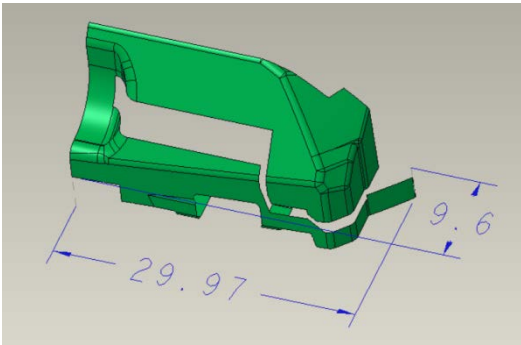
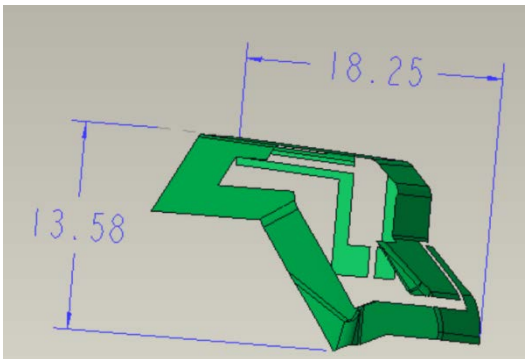
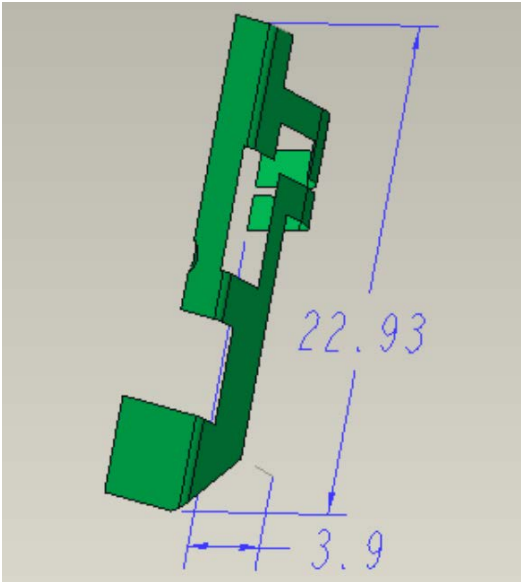
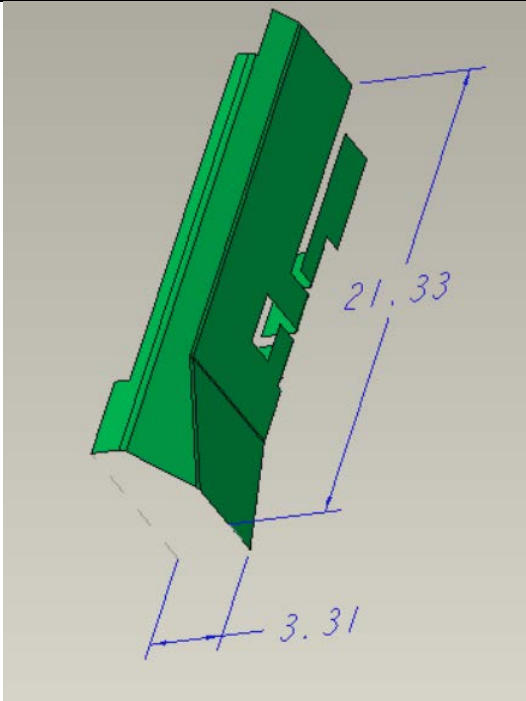
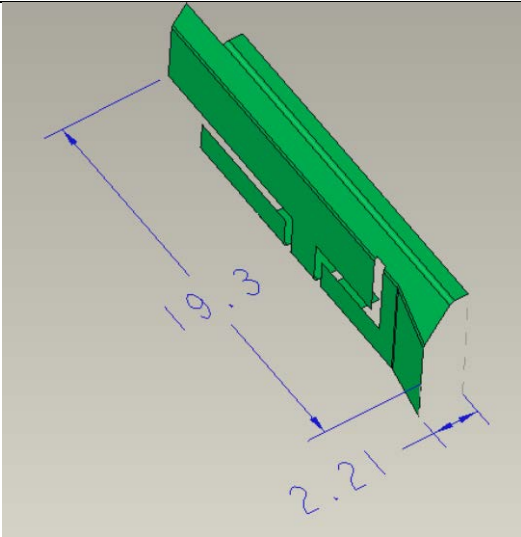
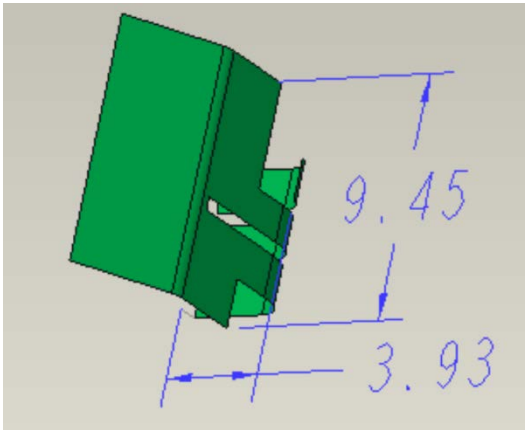
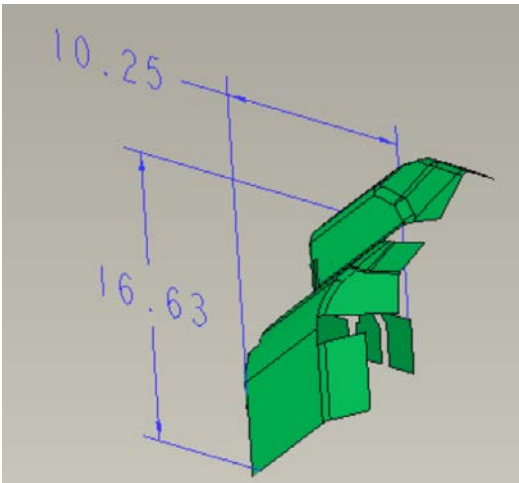
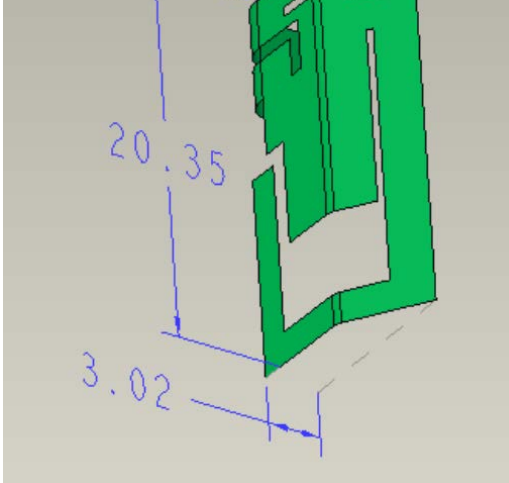


