



Antenna Test Specification

**Heyuan Xunwei Communication Technology
Co., Ltd**

RF: Kang Guangqi

Date: 2024.08.26

Office address: Zone M, 8/F, Building 1, Baisha Xinxing Industrial Park, No. 3011,
Shahe West Road, Nanshan District, Shenzhen

Contents:

Test equipment

Modal information

Matching circuit

Active performance
test data

Test equipment

Wireless communications test set: CMW500

Network Analyzer: Agilent 5071B

Anechoic Chamber : SATIMO SG24

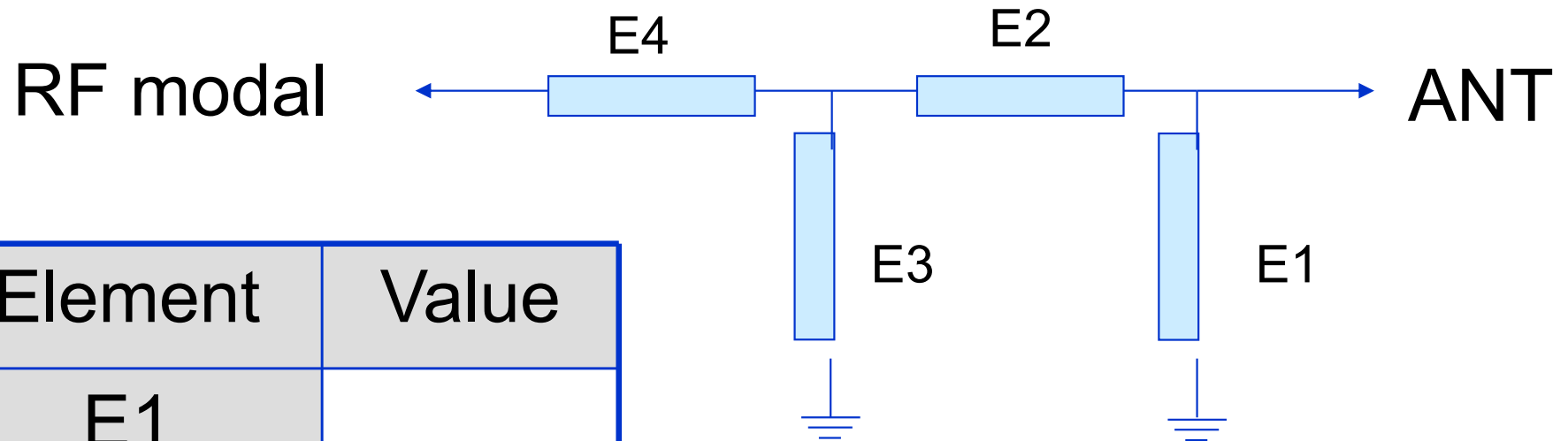


Antenna information

Customer	Boat of wealth
Antenna model	FPC
Antenna type	PIFA
Antenna band	GSM1800/850/1900 WCDMA-B2/B4/B5 LTE-B2/B4/B5/ B12/B17/B28/B66/B71

frequency range (MHz)	603–960	1710–2170	2490–2690
VSWR	<3.5	<3.5	<3.5

Matching circuit (No modification)

