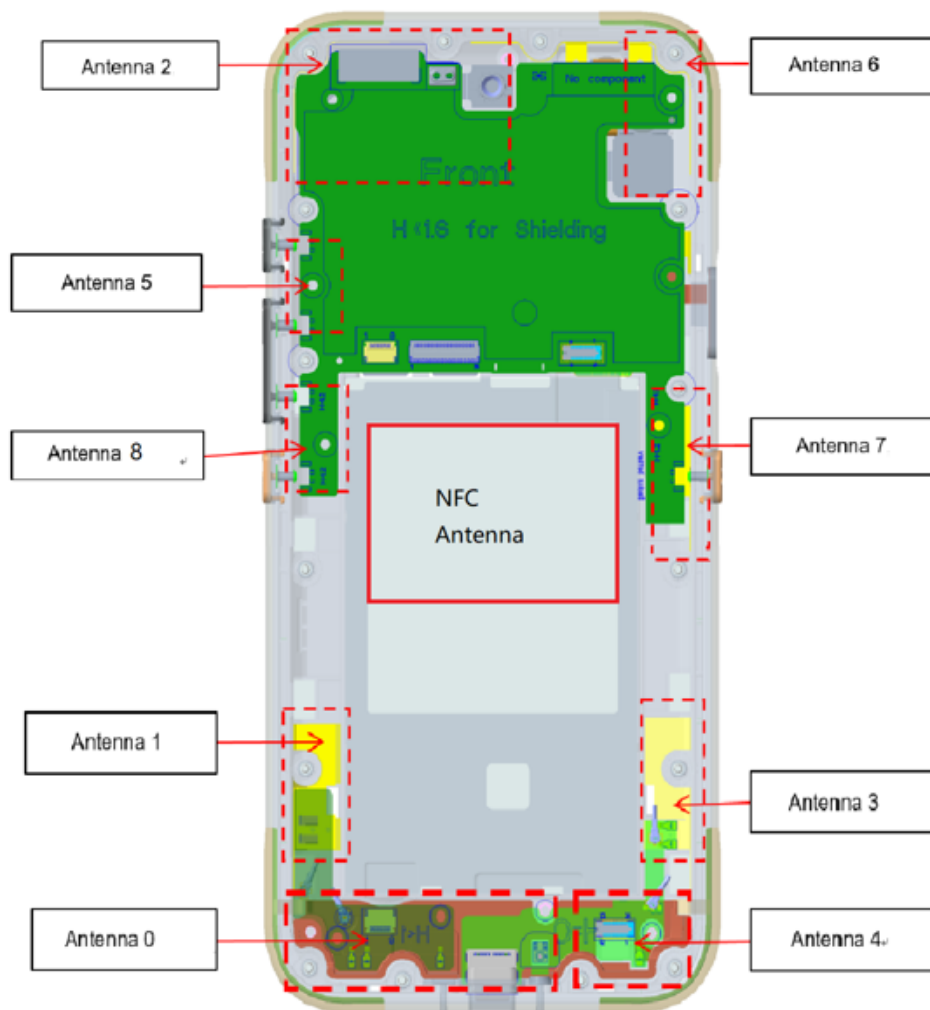


Product General Information:

Project Name	Juniper AR4
Antenna Model Name	BMZ50002722
Type and shape of antenna	PIFA Antenna
Directional characteristics	Omni-directional
Deflection Characteristics Of Antenna	Linear
Type of connection with transmitter	Antenna shrapnel
Manufacturer	Haitong Communication Electronics Co., Ltd. Room A405, Building A, Jingmeng Hi-Tech, No. 5, Shangdi East Road, Haidian District, Beijing, China
Produced by	Haitong Communication Electronics Co., Ltd. Room A405, Building A, Jingmeng Hi-Tech, No. 5, Shangdi East Road, Haidian District, Beijing, China

1. Antenna Distribution



Front view (Front cover removed)

