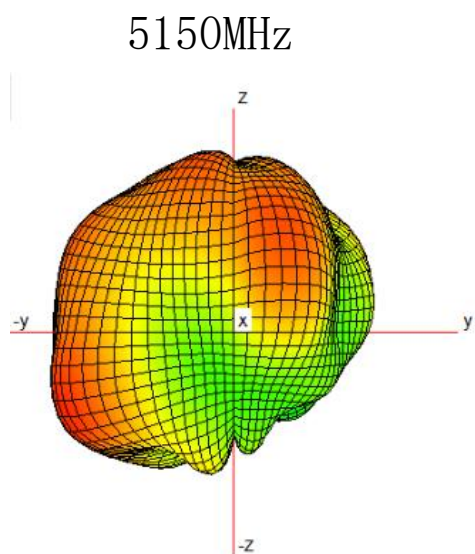
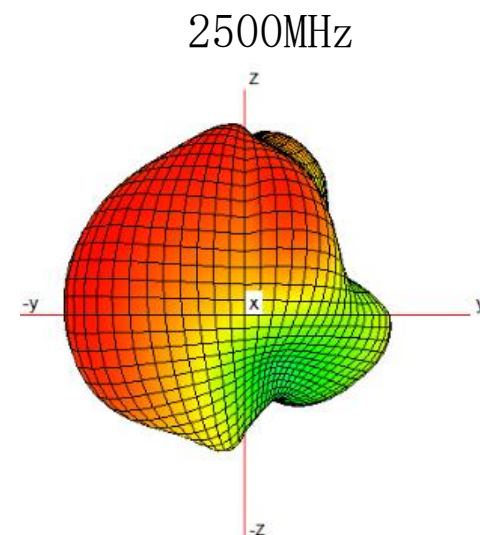
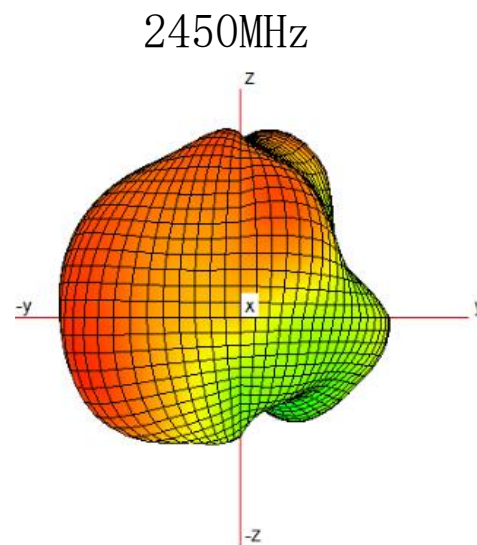
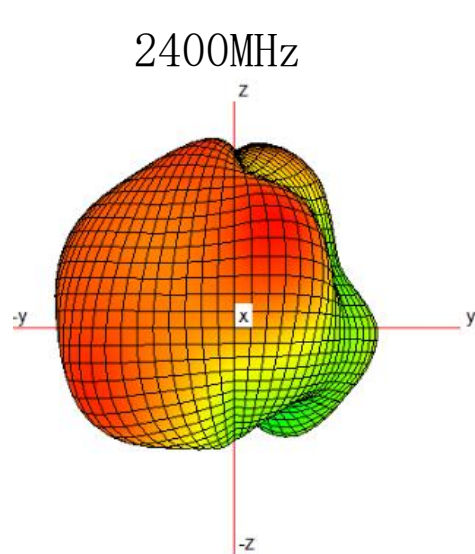
WIFI1&BT Antenna VSWR



WIFI1&BT Antenna Passive Efficiency

WIFI1&BT		
Freq (Mhz)	Effi (dB)	Gain (dBi)
2400	-2.3	3.7
2410	-2.3	3.9
2420	-2.2	4.1
2430	-2.1	4.4
2440	-2.2	4.3
2450	-2.3	4.1
2460	-2.2	4.0
2470	-2.3	3.8
2480	-2.1	3.6
2490	-2.4	3.2
2500	-2.3	3.1
5150	-3.2	3.8
5200	-3.3	3.3
5250	-3.7	2.5
5300	-4.0	3.8
5350	-4.0	4.0
5400	-3.5	3.9
5450	-3.7	3.8
5500	-4.1	4.3
5550	-4.0	4.2
5600	-3.7	4.3
5650	-3.4	4.9
5700	-3.3	5.0
5750	-3.1	5.5
5800	-3.6	4.9
5850	-4.2	3.7
5900	-3.8	3.8