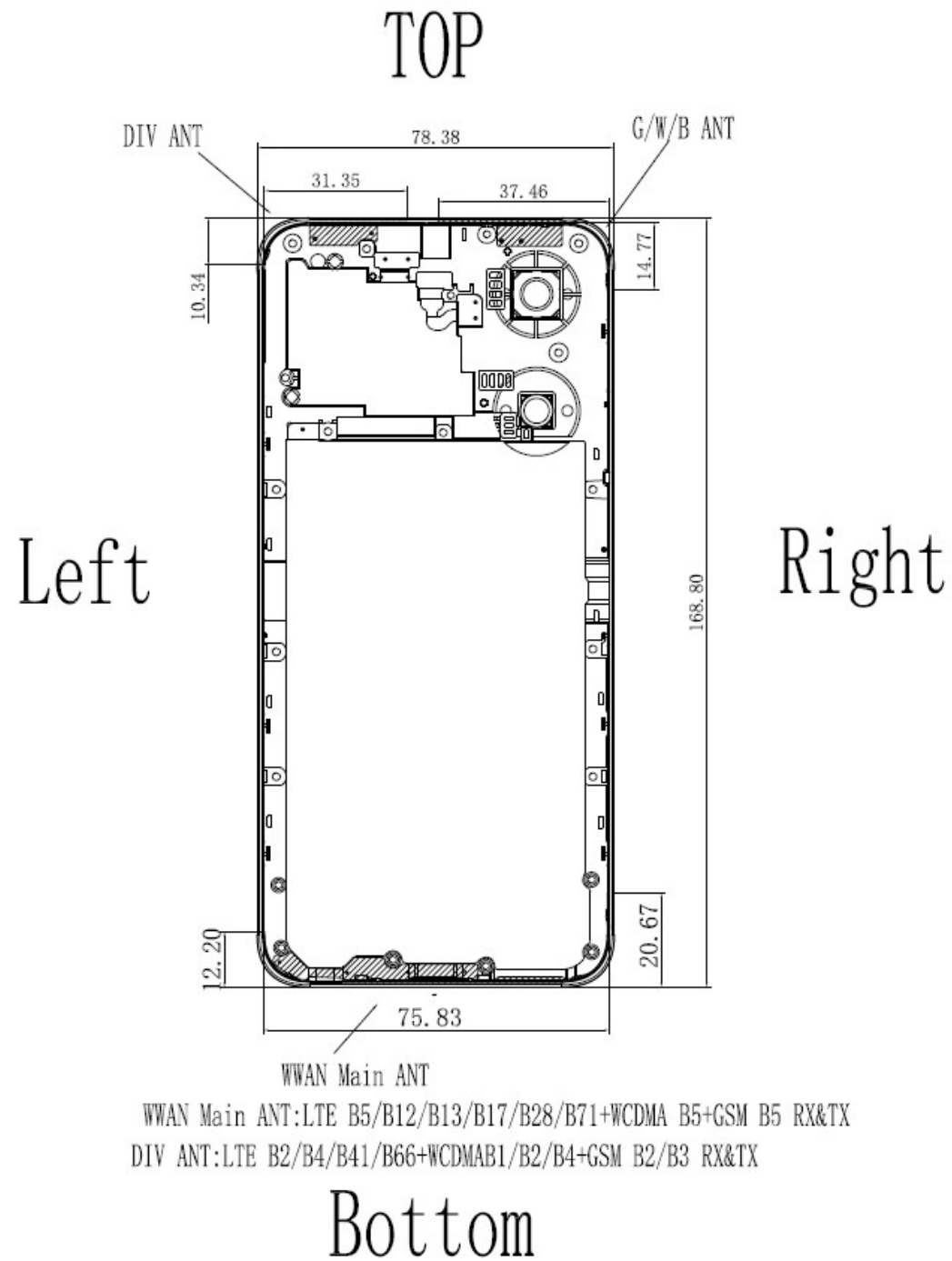


Element	Value
E1	
E2	
E3	
E4	

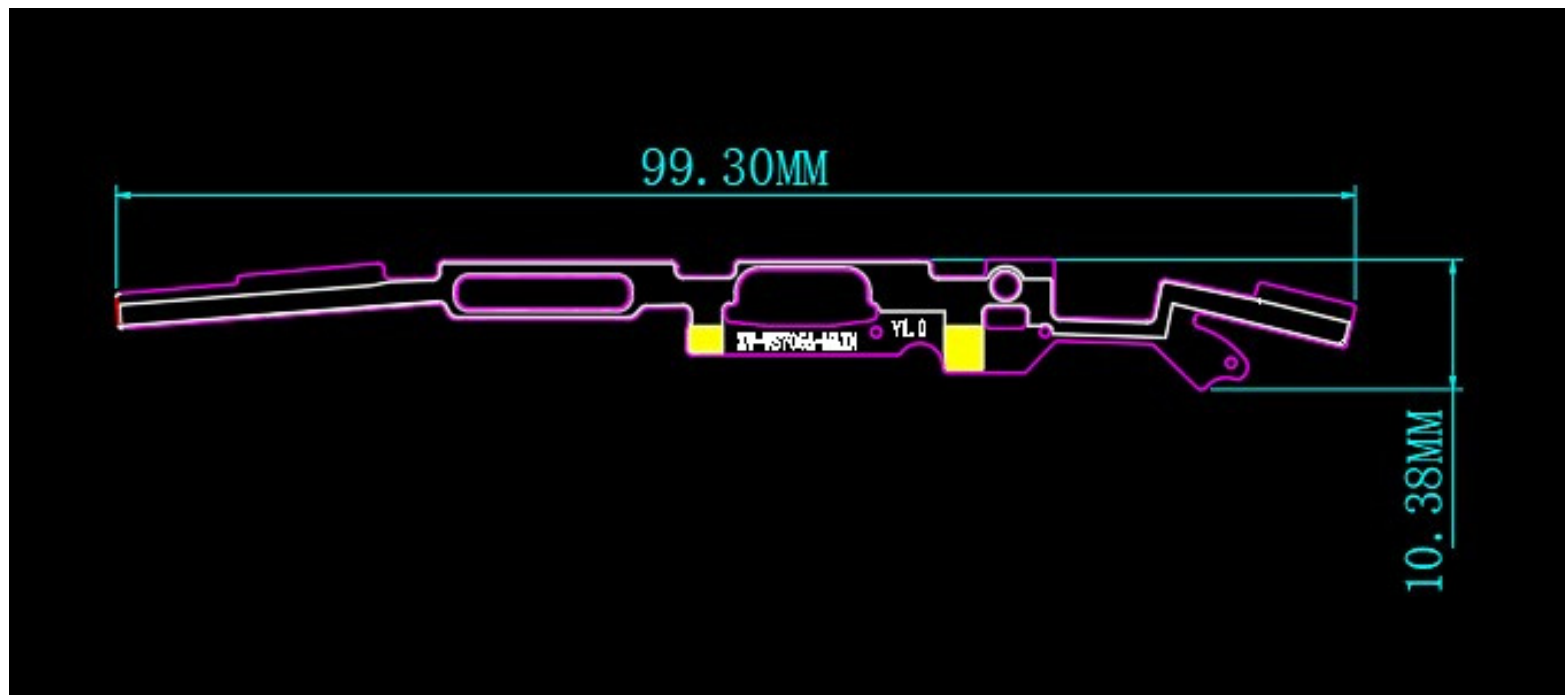
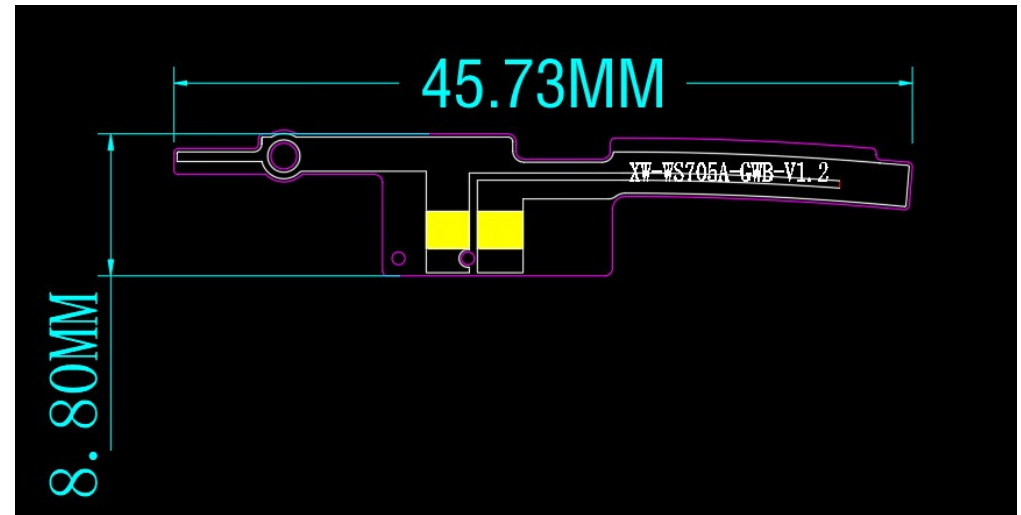
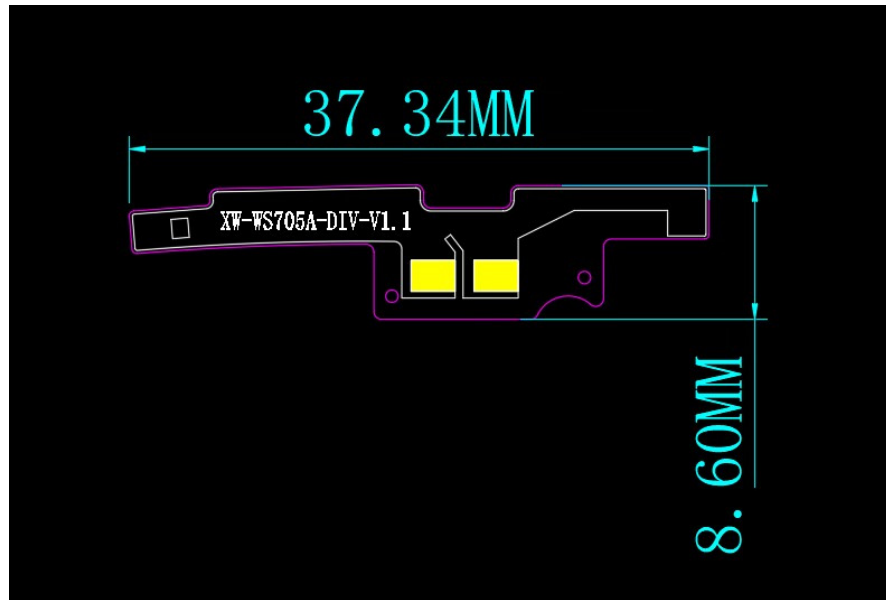
LTE Antenna gain

WS705A antenna info.			
RF antenna	Band	Frequency (MHZ)	Max Gain (dBi)
	GSM850	824-894	-0.83
	DCS1800	1710-1880	-0.75
	PCS1900	1850-1990	-0.63
	W1900	1850-1990	-0.63
	W1700	1710-2155	-1.05
	W850	824-894	-0.83
	LTE-B2	1850-1990	-0.63
	LTE-B4	1710-2155	-1.05
	LTE-B5	824-894	-0.83
	LTE-B12	699-746	-1.13
	LTE-B13	746-787	-1.25
	LTE-B17	704-746	-1.13
	LTE-B28	703-803	-1.29
	LTE-B41	2496-2690	-1.21
	LTE-B66	1710-2200	-1.12
	LTE-B71	617-698	-1.31
WIFI (2.4G)		2412-2472	-0.94
WIFI (5G)		5180-5850	0.44
BT antenna		2400-2500	-0.94
GPS		1570-1620	-1.55