Technical Specification			
Antenna Mode	M23HE	Manufactured	Shenzhen 3Good Wireless Communication Co.,LTD.
Address	Room501-508, Jinfulai Building No.49-1Dabao Road,BaoAn,ShenZhen, GuangDong		
Size & Picture			
	Ant0-GSM/WDMA/LTE/NR main: 2.97*9.6*17.08mm PIFA		Ant1- GSM/WDMA/LTE/NR div: 13.58*18.25*16.92mm PIFA
			
	Ant2- NR sub6: 22.93*3.9*16.92mm PIFA		Ant3- LTE/NR div: 21.33*3.31*9.52mm PIFA
			
	Ant4-LTE/NR div: 19.3*2.21*9.52mm PIFA		Ant5- LTE/NR div: 9.45*3.93*16.92mm PIFA

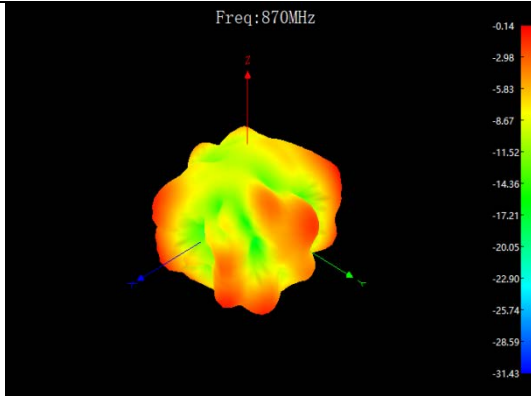
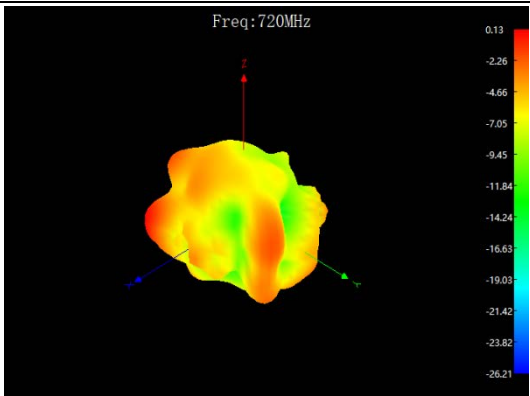
	 3D model of the Ant6 antenna structure. The model is green and shows a complex, multi-layered design. Two dimensions are indicated with blue arrows: 10.25 (width) and 16.63 (height).	 3D model of the Ant7 antenna structure. The model is green and shows a complex, multi-layered design. Two dimensions are indicated with blue arrows: 20.35 (width) and 3.02 (height).
	Ant6- GWB: 16.63*10.25*16.92mm PIFA	Ant7- GWB:20.35*3.02*16.92mm PIFA

