

1. WWAN Main antenna

(a) WWAN Main antenna information

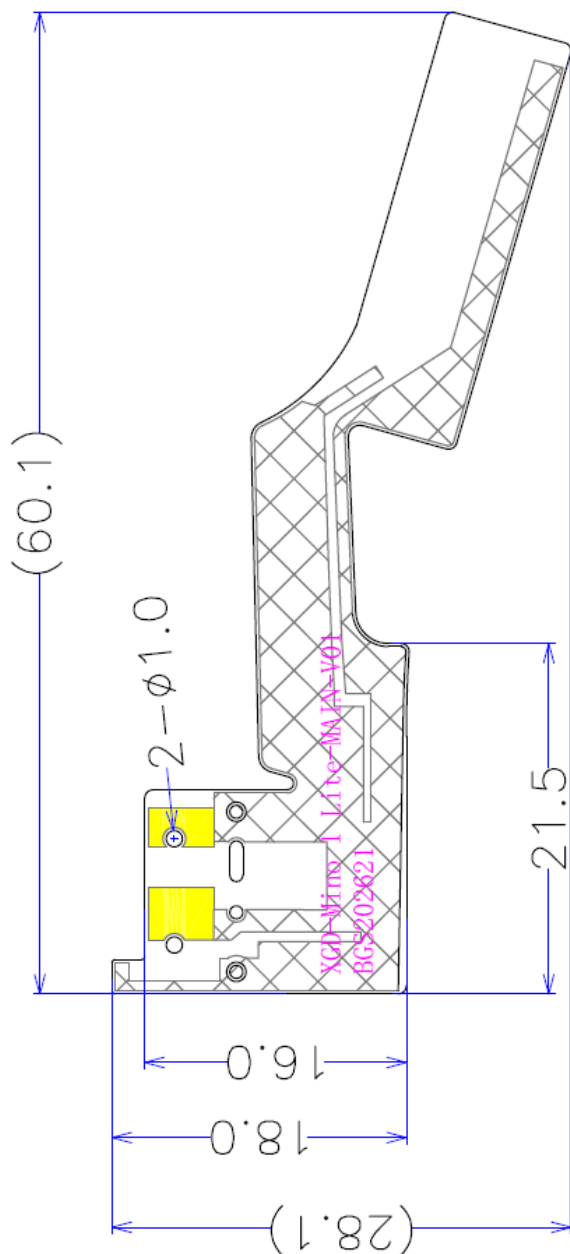
Manufacturer: Shenzhen Bogesi Communication Technology co.,Ltd.

Address: Room 308, Building B, Sabenol Building, No.19, Kekezhong 1st Road, Nanshan District, Shenzhen, Guangdong, China.

