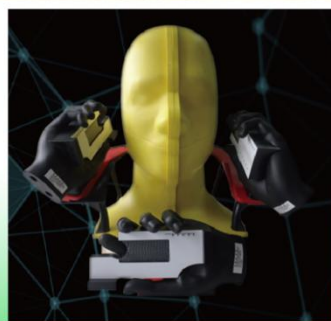
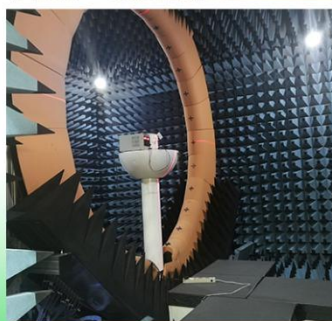
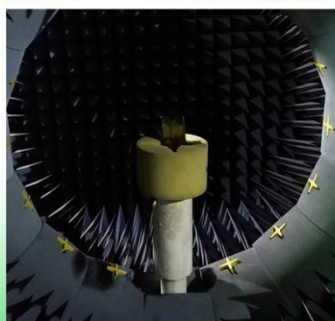
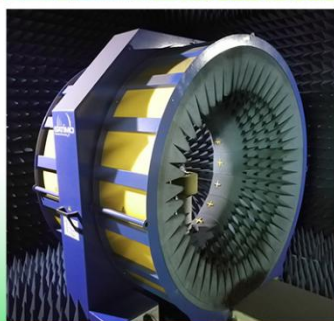


ANWEI commnuication Equipment Co.,Ltd

APPROVAL SHEET

Customer	Youmi	Specs	G20
Part Number	G20-MAIN-AW G20-DIV-AW G20-2.4GWIFI/GPS/5GWI FI-AW G20-NFC-AW	Frequency Band	2G:GSM850/900/1800/1900 3G:WCDMA-B1/2/4/5/8 4G:LTE-B1/2/3/4/5/7/8/12/13/17/18/19/20/25/ 26/28A/28B/38/40/41/66/71
Color	Black	Edition	REV:A0
Salesperson	Mr.Xie	Design	Zong Zhi Hui
Structure	Qin Yun Lin		
Date	2024/10/16		
ANT Manufacturers: ANWEI commnuication Equipment Co.,Ltd Address:2nd Floor, East Block, Building 5, Yifenghua Innovation Industrial Park, Huaning Road, Dalang Street, Longhua District, Shenzhen City, Guangdong Province			