Technical Specification							
Band		Mode	Name	Frequency	Antenna Type	Antenna Max Gain	
GSM Band	☒ Band-5 GSM 850			824-894	PIFA	-0.14	dBi
	☒ Band-8 GSM 900			880-960		0.12	
	☒ Band-3 DCS 1800			1710-1880		1.83	
	☒ Band-2 PCS 1900			1850-1990		2.25	
CDMA Band	☒ BC-0 800		800 MHz	815-894	PIFA		dBi
	☒ BC-1 1900		1900 MHz	1850-1990			
	☒ BC-10 800		Secondary 800 MHz	806-940			
UMTS Band	☒ Band-1 2100		IMT	1920-2170	PIFA	1.19	dBi
	☒ Band-2 1900		PCS A-F	1850-1990		2.25	
	☒ Band-4 1700/2100		AWS A-F	1710-2155		1.83	
	☒ Band-5 850		CLR	824-894		-3.64	
	☒ Band-6 800		UMTS 800	830-885		-0.14	
	☒ Band-8 900		E-GSM	880-960		0.12	
	☒ Band-19 800		LB 800	830-890		-0.14	
LTE Band	☒ Band-1 2100	FDD	IMT	1920-2170	PIFA	1.19	dBi
	☒ Band-2 1900	FDD	PCS	1850-1990		2.25	
	☒ Band-3 1800	FDD	DCS	1710-1880		1.83	
	☒ Band-4 1700/2100	FDD	AWS	1710-2155		1.83	
	☒ Band-5 850	FDD	CLR	824-894		-0.14	
	☒ Band-7 2600	FDD	IMT-E	2500-2690		2.25	
	☒ Band-8 900	FDD	EGSM	880-960		0.12	
	☒ Band-12 700	FDD	LSMH	699-746		0.13	
	☐ Band-13 700	FDD	USMH	746-787			
	☒ Band-17 700	FDD	LSMH	704-746		0.13	
	☒ Band-18 800	FDD	Lower 800	815-875		-0.14	
	☒ Band-19 800	FDD	Upper 800	830-890		-0.14	
	☒ Band-20 800	FDD	EUDD	791-862		-0.14	
	☒ Band-25 1900	FDD	EPCS	1850-1995		2.25	
	☒ Band-26 850	FDD	ECLR	814-894		-0.14	
	☒ Band-28 700	FDD	APT	703-803		0.13	
	☒ Band-34 2000	TDD	IMT	2010-2025		2.25	
	☒ Band-38 2600	TDD	IMT-E	2570-2620		2.25	
	☒ Band-39 1900	TDD	DCS–IMT Gap	1880-1920		2.25	
	☒ Band-40 2300	TDD	S-Band	2300-2400		2.2	
	☒ Band-41 2500	TDD	BRS	2496-2690		2.25	
	☒ Band-66 1700	FDD	Extended AWS	1710-2200		1.83	
	☐ Band-71 600	FDD	USDD	617-698			