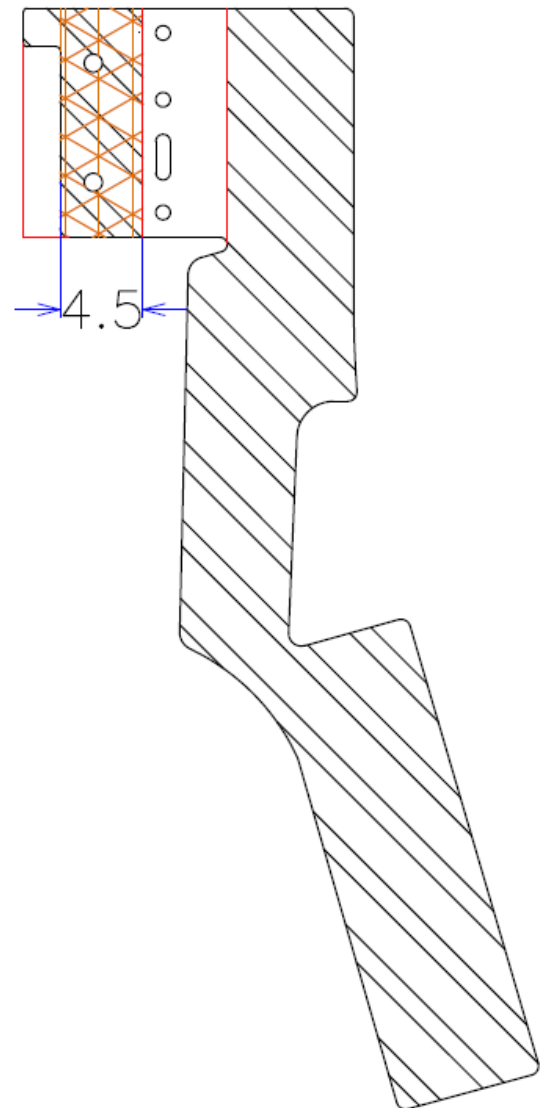
Antenna Type: FPC

Antenna Brand: Bogesi

Antenna Model: XGD-Mino 1 Lite-MAIN-V01



Front view



Back view

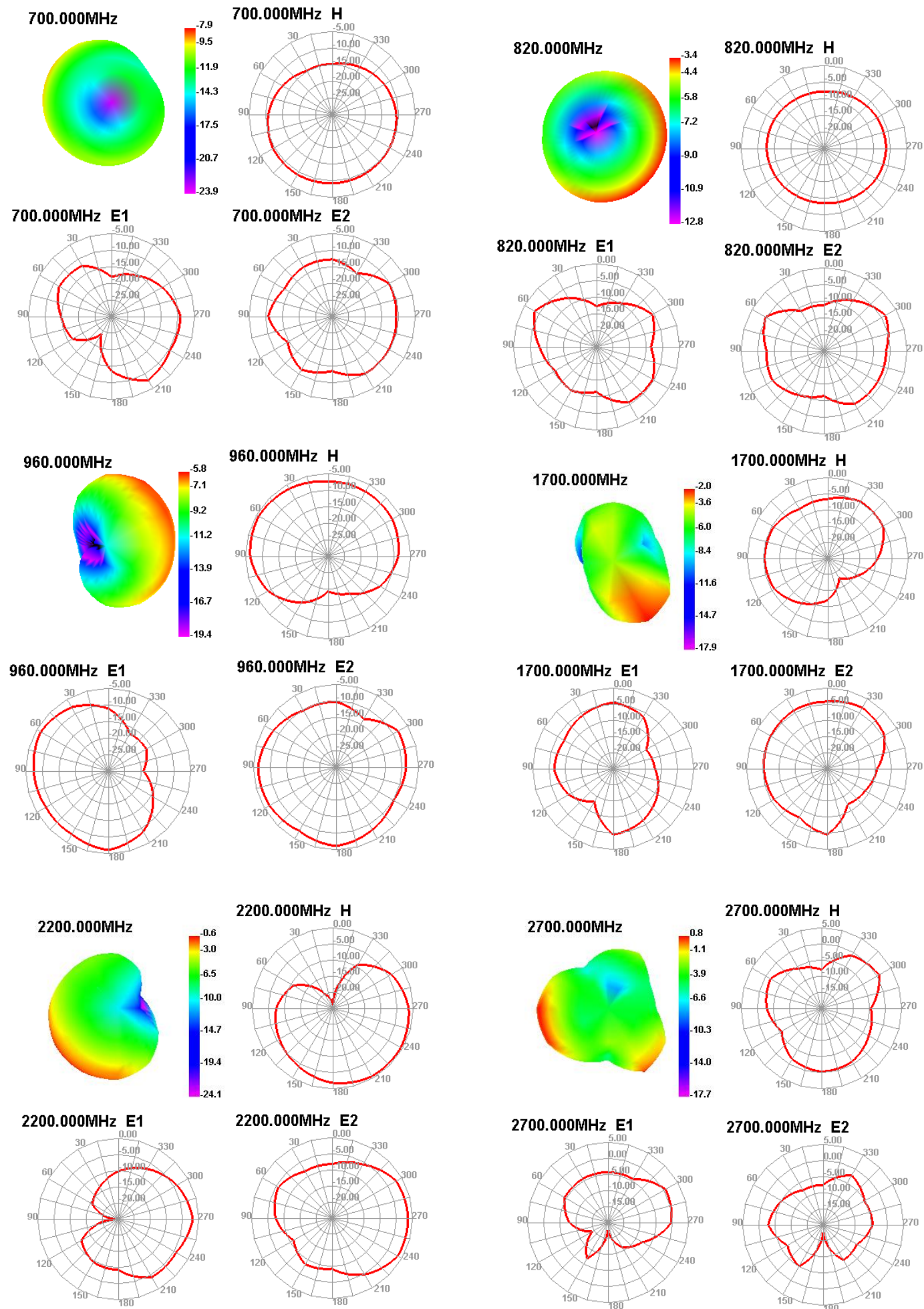
(b)Antenna Gain

Freq (MHz)	Gain (dBi)
700	-7.87
710	-7.31
720	-7.09
730	-6.45
740	-5.41
750	-4.94
760	-4.6
770	-4.63
780	-5.09
790	-4.99
800	-4.13
810	-3.73
820	-3.43
830	-3.35
840	-3.12
850	-3.33
860	-3.47
870	-3.47
880	-3.39
890	-3.53
900	-3.8
910	-4.33
920	-4.58
930	-5.08
940	-5.17
950	-5.35
960	-5.76

Freq (MHz)	Gain (dBi)
1700	-2
1720	-1.57
1740	-1.33
1760	-0.99
1780	-0.64
1800	-1.28
1820	-1.19
1840	-0.36
1860	-0.34
1900	0.04
1920	-0.49
1940	-1.84
1960	-1.41
1980	-1.98
2000	-1.11
2020	-0.68