Antenna No.	Function	Frequency	RF Bands/frequency
Ant 0	LB TRX0	617 – 960 MHz	LTE: B5/B26, B8, B12, B13, B14, B19, B20, B28, B71 FR1: n5, n28, n71
	MHB TRX0	1710–2200 MHz	LTE: B1, B2 (25), B3, B4 (B66), B7, B30, B38, B40, B41 FR1: n1, n2, n25, n41, n66
Ant 1	MHB MIMO PRX	1710–2690 MHz	LTE: B1, B2 (25), B3, B4 (B66), B7, B30, B38, B40, B41 FR1: n1, n2, n25, n41, n66
	n77/n78/n79 DRX	3300 – 5000 MHz	FR1: n77, n78, n79
Ant 2	LB DRx	617 – 960 MHz	LTE: B5/B26, B8, B12, B13, B14, B19, B20, B28, B71 FR1: n5, n28, n71
	MHB DRx	1710–2690 MHz	LTE: B1, B2 (25), B3, B4 (B66), B7, B30, B38, B40, B41 FR1: n1, n2, n25, n41, n66
Ant 3	MHB MIMO DRX	1710–2690 MHz	LTE: B1, B2 (25), B3, B4 (B66), B7, B30, B38, B40, B41 FR1: n1, n2, n25, n41, n66
Ant 4	n77/n78/n79 MIMO PRX	3300 – 5000 MHz	FR1: n77, n78, n79

Ant 5	GPS L5	1166 – 1229 MHz	L5
	n77/n78/n79 MIMO DRX	3300 – 5000 MHz	FR1: n77, n78, n79
Ant 6	GPS L1	1565 – 1610 MHz	L1
	2.4G WLAN CHO/BT	2401 – 2495 MHz	2.4G WIFI
	5G WLAN CH0	5150 – 7125 MHz	5G WIFI
Ant 7	n77/n78/n79 TRX	3300 – 4200 MHz	FR1: n77, n78, n79
Ant 8	2.4G WLAN CH1	2401 – 2495 MHz	2.4G WIFI
	5G WLAN CH1	5150 – 7125 MHz	5G WIFI

2. Antenna Gain: (Main frequency)

ANTO		
Frequency Band (MHz)		Antenna Gain (dBi)
LTE-FDD-B1	1920-1980	-0.81
LTE-FDD-B2	1850-1910	-0.63
LTE-FDD-B3	1710-1785	-2.15
LTE-FDD-B4	1710-1755	-2.32
LTE-FDD-B5	824-849	-2.36
LTE-FDD-B7	2500-2570	0.6
LTE-FDD-B8	880-915	-2.97
LTE-FDD-B12	699-716	-4.18
LTE-FDD-B13	777-787	-3.37
LTE-FDD-B14	788-798	-3.17
LTE-FDD-B19	830-845	-2.36
LTE-FDD-B20	832-862	-2.34
LTE-FDD-B25	1850-1915	-0.63
LTE-FDD-B26	814-849	-2.36
LTE-FDD-B28	703-748	-4.04
LTE-FDD-B30	2305-2315	1.6
LTE-FDD-B66	1710-1780	-2.15
LTE-FDD-B71	663-698	-4.12
LTE-TDD-B38	2570-2620	0.26
LTE-TDD-B40	2300-2400	1.97
LTE-TDD-B41	2496-2690	0.6

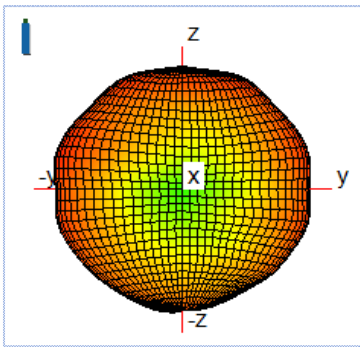
ANT7		
Frequency Band (MHz)		Antenna Gain(dBi)
NR-TDD-N77	3300-4200	-0.38
NR-TDD-N78	3300-3800	-0.38
NR-TDD-N79	4400-5000	-3.14