Technical Specification							
Band		Mode	Name	Frequency	Antenna Type	Antenna Max Gain	
NR	☒ n1 2100	FDD	IMT	1920-2170	PIFA	1.19	dBi
	☐ n2 1900	FDD	PCS	1850-1990			
	☒ n3 1800	FDD	DCS	1710-1880		1.83	
	☐ n5 850	FDD	CLR	824-894			
	☒ n7 2600	FDD	IMT-E	2500-2690		2.25	
	☐ n8 900	FDD	Extended GSM	880-960			
	☐ n12 700	FDD	Lower SMH	699-746			
	☐ n13 700	FDD	Upper SMH	746-787			
	☐ n20 800	FDD	Digital Dividend	791-862			
	☒ n28 700	FDD	APT	703-803		0.13	
	☒ n38 2600	TDD	IMT-E	2570-2620		2.25	
	☒ n41 2500	TDD	BRS	2496-2690		2.25	
	☐ n66 2100	FDD	Extended AWS	1710-2200			
	☐ n71 600	FDD	Digital Dividend	617-698			
	☒ n77 3700	TDD	C-Band	3300-4200		3.69	
	☒ n78 3500	TDD	C-Band	3300-3800		3.32	
	☐ n79 4700	TDD	C-Band	4400-5000			
WiFi	☒ 802.11b/g/n	2.4GHz	Wi-Fi 4	2401-2495	PIFA	-1.55	dBi
	☒ 802.11a/n/ac/ax	5GHz	Wi-Fi 5/6	4910-5895		2.24	
	☐ 802.11ax	6GHz	Wi-Fi 6E	5925-7125			
WiFi MIMO	☒ 802.11b/g/n	2.4GHz	Wi-Fi 4	2401-2495	PIFA	0.11	dBi
	☒ 802.11a/n/ac/ax	5GHz	Wi-Fi 5/6	4910-5895		2.33	
	☐ 802.11ax	6GHz	Wi-Fi 6E	5925-7125			
BT	☒ Bluetooth			2400-2500	PIFA	-1.54	dBi
GPS	☒ Gps L1 Band			1575.42	PIFA	-2.55	dBi
	☐ Gps L2 Band			1227.6			
	☒ Gps L5 Band			1176.45		-5.76	

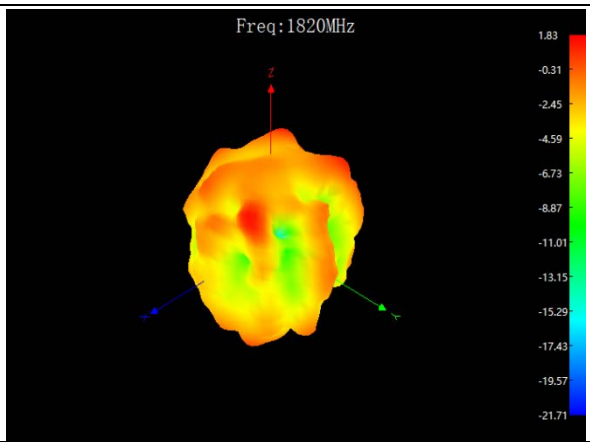
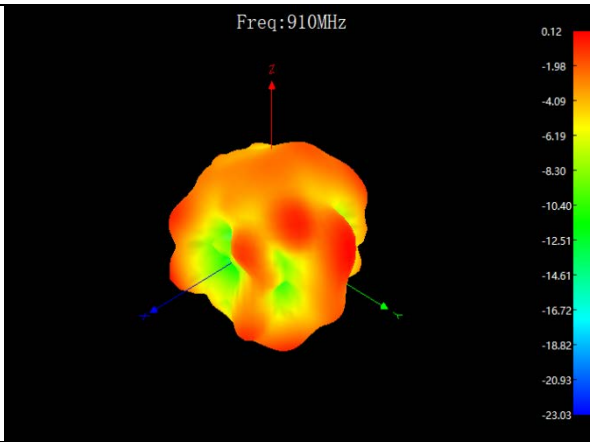
Technical Specification