2040	-0.84
2060	0.04
2080	-1.1
2100	-1.12
2120	-0.94
2140	-2.05
2160	-1.53
2180	-1.61
2200	-1.24

Freq (MHz)	Gain (dBi)
2220	-0.68
2240	-0.02
2260	0.3
2280	0.1
2300	0.53
2320	0.98
2340	0.43
2360	0.99
2380	0.67
2400	0.02
2420	0.05
2440	0.54
2460	0.52
2480	1.03
2500	1.31
2520	1.33
2540	1.35
2560	0.66
2580	0.67
2600	0.53
2620	0.69
2640	0.58
2660	0.73
2680	0.71
2700	0.75

(c) Directional diagram



2. WCN WiFi/BT antenna

(a) WCN WiFi/BT antenna information

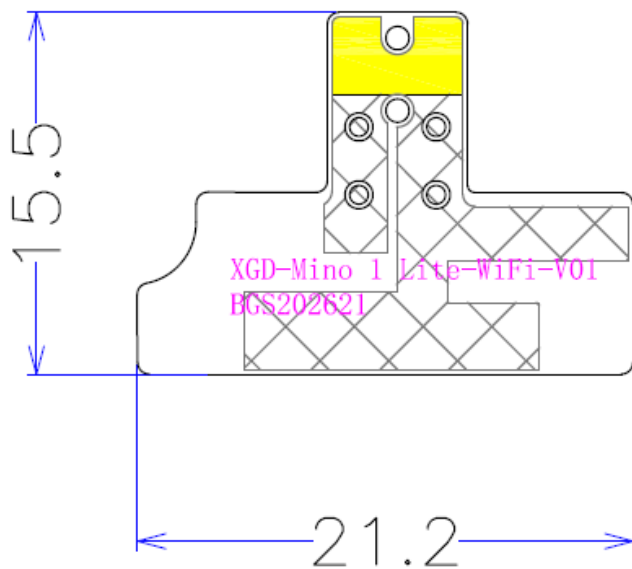
Manufacturer: Shenzhen Bogesi Communication Technology co.,Ltd.

Address: Room 308, Building B, Sabenol Building, No.19, Kekezhong 1st Road, Nanshan District, Shenzhen, Guangdong, China.