ANT6 (WLAN-CH0)		
Frequency Band (MHz)		Antenna Gain(dBi)
WIFI-B	2400-2500	1.24
WIFI-A	5150-5850	-1.48
WIFI-6E	5925-6425	-1.64
	6425-6525	-5.07
	6525-6875	-6.92
	6875-7125	-6.26

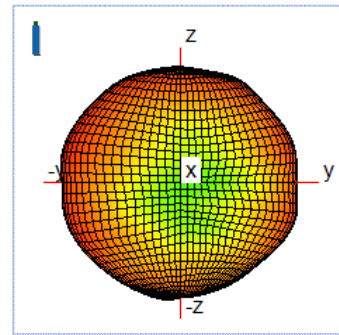
ANT8 (WLAN-CH1)		
Frequency Band (MHz)		Antenna Gain(dBi)
WIFI-B	2400-2500	-3.21
WIFI-A	5150-5850	2.74
WIFI-6E	5925-6425	-0.55
	6425-6525	-1.44
	6525-6875	-1.77
	6875-7125	-2.93

3. 3D Map

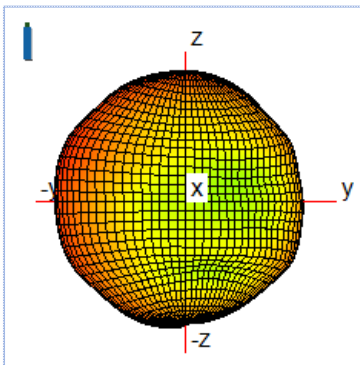