Ant0 3-D Patten Plots



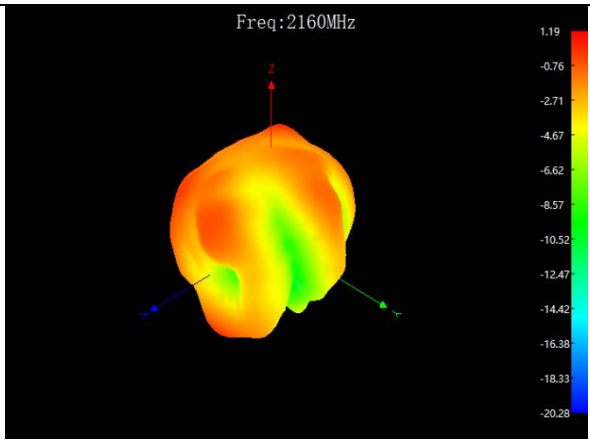
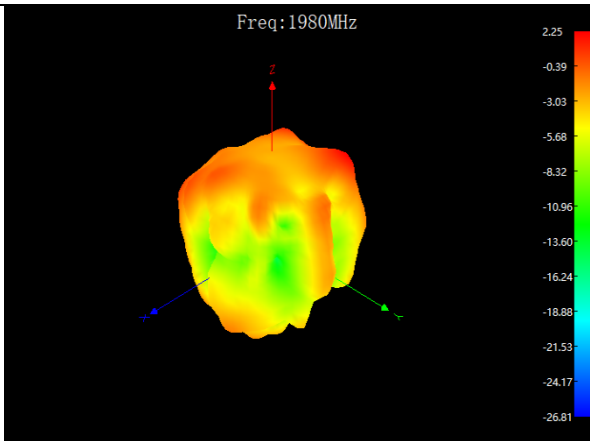
Ant0: 700Mhz

Ant0: 800Mhz



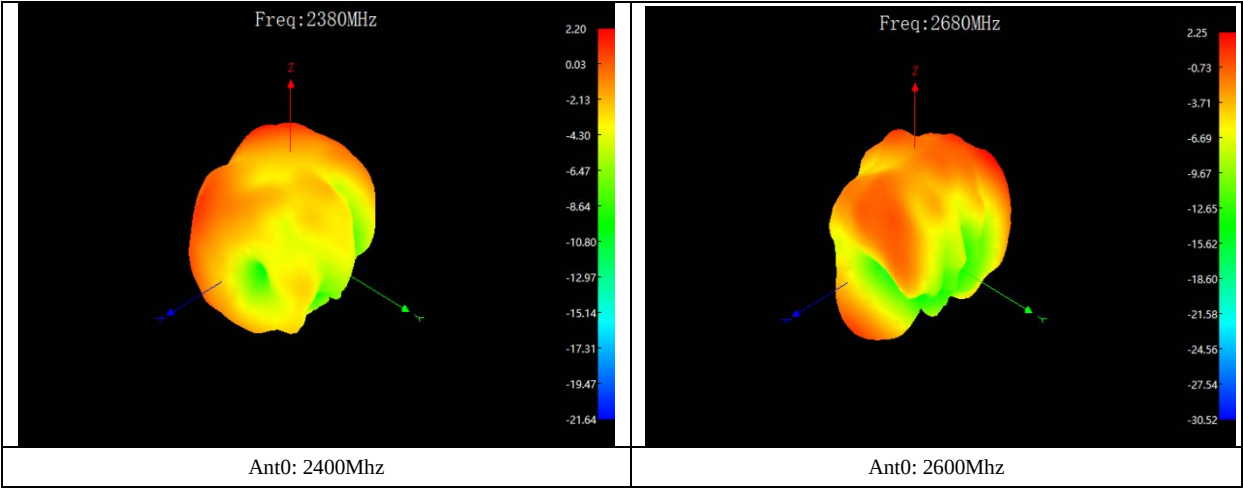
Ant0: 900Mhz

Ant0: 1700Mhz



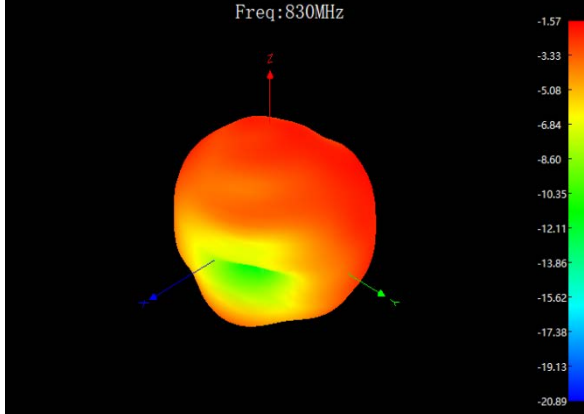
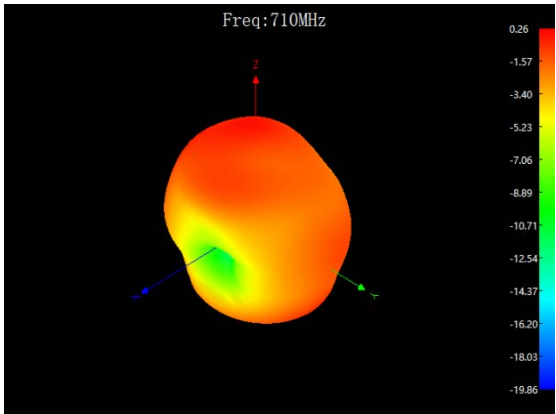
Ant0: 1900Mhz