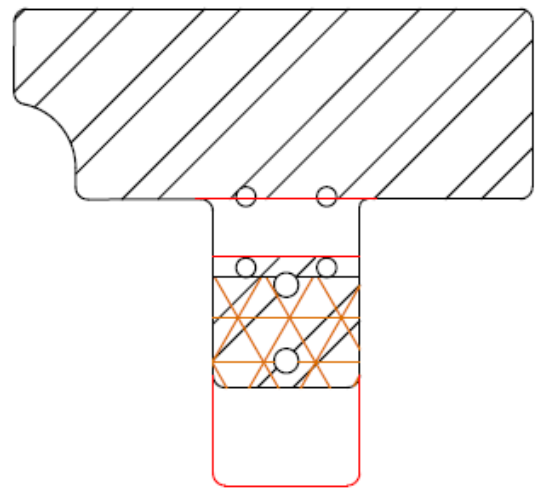
Antenna Type: FPC

Antenna Brand: Bogesi

Antenna Model: XGD-Mino 1 Lite-WiFi-V01



Front view



Back view

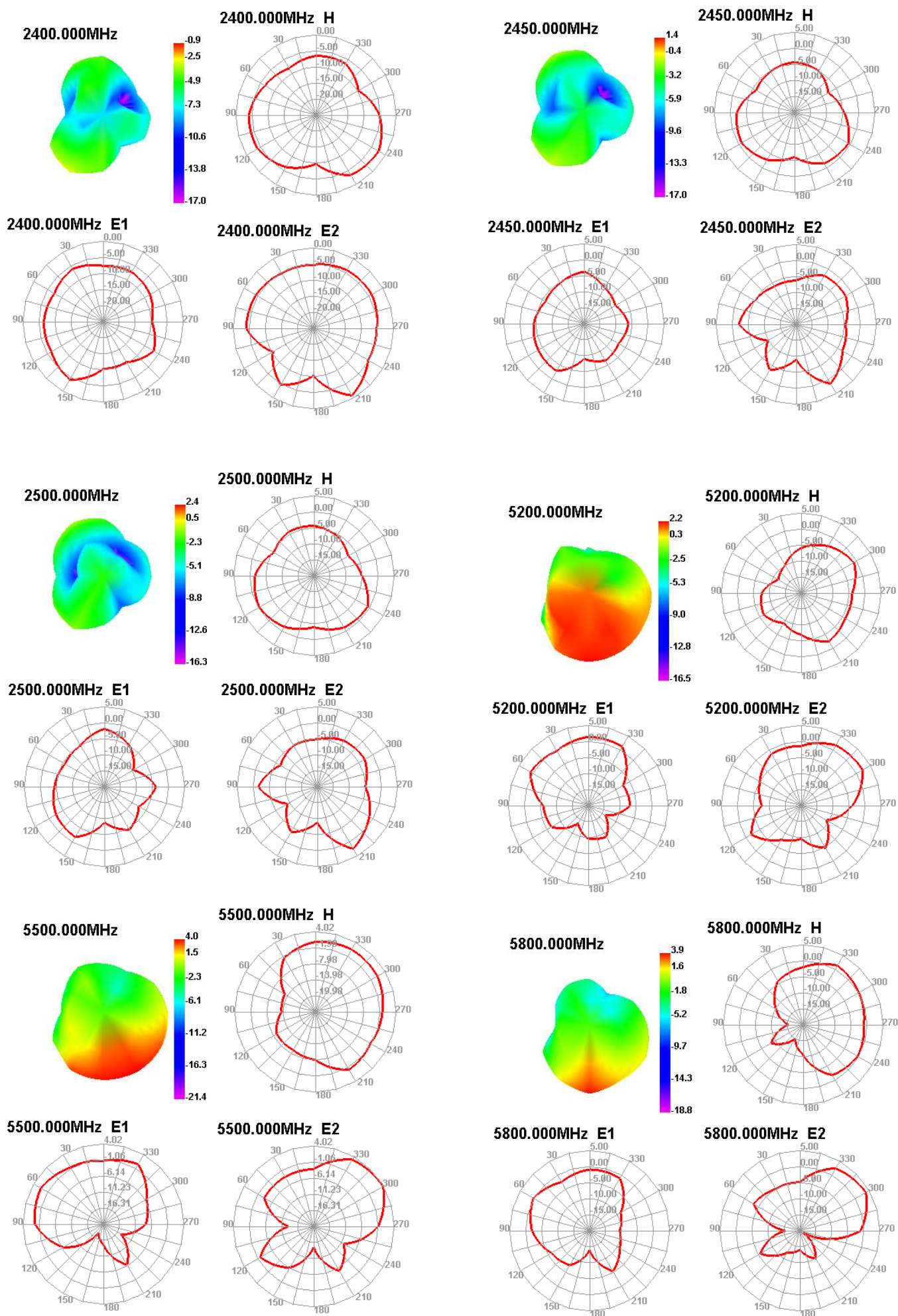
(b)Antenna Gain

Freq (MHz)	Gain (dBi)
2400	-0.93
2410	-0.57
2420	-0.07
2430	0.89
2440	1.37
2450	1.44
2460	1.44
2470	1.66
2480	2.13
2490	2.36
2500	2.37

Freq (MHz)	Gain (dBi)
5100	2.23
5120	2.21
5140	2.14
5160	2.16
5180	1.94
5200	2.19
5220	2.48
5240	2.47
5260	2.77
5280	3.04
5300	3.31
5320	3.76
5340	4.17
5360	4.32
5380	4.66
5400	4.66
5420	4.6
5440	4.6
5460	4.46
5480	4.08
5500	4.02

Freq (MHz)	Gain (dBi)
5520	4.15
5540	3.93
5560	3.7
5580	3.56
5600	4.03
5620	3.83
5640	3.97
5660	4.1
5680	3.88
5700	3.81
5720	3.87
5740	3.71
5760	3.93
5780	4.12
5800	3.87
5820	4.04
5840	4.1
5860	3.27
5880	3.46