680MHz



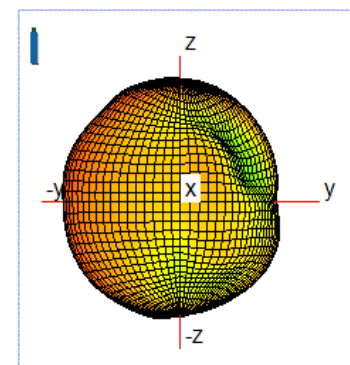
700MHz



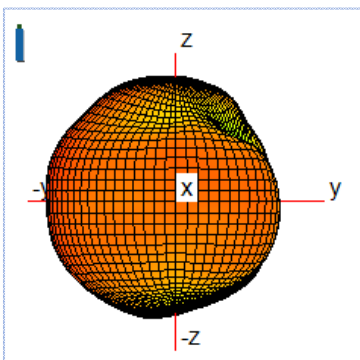
780MHz



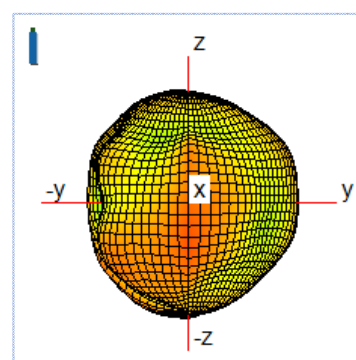
840MHz



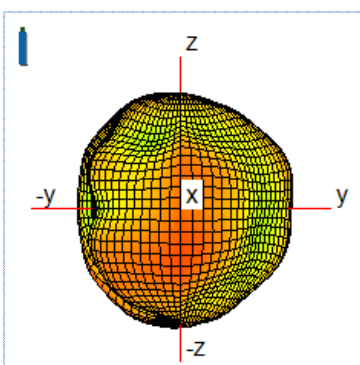
900MHz



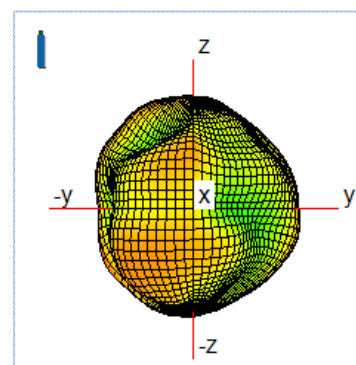
1720MHz



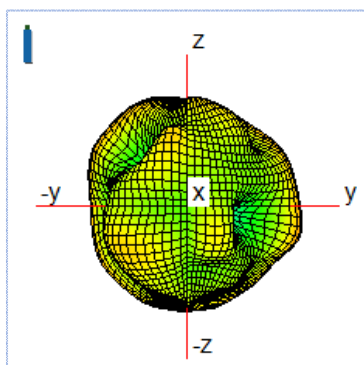
1740MHz



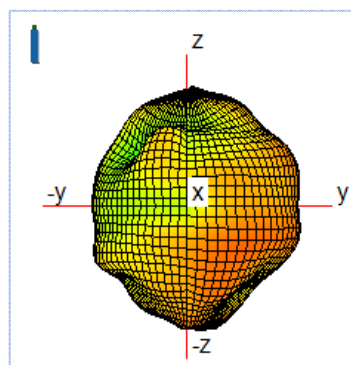
1880MHz



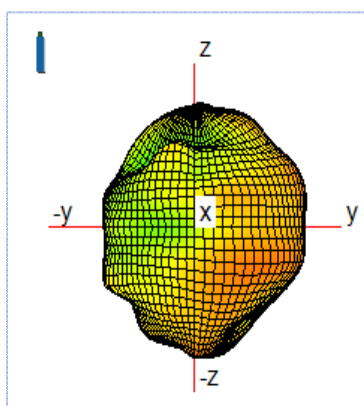
1940MHz



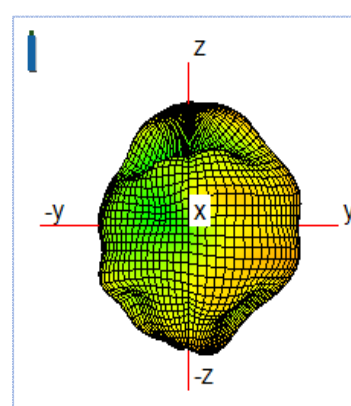