Ant0: 2100Mhz



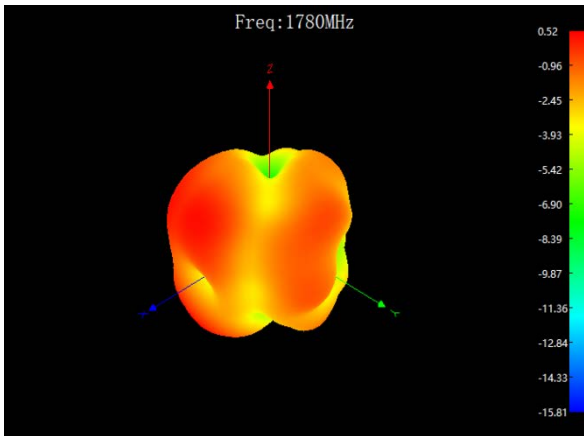
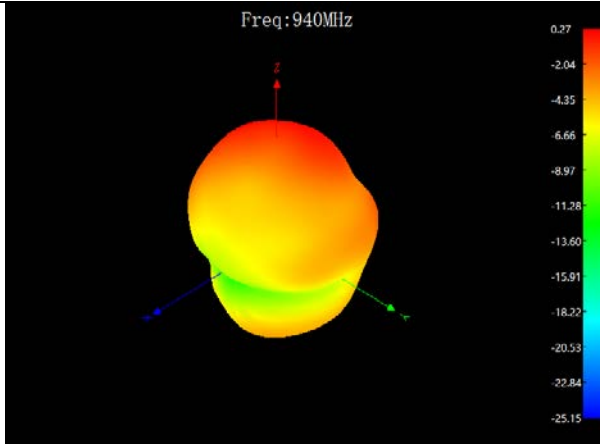
Technical Specification

Ant1 3-D Patten Plots



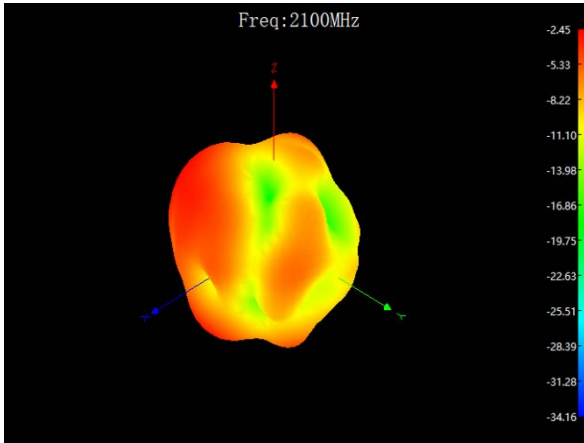
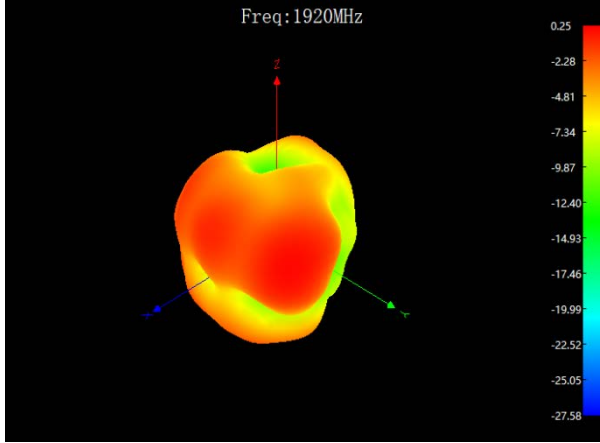
Ant1: 700Mhz