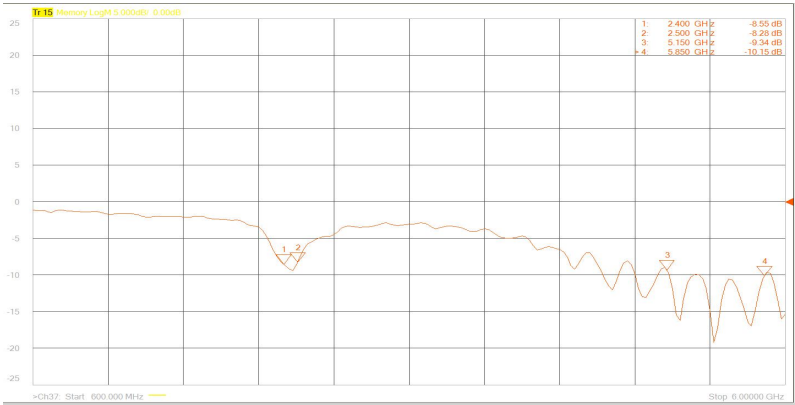
WIFI1&BT Antenna 3D radiation pattern



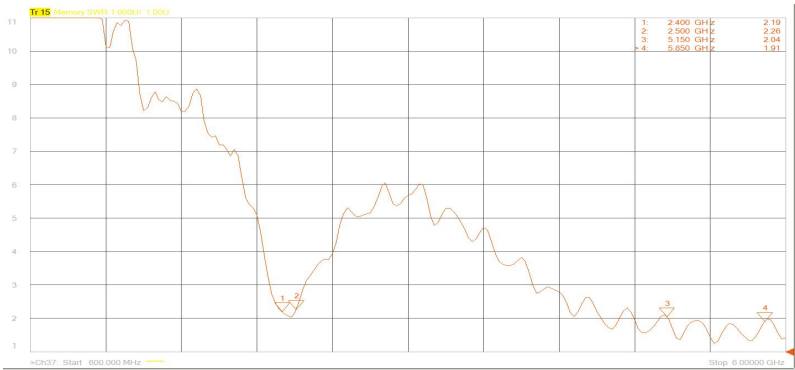
WiFi2 Antenna Test Results

WiFi2 Antenna Passive Efficiency

WiFi Antenna S11

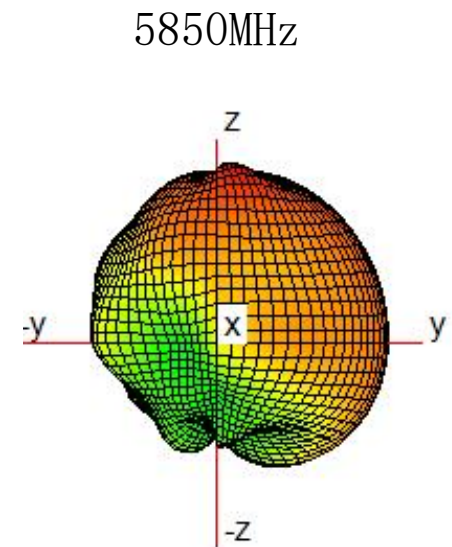
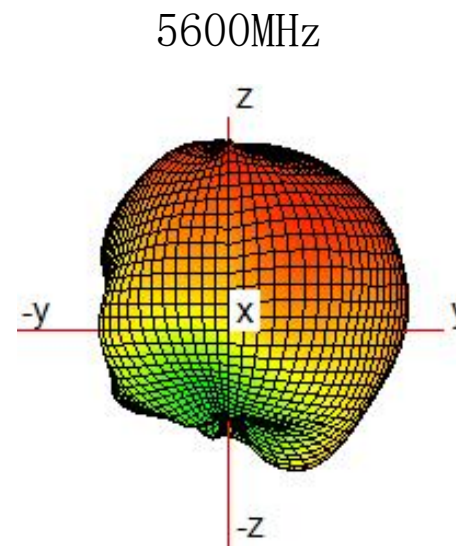
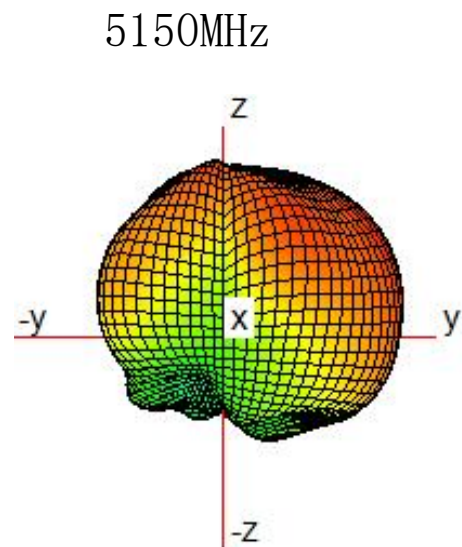
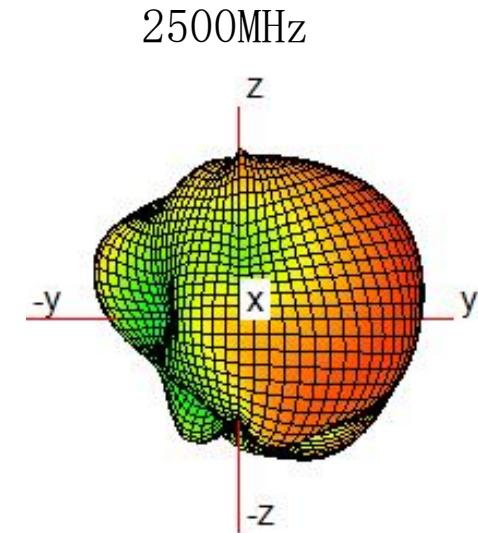
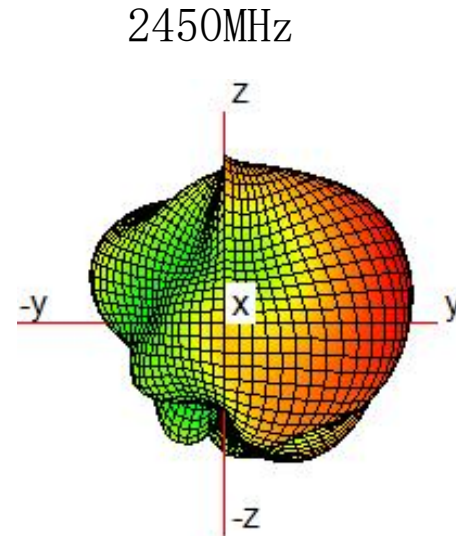
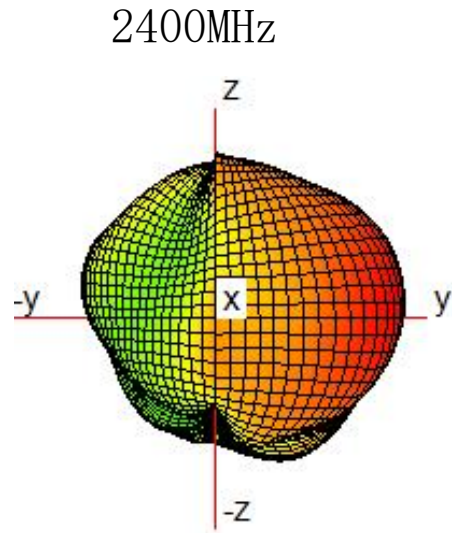