2320MHz



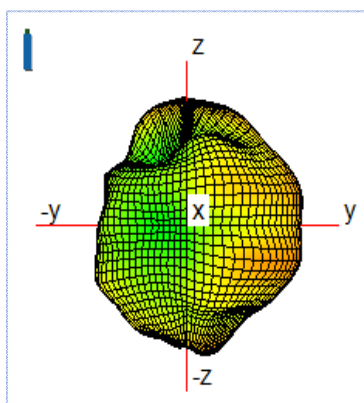
2340MHz



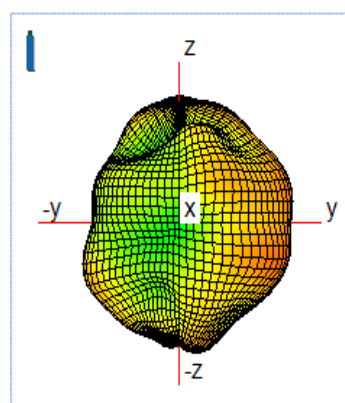
2500MHz



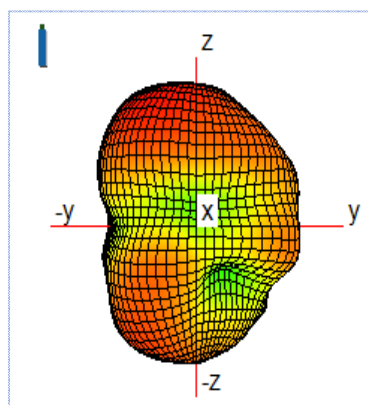
2580MHz



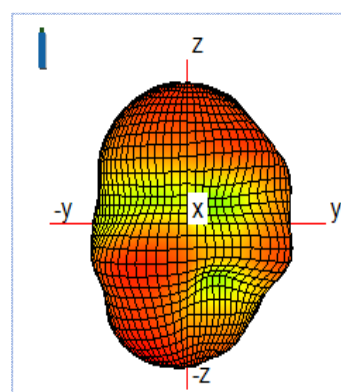
2680MHz



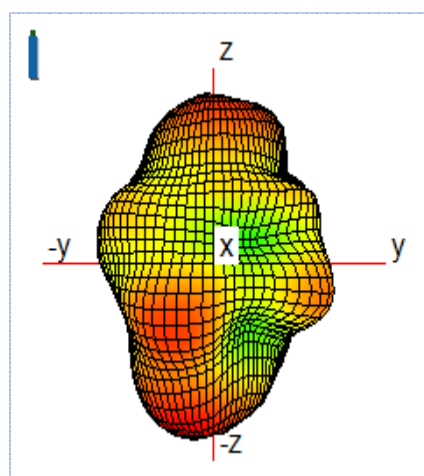
3350MHz



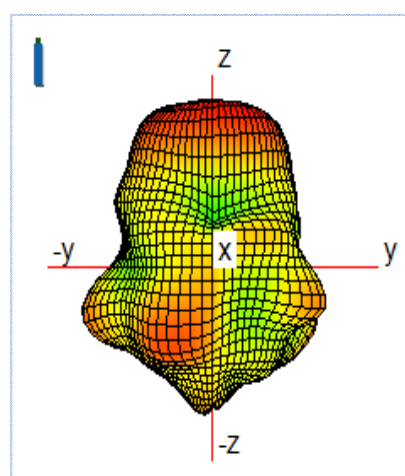
3550MHz



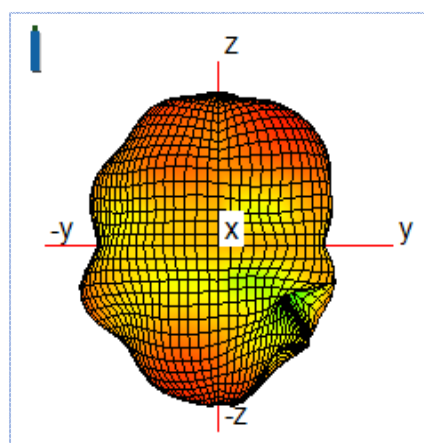
3750MHz



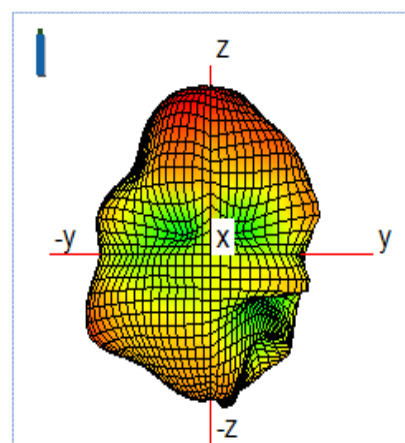
4150MHz