Ant1: 800Mhz



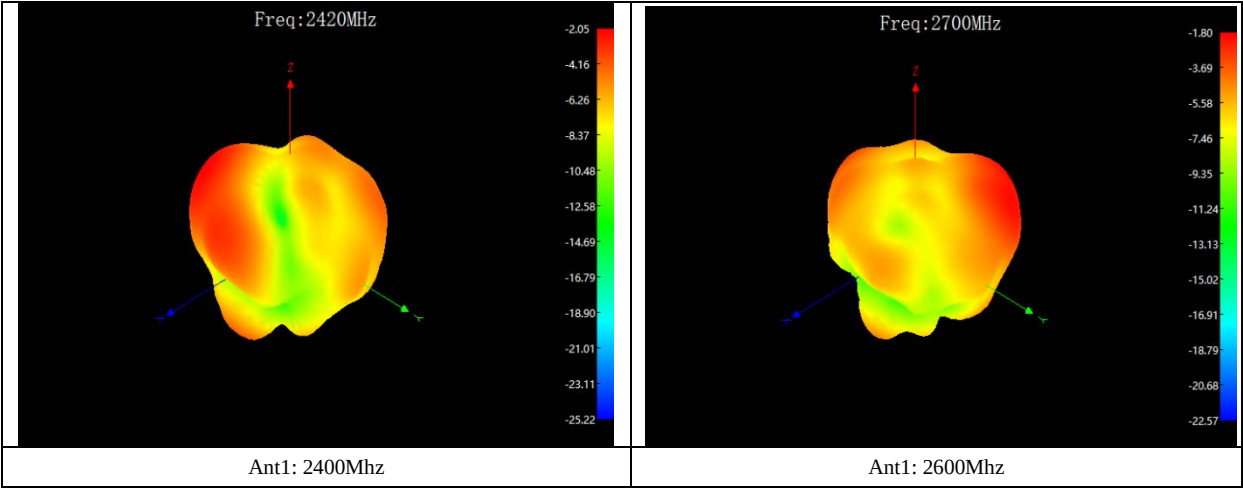
Ant1: 900Mhz

Ant1: 1700Mhz



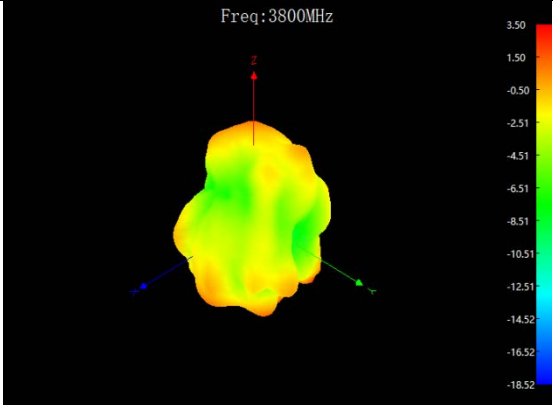
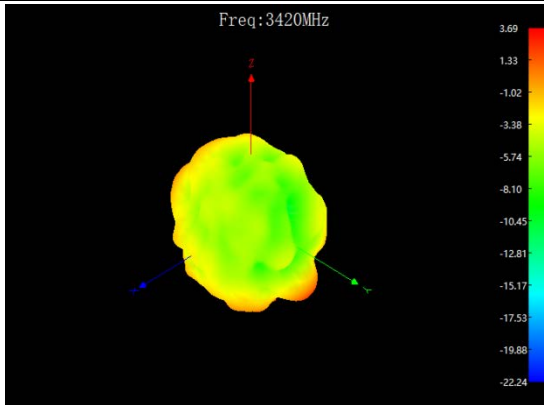
Ant1: 1900Mhz