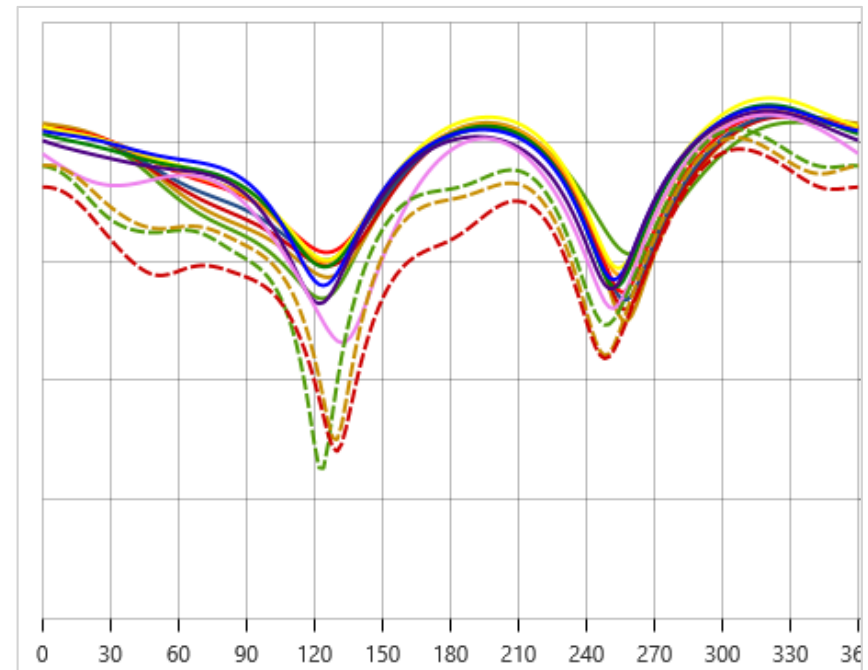
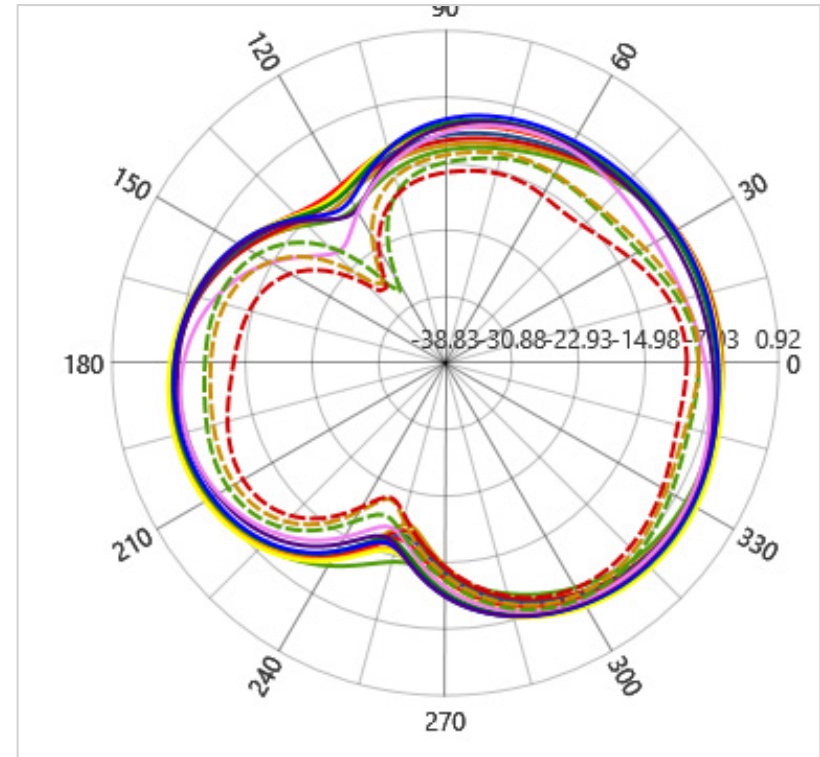
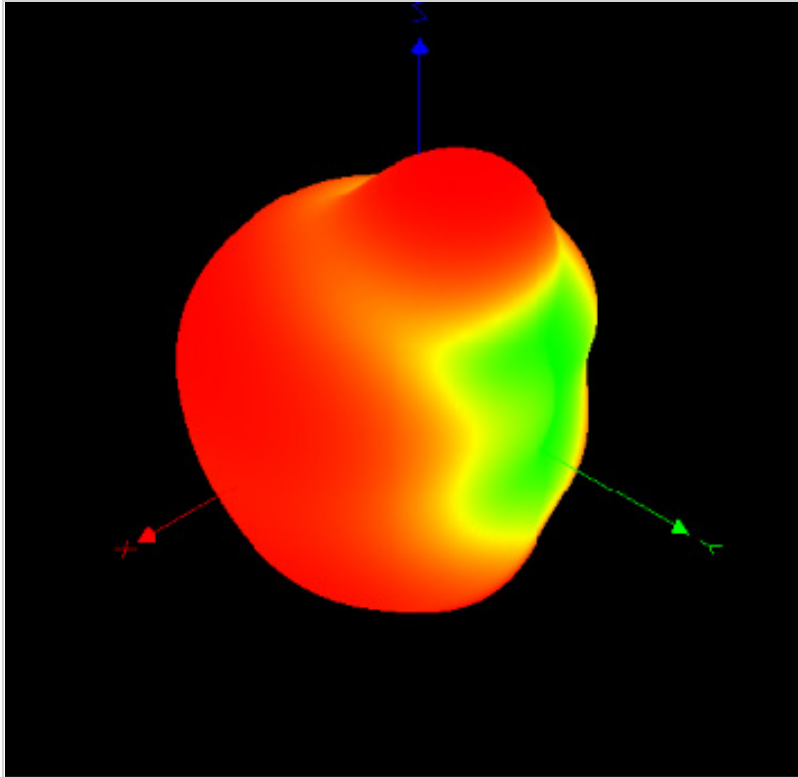
Antenna dimension drawing