WiFi Antenna VSWR



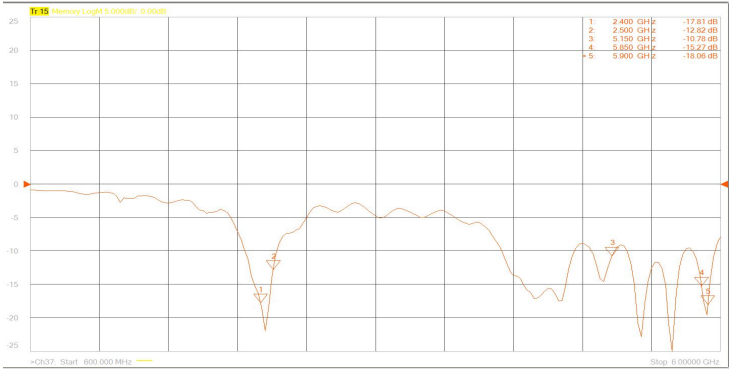
WIFI2		
Freq (Mhz)	Effi (dB)	Gain (dBi)
2400	-4.2	1.8
2410	-4.1	1.8
2420	-4.0	1.8
2430	-3.8	1.9
2440	-4.0	2.0
2450	-4.1	1.9
2460	-4.0	2.1
2470	-4.1	2.0
2480	-4.1	1.9
2490	-4.3	1.7
2500	-4.3	1.7
5150	-4.2	3.4
5200	-3.9	3.6
5250	-4.0	3.0
5300	-4.4	3.1
5350	-4.4	3.2
5400	-3.9	3.6
5450	-3.4	4.4
5500	-3.4	4.0
5550	-3.4	3.0
5600	-3.3	2.5
5650	-3.4	2.6
5700	-3.6	2.9
5750	-3.2	3.6
5800	-3.4	3.7
5850	-3.9	3.2
5900	-3.4	3.6