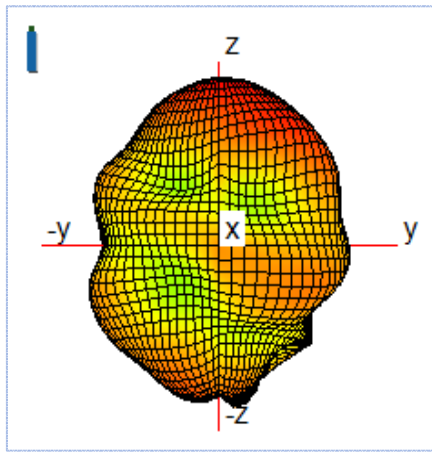
4450MHz



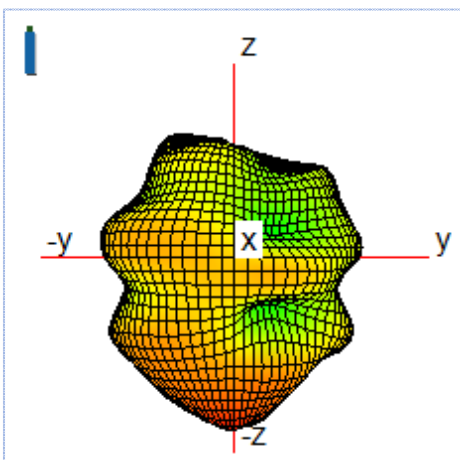
4700MHz



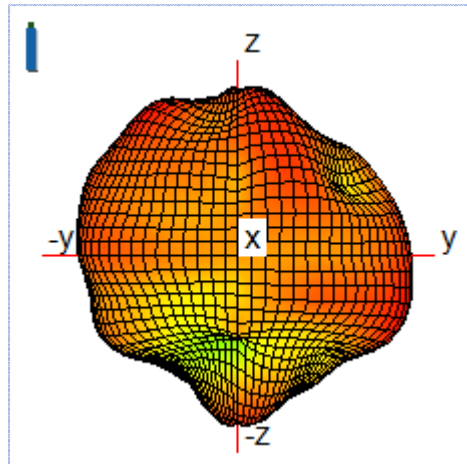
4950MHz



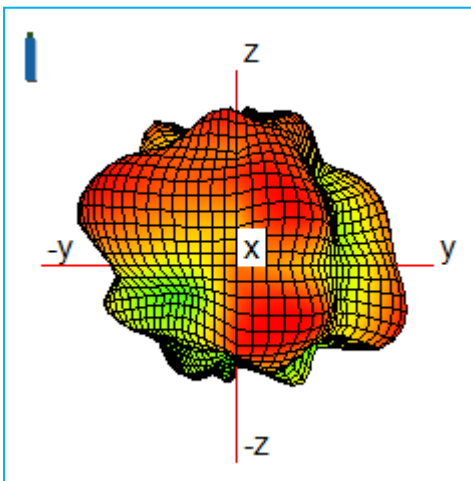
2450MHz(WLAN-CH0)



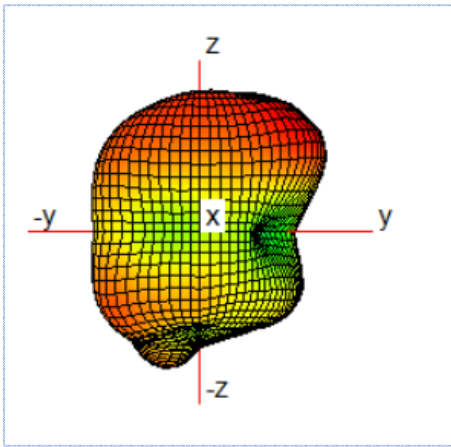
5500MHz(WLAN-CH0)



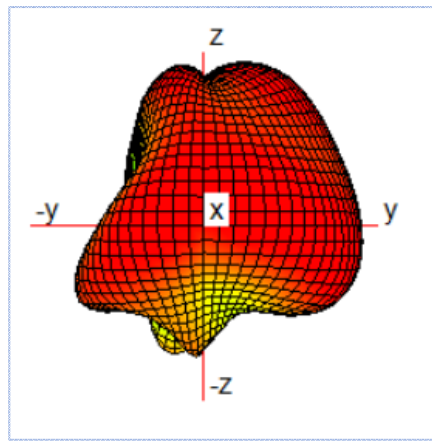
6520MHz(WLAN-CH0)



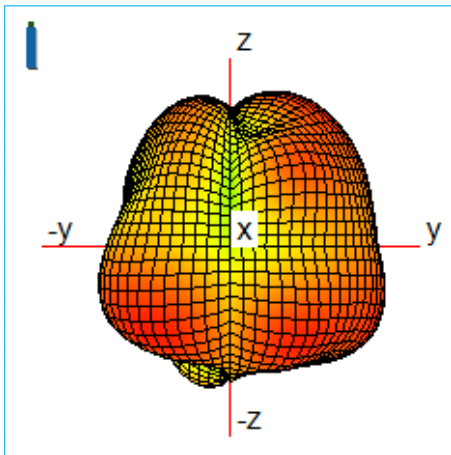
2450MHz(WLAN-CH1)



5500MHz(WLAN-CH1)



6520MHz(WLAN-CH1)



4. Antenna Pattern