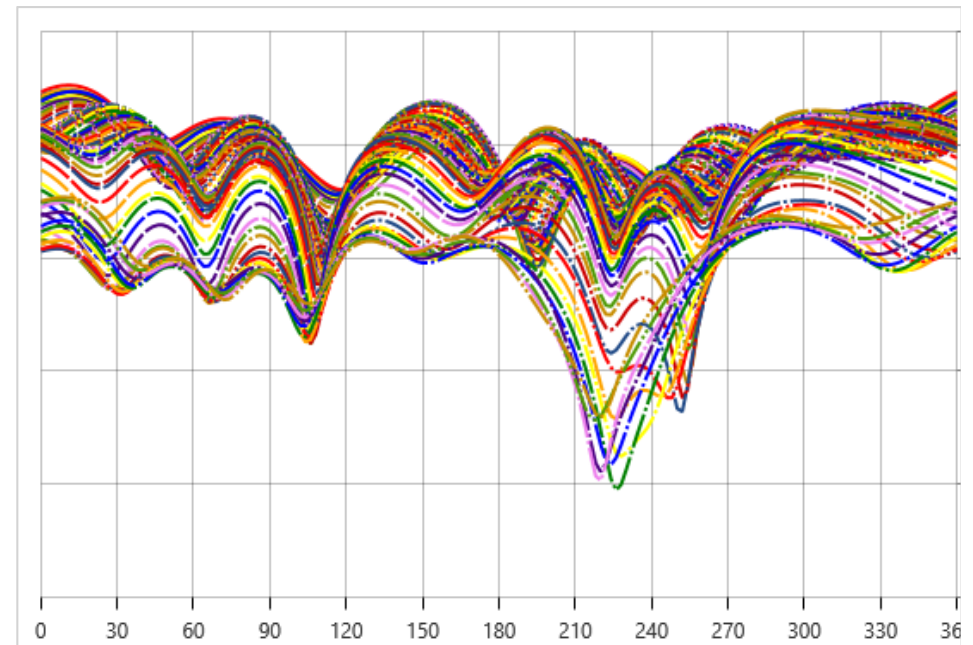
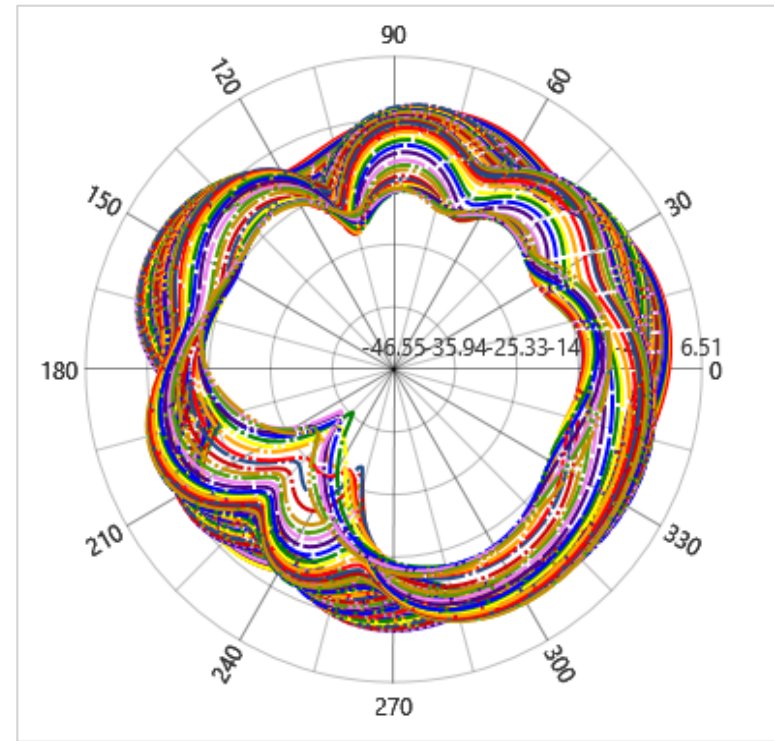
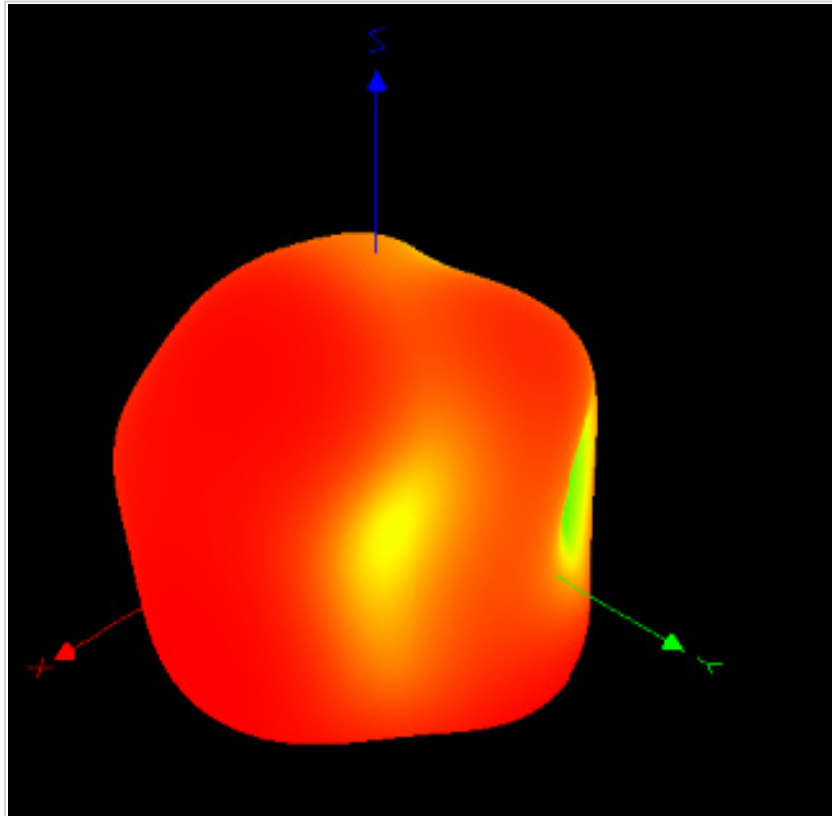
Antenna dimension drawing



