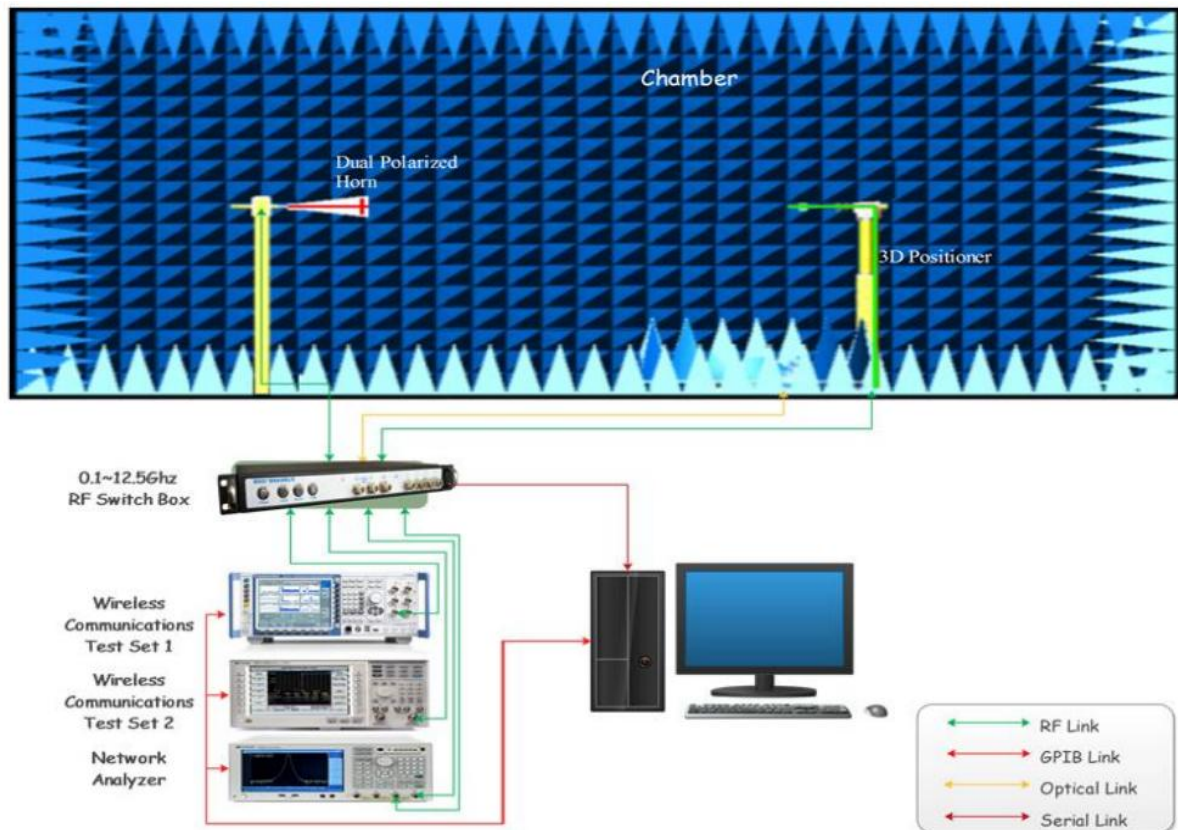


GQ5021 antenna report

Test Address	Shenzhen3Good Wireless Communications CO.,LTD Room501,Jinfulai Building,No.49- 1,Dabao Road,Baoan District,Shenzhen
Test Date	January 4(th), 2025
Test Instrument	vector network analyzer -Agilent Technologies E5071B

Iption Measurement procedure





Manufacture Name: Shenzhen Gotron Electronic CO.,LTD.

Manufacture Address: 7B01, Building A, Block 1, Anhongji Tianyao Plaza, Longhua District, Shenzhen City, Guangdong Province China

Model: V1

Antenna information:

Customer	Boat of wealth
Antenna Model	LDS
Antenna Type	PIFA

Passive performance figure:

Frequency(MHZ)	703~960	1710~2690
VSWR	<3.5	<3.5



Effient (2G+3G+4G+5G+2. 4G-WiFi/BT/GPS)

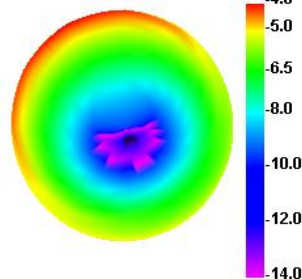
2G:	Freq(MHz)	Effi(%)	Gain(dBi)
GSM850	824-894	26.25	-2.13
PCS1900	1850-1990	28.93	-0.75
3G:			
W2	1850-1990	28.93	-0.75
W4	1710-2155	28.31	0.3
W5	824-894	26.25	-2.13
4G:			
LTE-B2	1850-1990	28.93	-0.75
LTE-B4	1710-2155	28.31	0.3
LTE-B5	824-894	26.25	-2.13
LTE-B12	699-746	22.87	-2.81
LTE-B17	704-746	22.87	-2.81
LTE-B41	2496-2690	24.62	-1.04
LTE-B66	1710-2200	28.31	0.3
LTE-B71	617-698	20.76	-4.01
5G:	Freq(MHz)	Effi(%)	Gain(dBi)
NR-N71	617-698	20.76	-4.01
2.4G-WIFI	2400-2500	26.94	0.11
BT	2400-2500	26.94	0.11
5.8G-WIFI	5150-5850	25.52	-1
GPS	1575.42	44.42	2.27