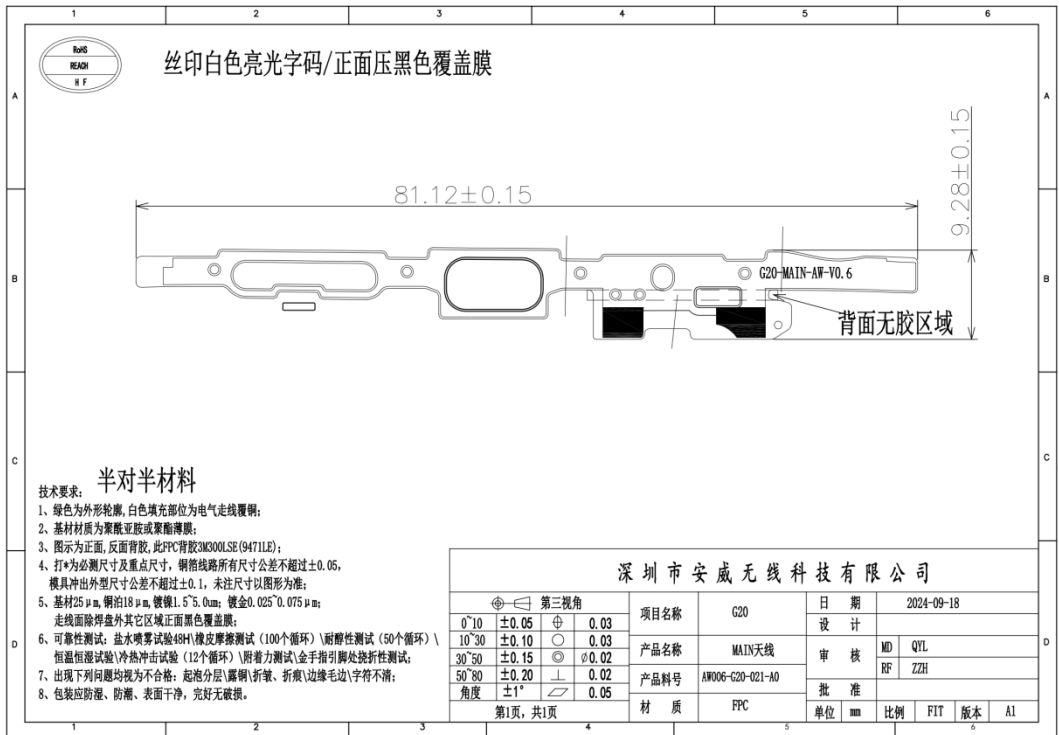
Project development environment



安威无线一直都是您值得信赖且优秀的合作伙伴，我们为您提供全方位一站式的的产品以及技术服务！

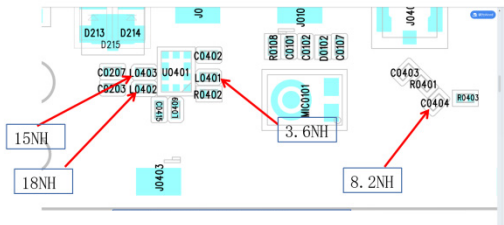
“质量第一，服务至上”是安威一直以来的发展宗旨

(Antenna 0)



(Working frequency band): 600MHZ~960MHZ
2G:GSM850/900
3G:WCDMA-B5/8
4G:LTE-B5/8/12/13/17/18/19/20/26/28A/28B/71

(Matcheing network):



(Antenna 1)



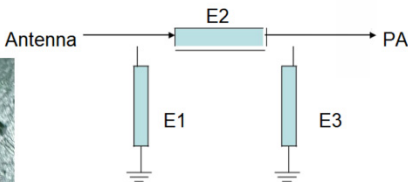
(Working frequency band):1710~2690MHZ

2G:GSM1800/1900

3G:WCDMA-B1/2/4

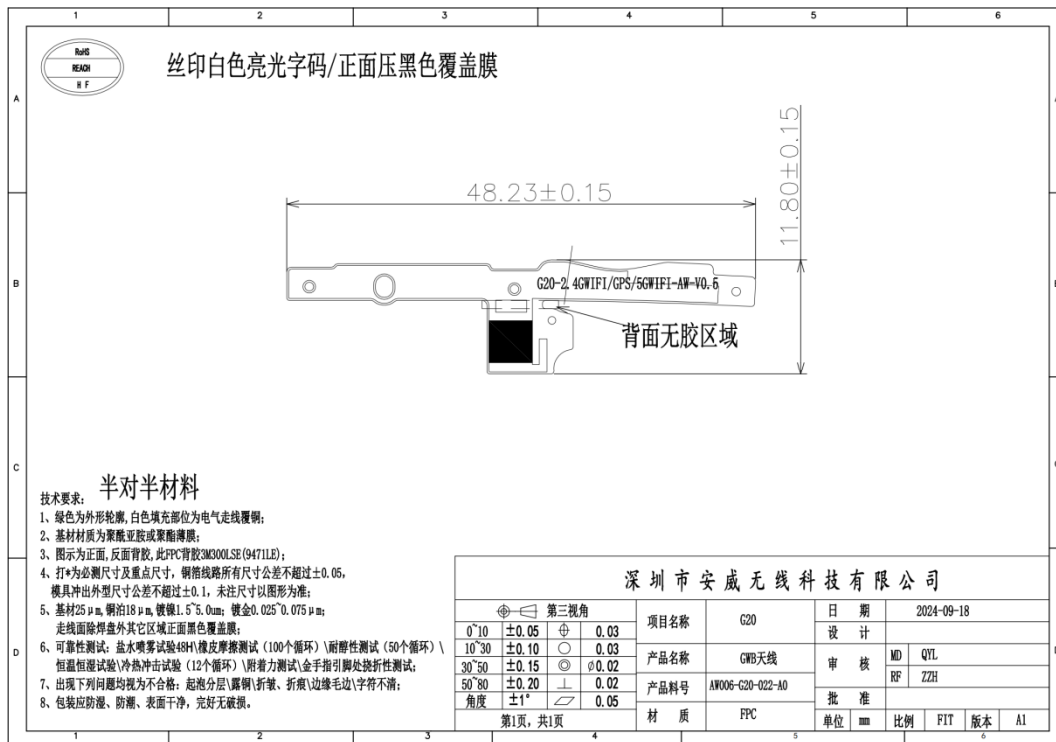
4G:LTE-B1/2/3/4/7/25/38/40/41/66

(Matcheing network):