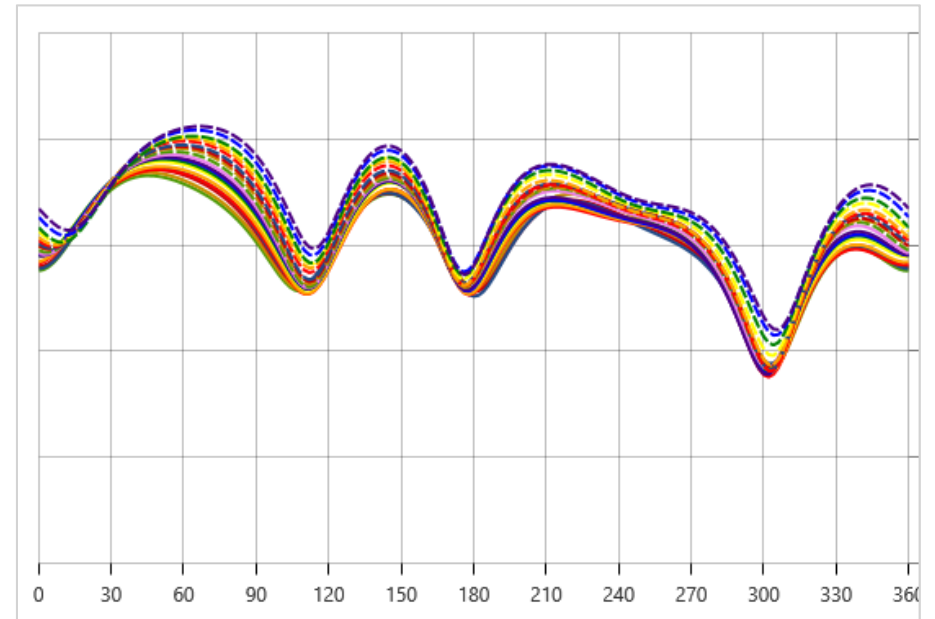
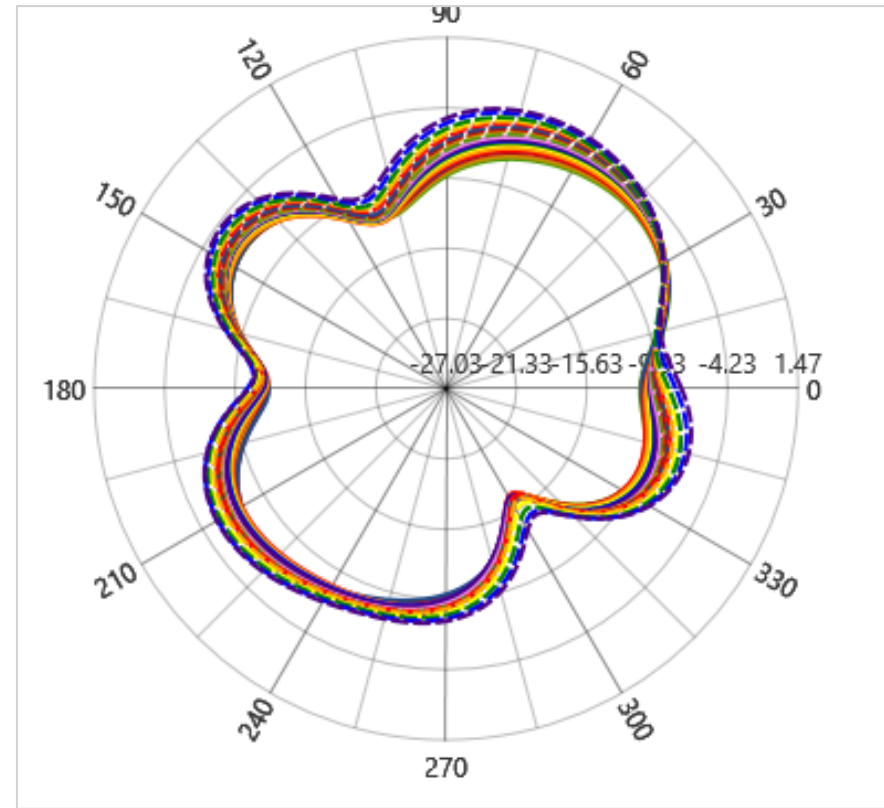
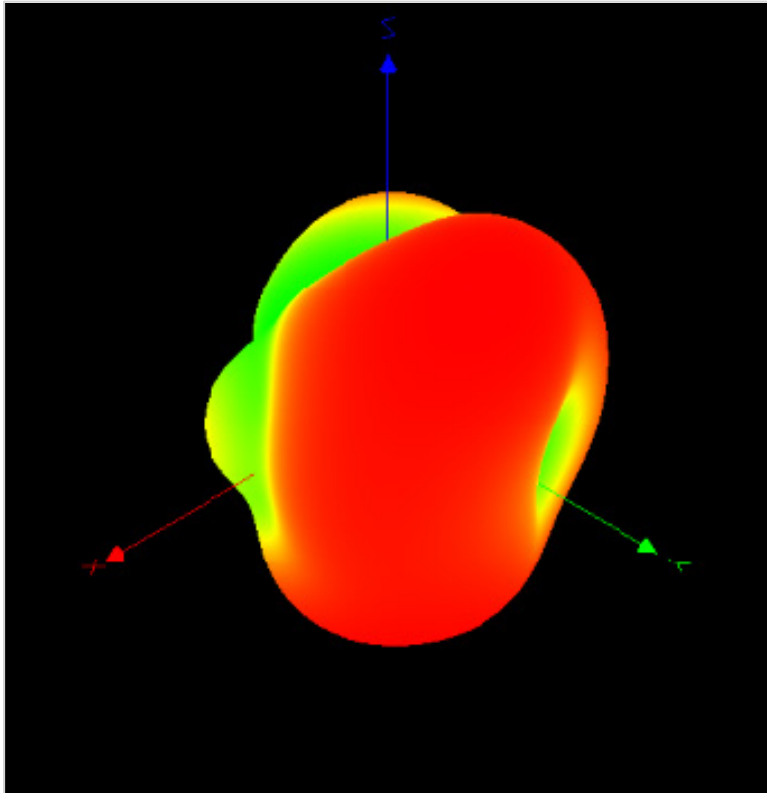
1 Main antenna Peak Gain(824~960M)