WIFI2 Antenna 3D radiation pattern

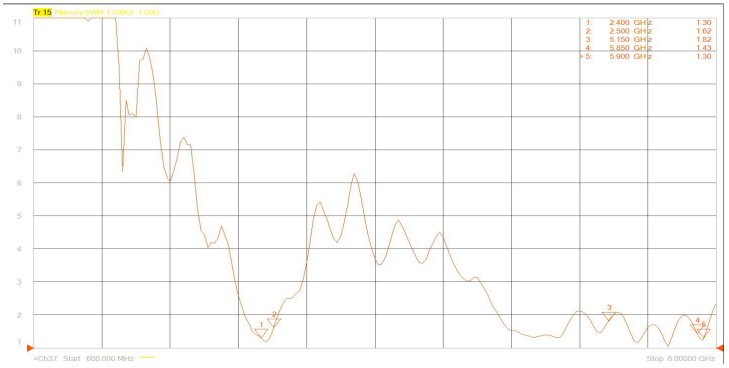


G20-L Antenna Test Results

G20-L Antenna S11



G20-L Antenna VSWR

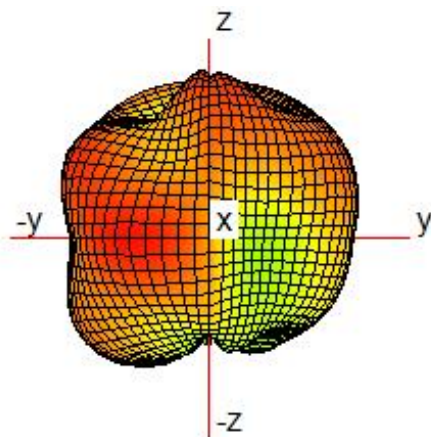


G20-L Antenna Passive Efficiency

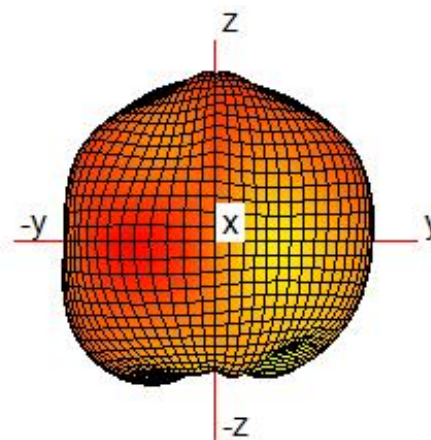
G20-L		
Freq (Mhz)	Effi (dB)	Gain (dBi)
2400	-3.8	3.4
2410	-3.9	3.5
2420	-3.9	3.5
2430	-3.9	3.6
2440	-4.0	3.5
2450	-4.3	3.1
2460	-4.3	2.9
2470	-4.4	2.6
2480	-4.4	2.3
2490	-4.7	1.5
2500	-4.7	1.2
5700	-7.8	-0.9
5750	-7.5	-0.4
5800	-6.7	-0.6
5850	-6.5	-1.5
5900	-7.4	-2.0