Element	Value
E1	NC
E2	0 Ω
E3	NC
E4	0 Ω
E5	

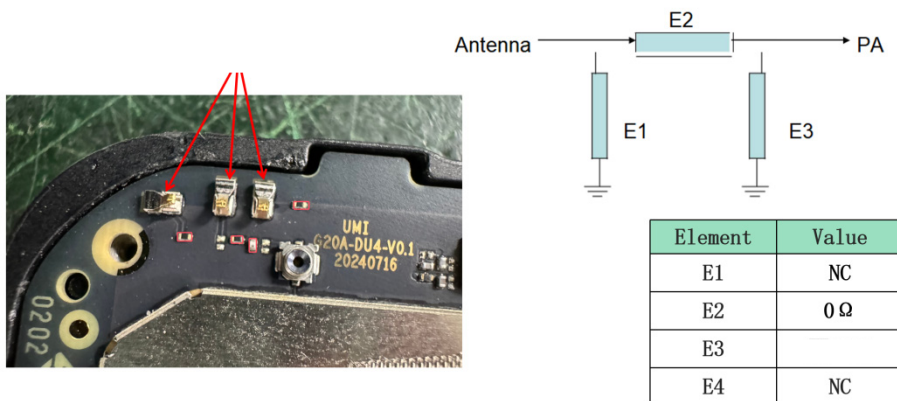
(GPS L1 antenna) + (2.4G/5G WIFI/BT antenna)



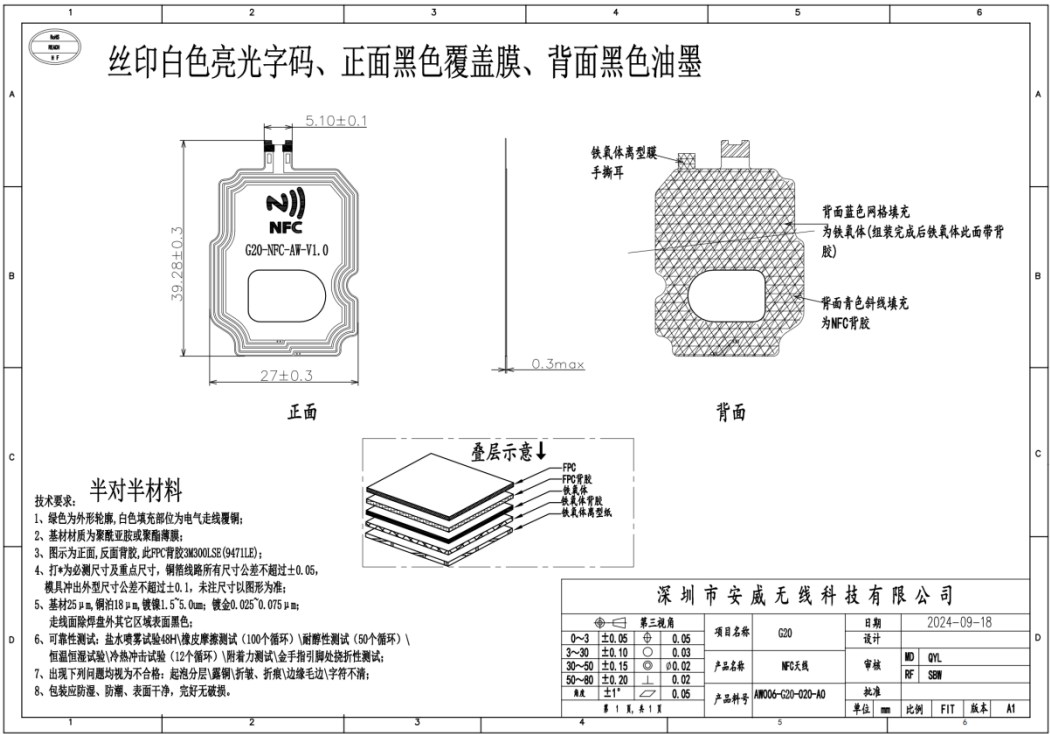
(Working frequency band of GPS antenna) : 1575.42MHZ