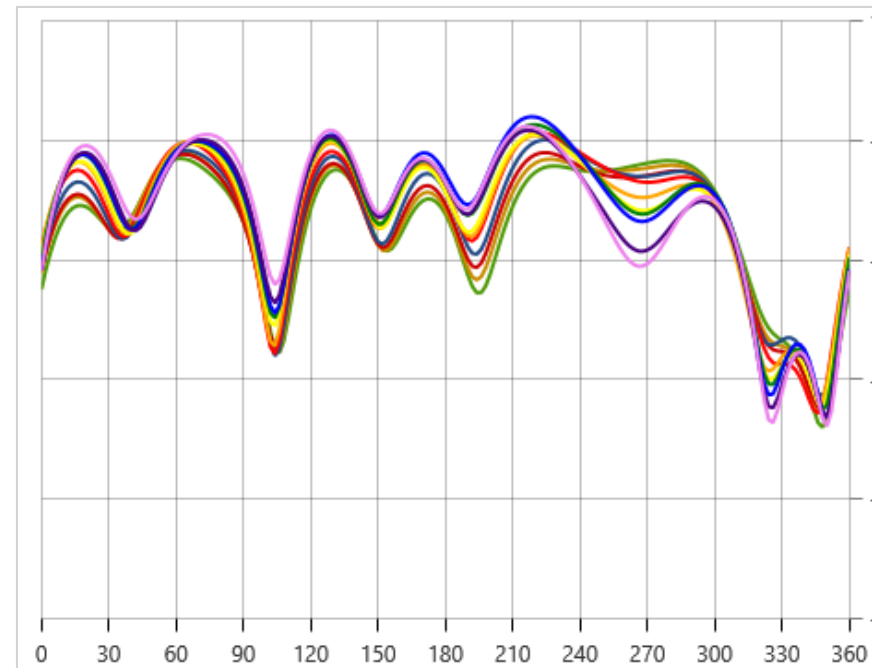
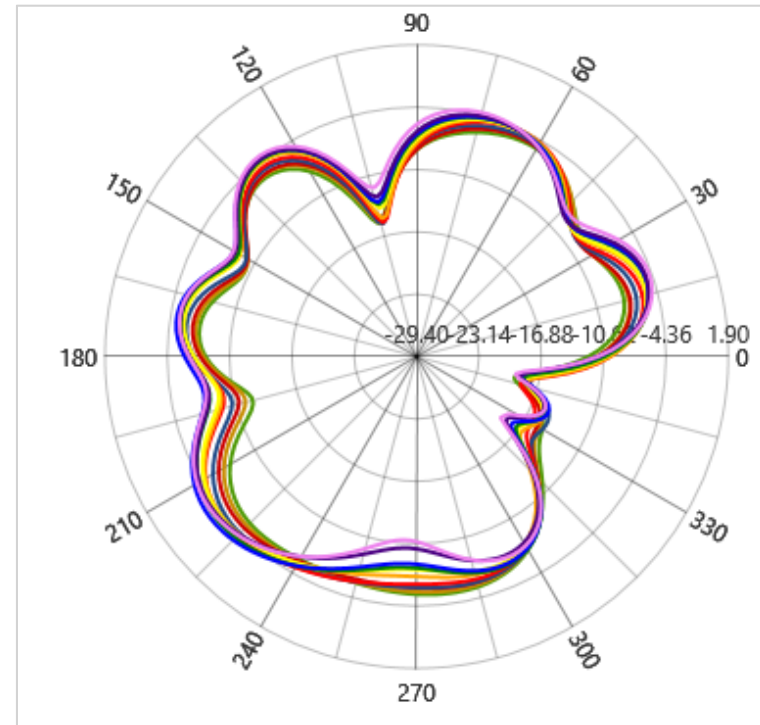
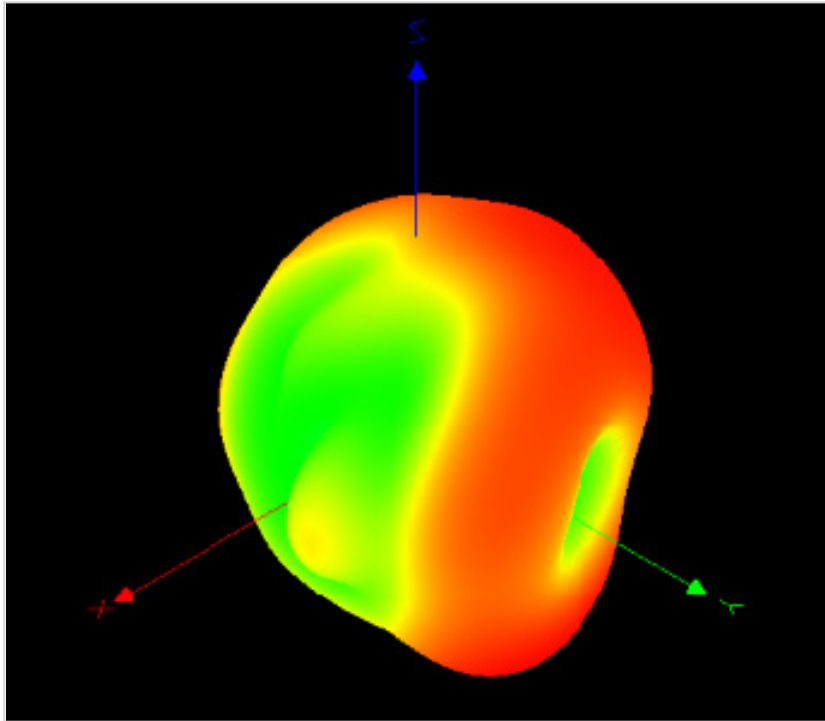
2 DIV antenna Peak Gain(1710~2700M)



4 G/W/B antenna Peak Gain(1575M)



5 G/W/B antenna Peak Gain(2400-2500M)



6 G/W/B antenna Peak Gain(5100-5800M)