G20-L Antenna 3D radiation pattern

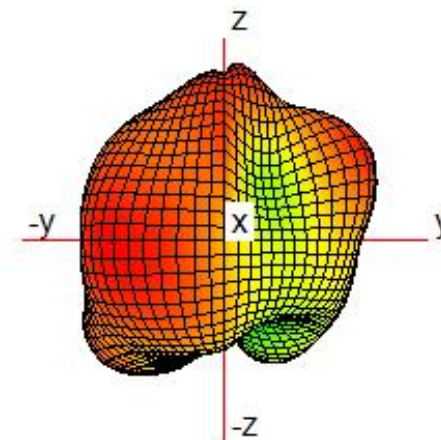
2400MHz



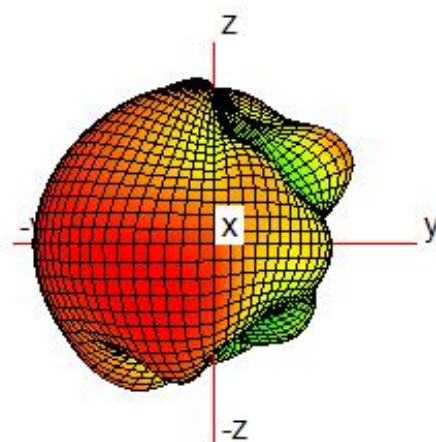
2450MHz



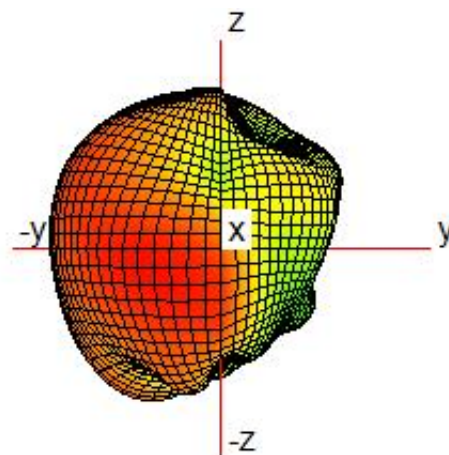
2500MHz



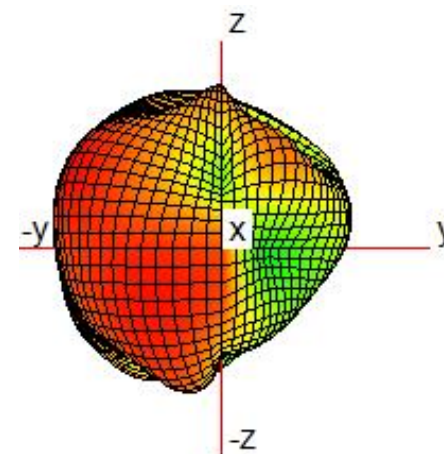
5700MHz



5800MHz

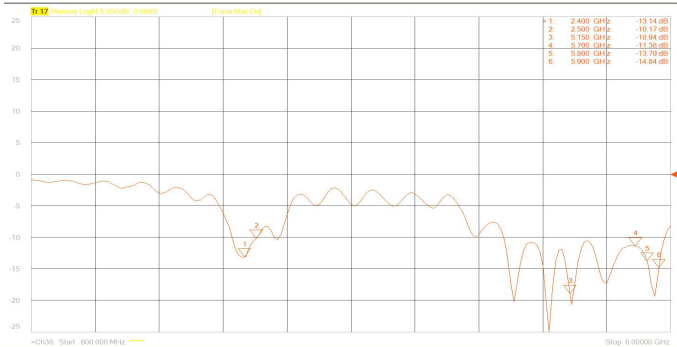


5900MHz

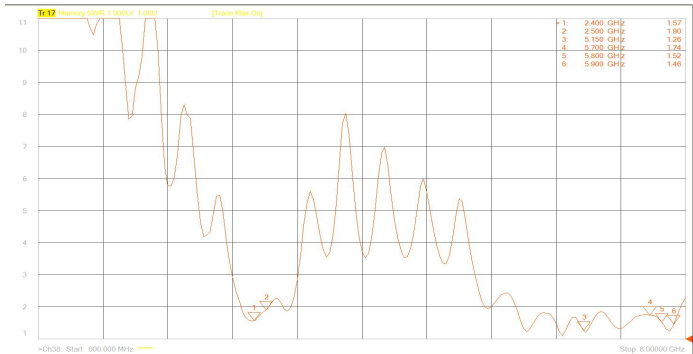