5900	3.5

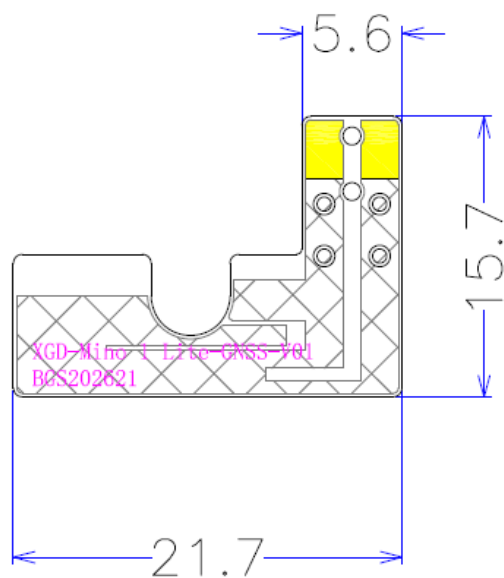
(c) Directional diagram



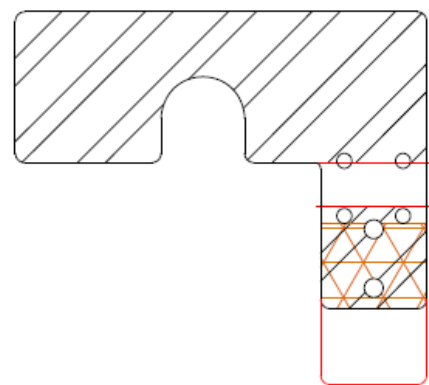
3. GNSS antenna

(a) GNSS antenna information

Manufacturer: Shenzhen Bogesi Communication Technology co.,Ltd.
Address: Room 308, Building B, Sabenol Building, No.19, Kekezhong 1st Road, Nanshan District, Shenzhen, Guangdong, China.
Antenna Type: FPC
Antenna Brand: Bogesi
Antenna Model: XGD-Mino 1 Lite-GNSS-V01



Front view



Back view

(b)Antenna Gain

Freq (MHz)	Gain (dBi)
1560	1.74
1561	1.81
1562	1.82
1563	1.85
1564	1.93
1565	1.94
1570	1.95
1571	1.92
1572	1.91
1573	1.89
1574	1.87
1575	1.84

Freq (MHz)	Gain (dBi)
1576	1.81
1577	1.79
1578	1.78
1579	1.77
1580	1.75
1600	1.7
1601	1.72
1602	1.73
1603	1.71
1604	1.7
1605	1.67

(c) Directional diagram