(Working frequency band of 5GWIFI antenna) : 2400~2500,5150MHZ~5850MHZ

(Matching network)



(NFC antenna)



ANWEI ANT TRP&TIS parameter Summary of G20

BAND	Channel	TRP (dBm)	TIS (dBm)
FDD B1	L	17.83	
	M	17.44	
	H	17.10	-92.62
FDD B2	L	18.20	
	M	18.63	
	H	18.31	-92.00
FDD B3	L	18.60	
	M	17.30	
	H	17.15	-92.06
FDD B4	L	18.17	
	M	17.15	
	H	17.16	-92.10
FDD B5	L	15.48	
	M	16.08	
	H	16.50	-89.59
FDD B7	L	17.81	
	M	17.74	
	H	17.17	-91.07
FDD B8	L	16.51	
	M	15.52	
	H	16.53	-90.04
FDD B12	L	16.18	
	M	16.42	
	H	16.18	-88.97
FDD B13	L		
	M	15.03	-89.78
	H		
FDD B17	L	17.57	
	M	17.25	

	H	17.00	-88.54
FDD B18	L	15.62	
	M	15.59	
	H	15.78	-89.00
FDD B19	L	15.39	
	M	15.89	
	H	16.43	-90.44
FDD B20	L	15.68	
	M	16.63	
	H	16.84	-90.39
FDD B25	L	17.06	
	M	17.59	
	H	17.66	-91.59
FDD B26	L	14.15	
	M	14.84	
	H	16.17	-91.09
FDD B28A	L	17.54	
	M	17.14	
	H	16.74	-88.58
FDD B28B	L	17.48	
	M	17.21	
	H	16.64	-86.92
FDD B66	L	17.56	
	M	17.18	
	H	17.03	-92.47
FDD B71	L	14.02	
	M	14.78	
	H	15.55	-87.94
TDD B38	L	17.72	
	M	17.53	

	H	17.02	-89.72
TDD B40	L	17.38	
	M	17.43	
	H	17.16	-90.32
TDD B41	L	17.36	
	M	17.32	-90.15
	H	17.82	
WCDMA-B1	L	18.23	
	M	18.03	
	H	17.96	-104.93
WCDMA-B2	L	18.30	
	M	18.55	
	H	18.02	-104.48
WCDMA-B4	L	17.59	
	M	17.32	
	H	17.07	-104.05
WCDMA-B5	L	14.70	
	M	16.01	
	H	16.65	-103.09
WCDMA-B8	L	15.23	
	M	16.41	
	H	16.73	-101.18

	Channel	TRP (dBm)	TIS (dBm)
GSM850	L	24.39	
	M	25.05	
	H	25.33	-101.47
GSM900	L	22.87	
	M	23.92	

	H	24.96	-101.97
DCS1800	L	23.74	
	M	23.04	
	H	24.93	-105.29
PCS1900	L	25.30	
	M	25.39	
	H	24.48	-105.18
2.4G WIFI B 模 11M	L	14.02	-81.89
	M	14.33	-81.27
	H	13.58	-81.43
5 G WIFI A 模 54M	L	12.02	-72.07
	M	11.52	-72.34
	H	10.00	-71.45

(GPS Test)