G20-R Antenna Test Results

G20-R Antenna S11



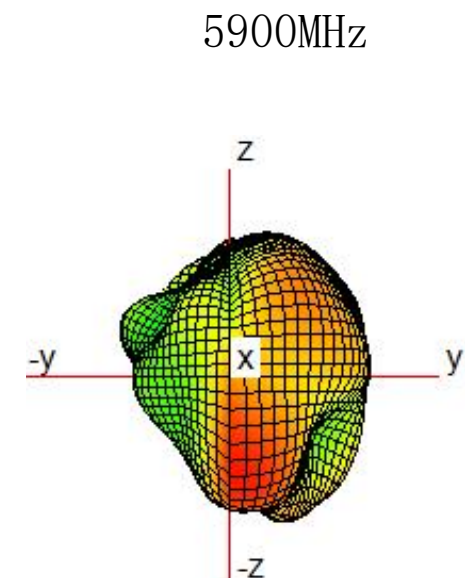
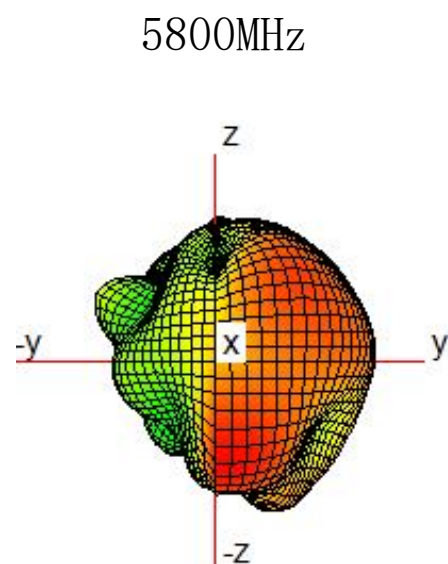
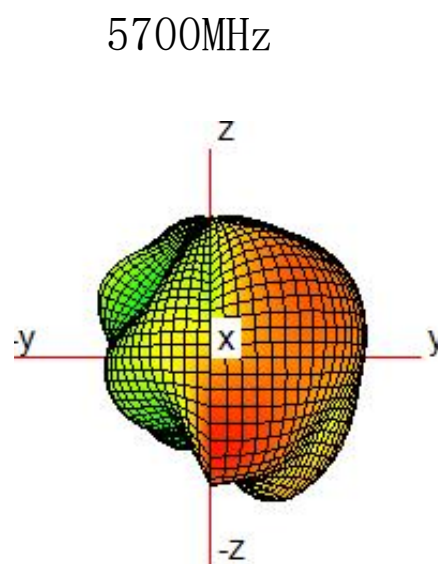
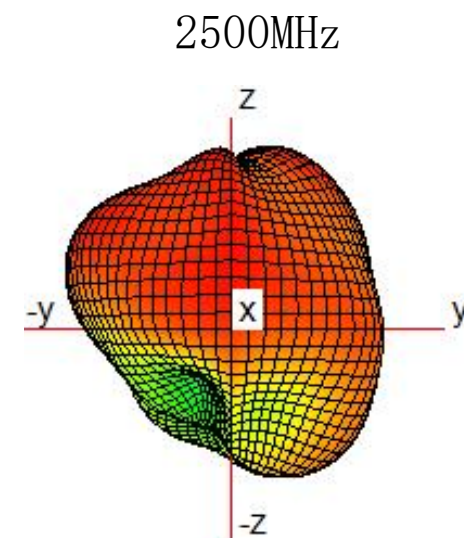
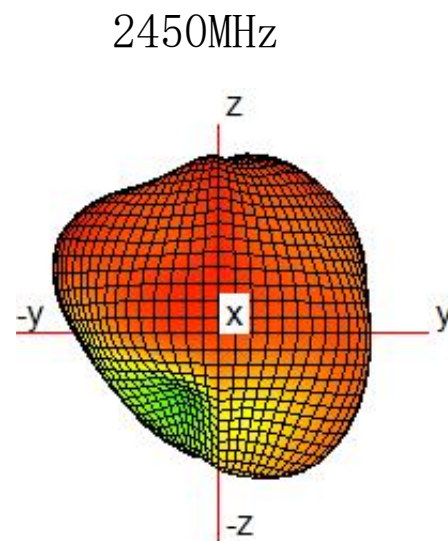
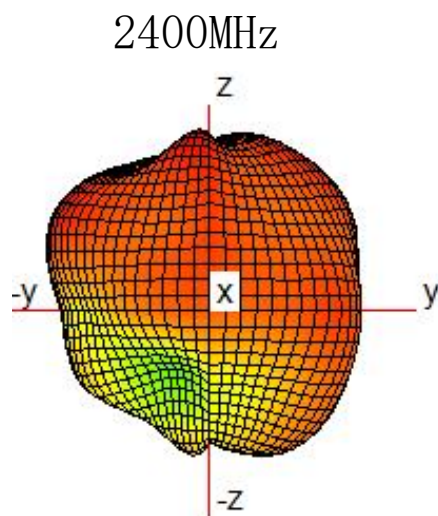
G20-R Antenna VSWR