Ant1: 2100Mhz

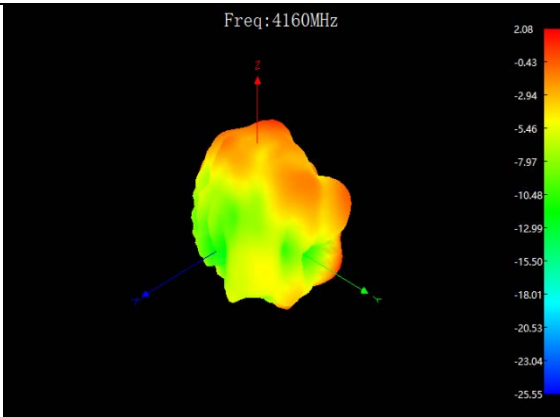


Technical Specification

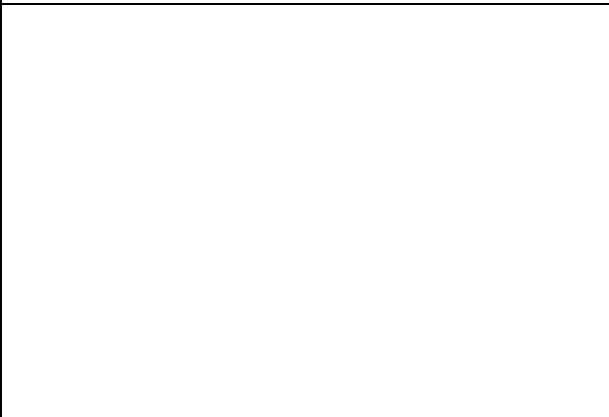
Ant2 3-D Patten Plots



Ant2:3300Mhz

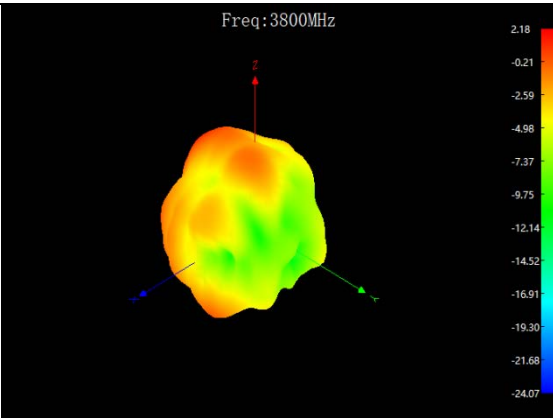
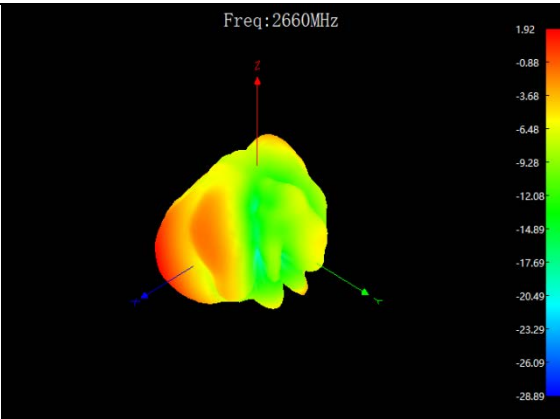


Ant2: 3800Mhz



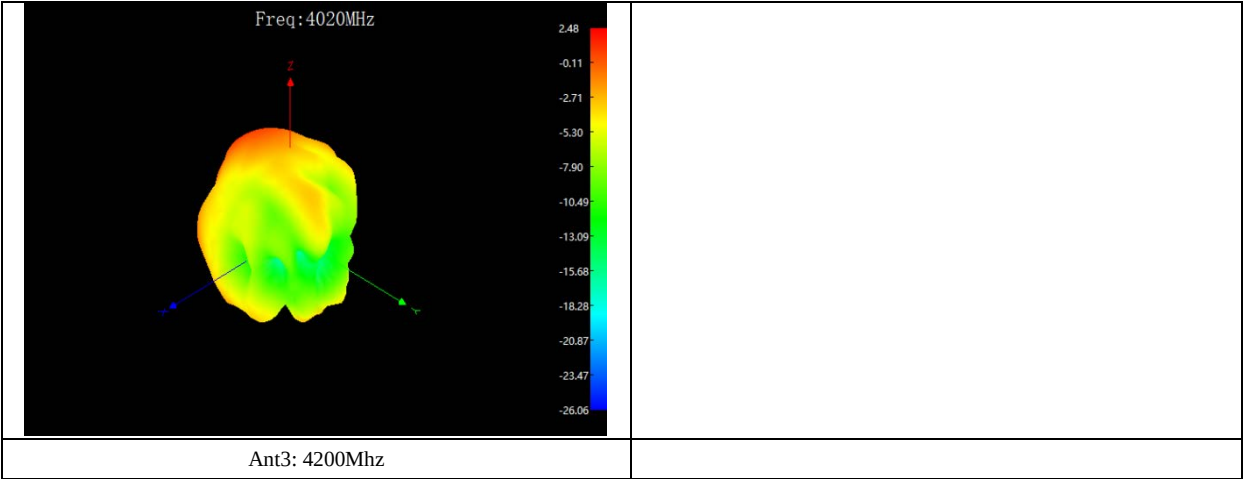
Ant2: 4200Mhz

Ant3 3-D Patten Plots



Ant3: 2600Mhz

Ant3: 3300Mhz



Technical Specification