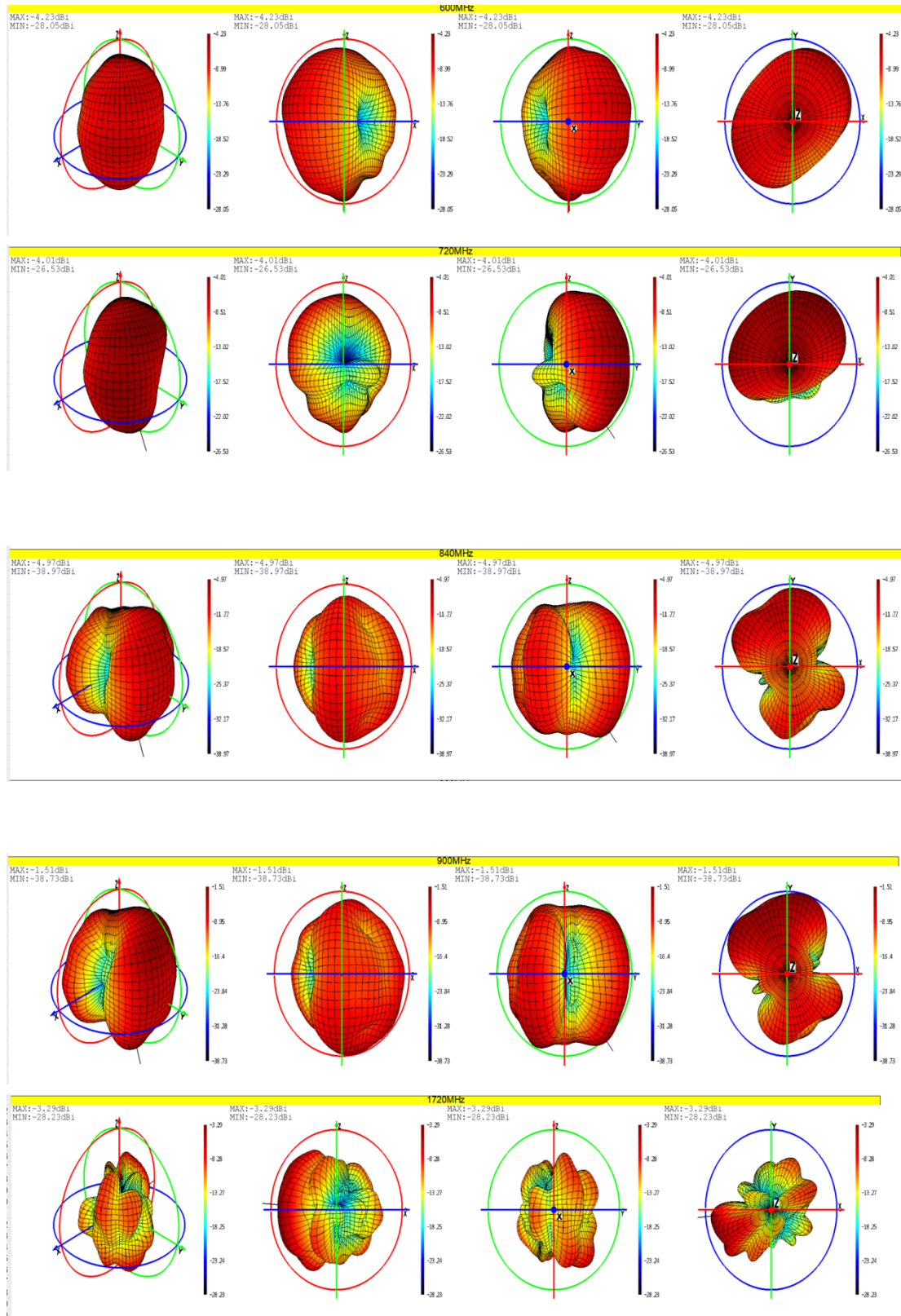
(Efficiency of GPS antenna): 33.22%

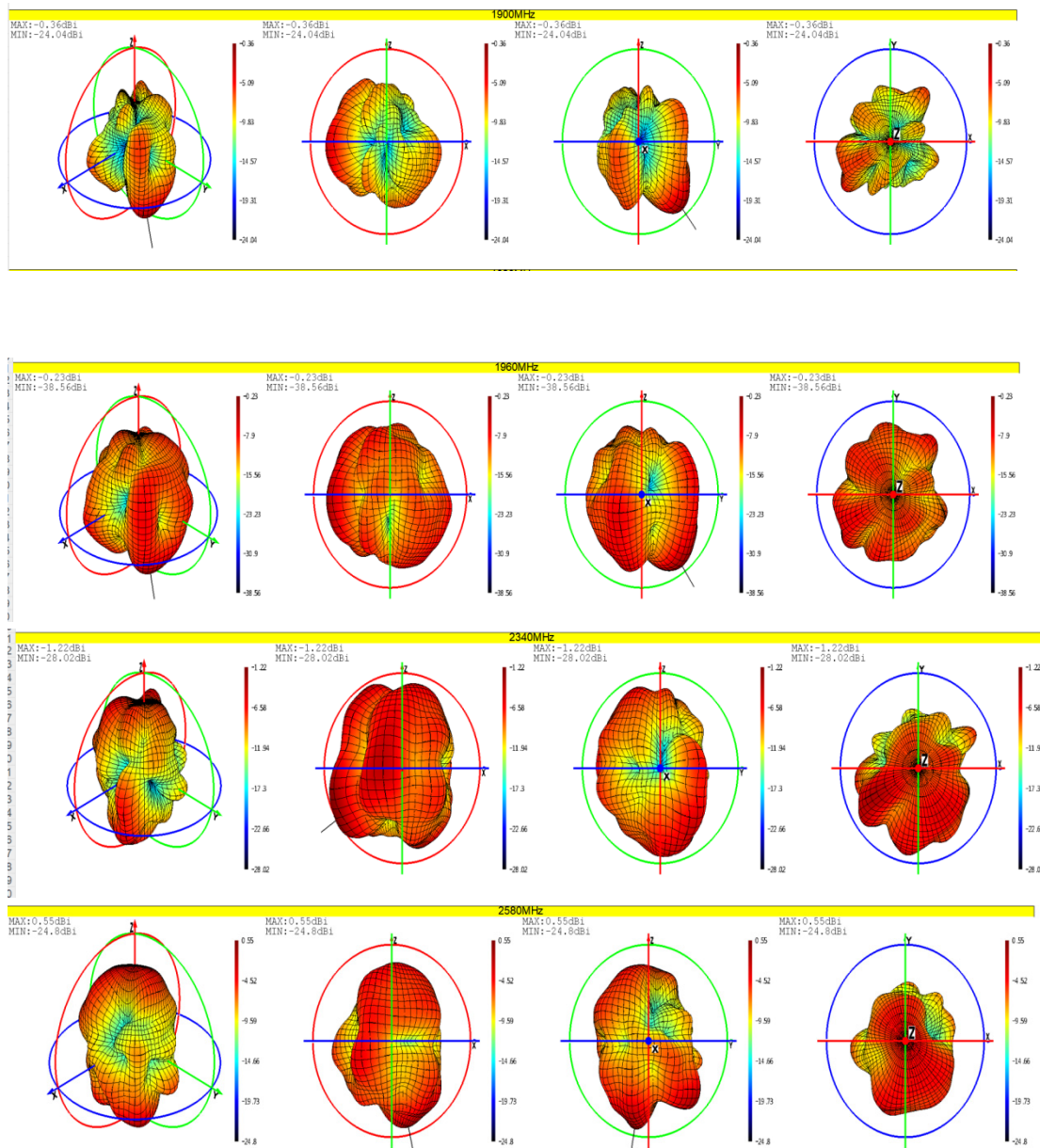
天线增益(Antenna gain)

Standard	Band	Frequency(MHz)	Gain(dbi)
TDD_LTE	TDD_B38	2580	0.55
TDD_LTE	TDD_B40	2340	-1.22
TDD_LTE	TDD_B41	2580	0.55
FDD_LTE	FDD_B1	1960	-0.23
FDD_LTE	FDD_B2	1900	-0.36
FDD_LTE	FDD_B3	1720	-3.29
FDD_LTE	FDD_B4	1720	-3.29
FDD_LTE	FDD_B5	840	-4.97
FDD_LTE	FDD_B7	2580	0.55
FDD_LTE	FDD_B8	900	-1.51
FDD_LTE	FDD_B12	720	-4.01
FDD_LTE	FDD_B13	720	-4.01
FDD_LTE	FDD_B17	720	-4.01
FDD_LTE	FDD_B18	840	-4.97
FDD_LTE	FDD_B19	840	-4.97
FDD_LTE	FDD_B20	840	-4.97
FDD_LTE	FDD_B25	1900	-0.36
FDD_LTE	FDD_B26	840	-4.97
FDD_LTE	FDD_B28	720	-4.01
FDD_LTE	FDD_B66	1720	-3.29
FDD_LTE	FDD_B71	600	-4.23
WCDMA	WCDMA_B1	1960	-0.23
WCDMA	WCDMA_B2	1900	-0.36
WCDMA	WCDMA_B4	1720	-3.29
WCDMA	WCDMA_B5	840	-4.97
WCDMA	WCDMA_B8	900	-1.51
GSM	GSM850	840	-4.97

GSM	GSM900	900	-1.51
GSM	DCS1800	1720	-3.29
GSM	PCS1900	1900	-0.36
2.4GWIFI		2410	1.38
5GWIFI		5150-5850	0.84
GPS	L1	1575	-0.86
BT		2410	1.38
NFC		13.56	0.5
FM		108	0.8

Antenna apple map





Antenna PolarGraphs/EtotalGraphs