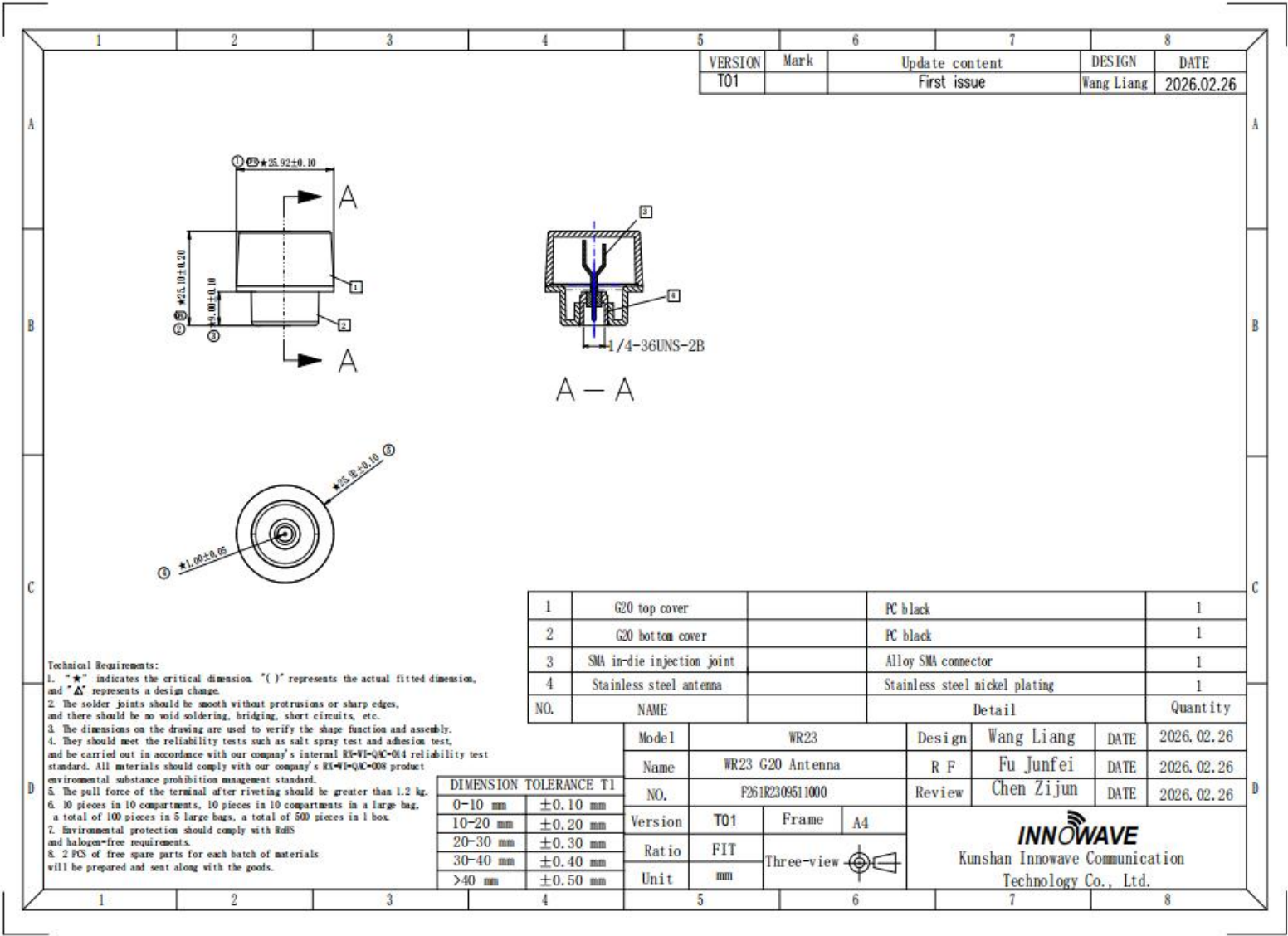
G20-R Antenna Passive Efficiency

G20-R		
Freq (Mhz)	Effi (dB)	Gain (dBi)
2400	-3.3	3.0
2410	-3.3	2.8
2420	-3.3	3.0
2430	-3.2	3.1
2440	-3.2	3.0
2450	-3.3	3.1
2460	-3.2	3.3
2470	-3.3	3.1
2480	-3.2	3.2
2490	-3.6	3.0
2500	-3.6	2.6
5700	-5.0	4.2
5750	-4.7	4.7
5800	-4.5	4.8
5850	-4.6	5.2
5900	-4.3	6.2

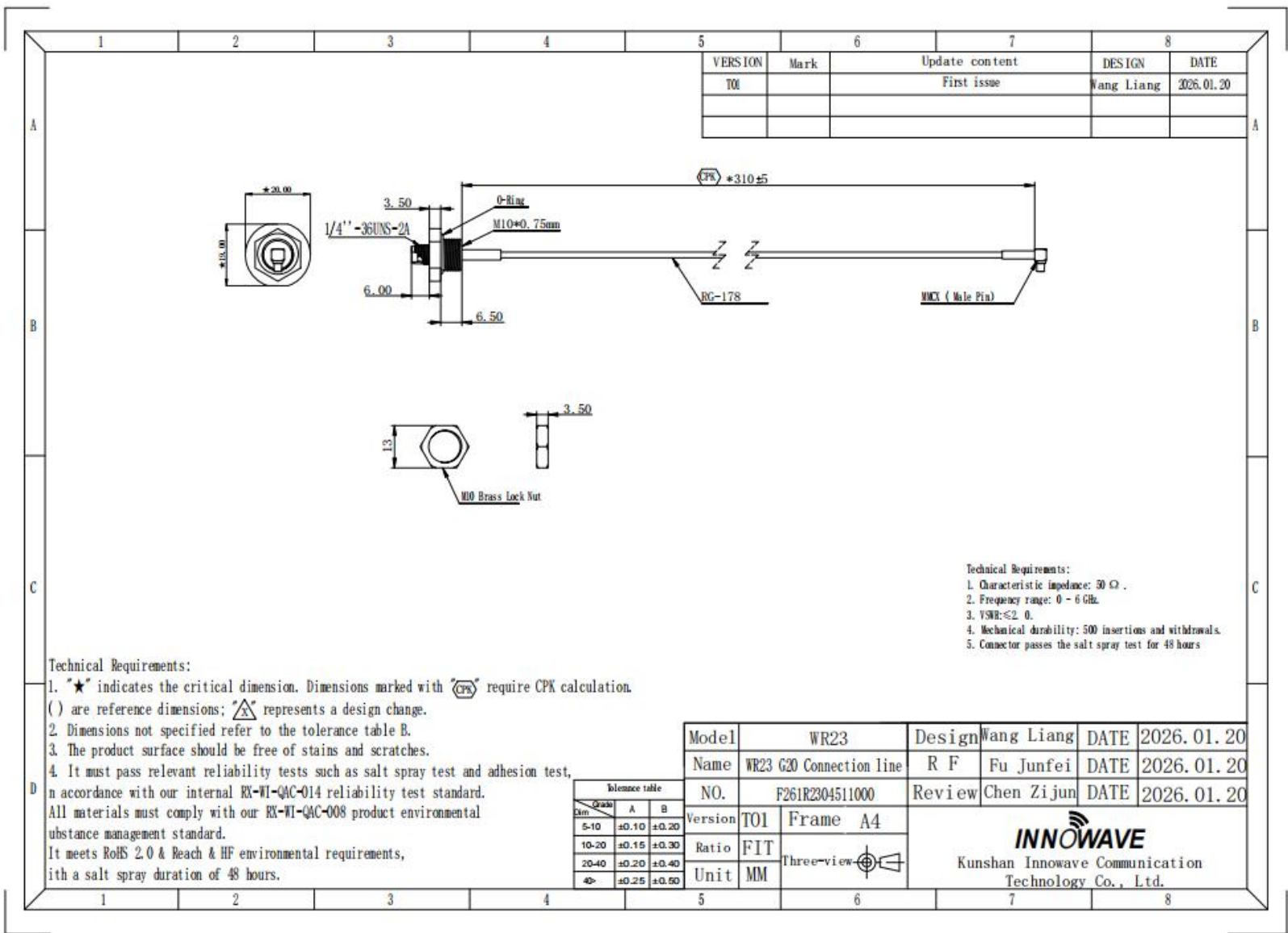
G20-R Antenna 3D radiation pattern



Antenna Drawings:G20 L&R



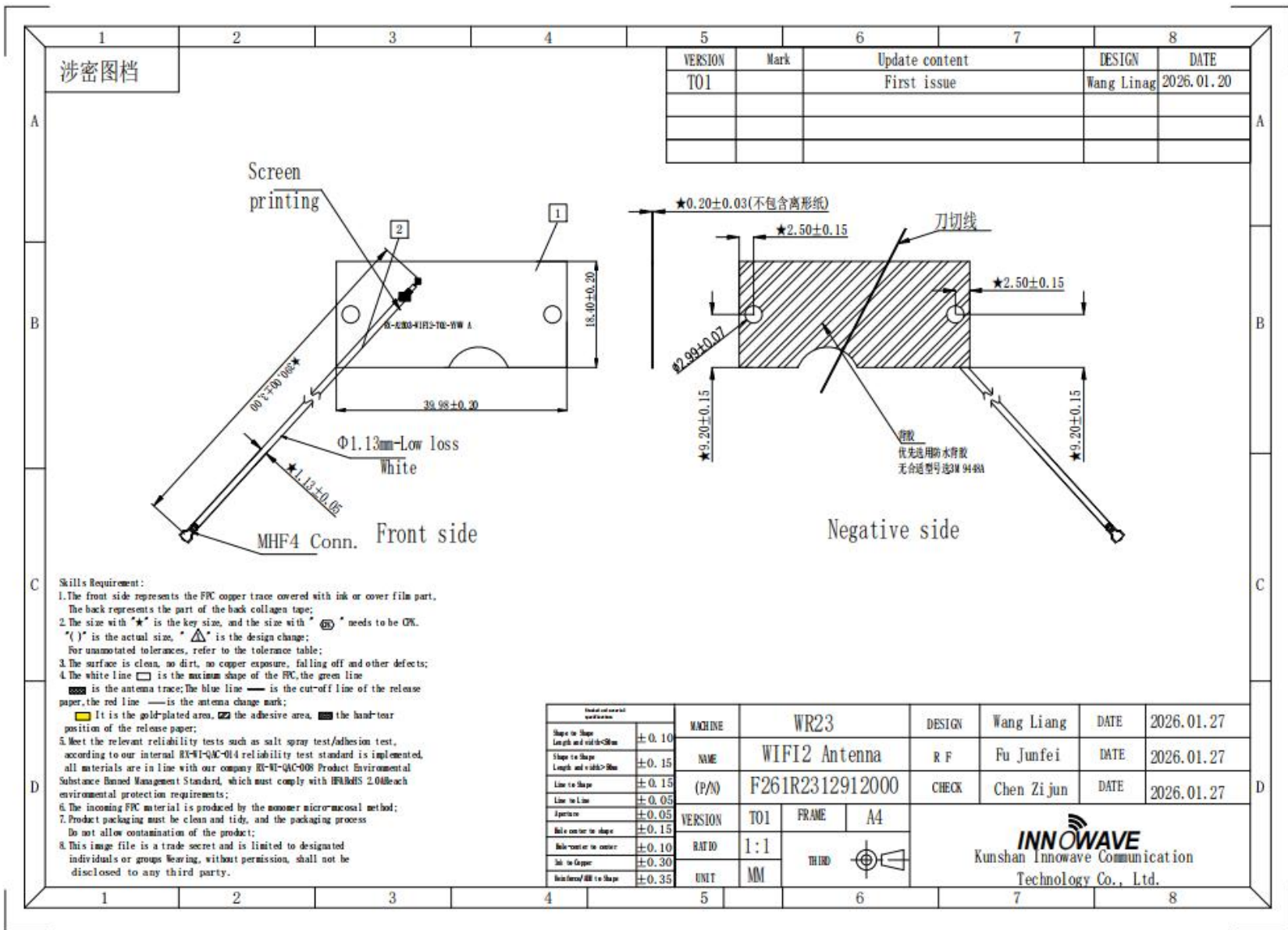
Antenna Drawings:G20 Cable



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Antenna Drawings:WIFI2 Antenna





Thanks
感谢观看