3-D Patten Plots

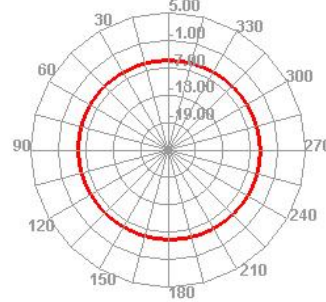
Effient (2G+3G+4G)

Effient (619-698MHz)

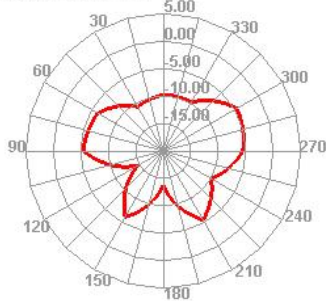
680.000MHz



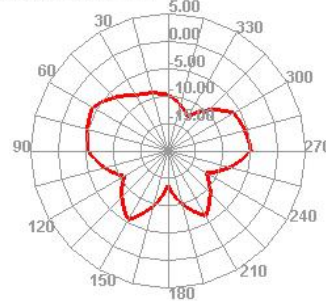
680.000MHz H



680.000MHz E1

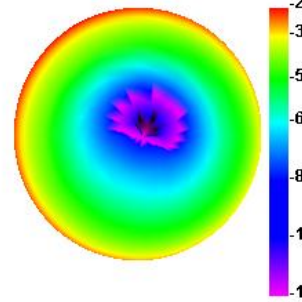


680.000MHz E2

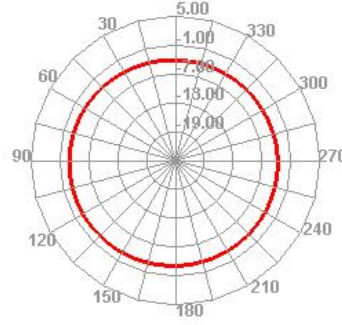


Effient (699-746MHz)

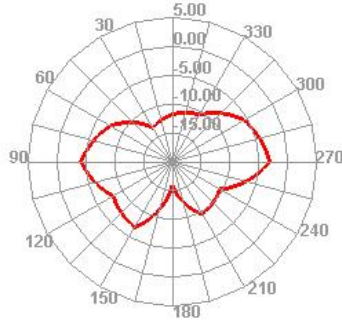
720.000MHz



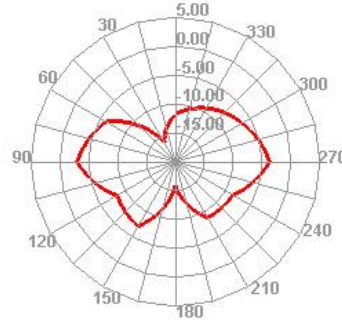
720.000MHz H



720.000MHz E1

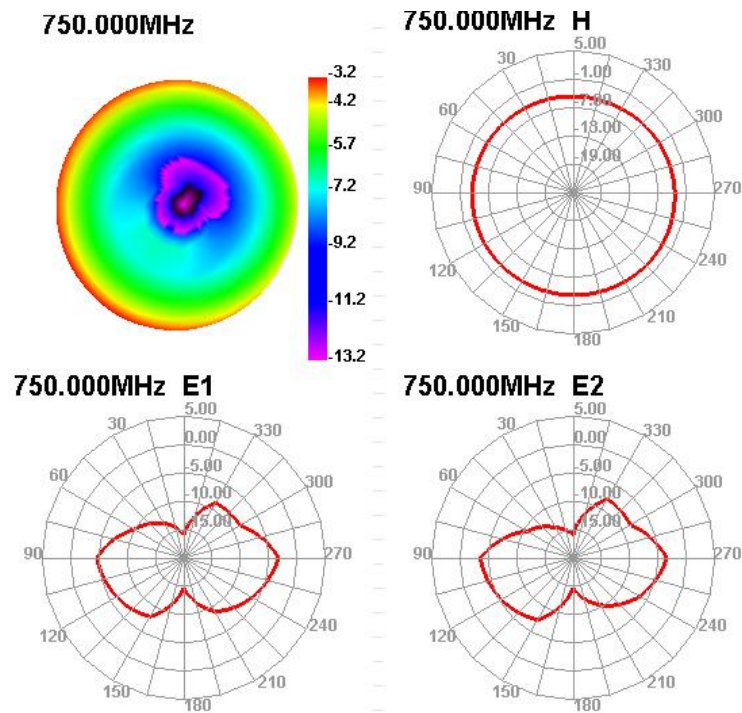


720.000MHz E2

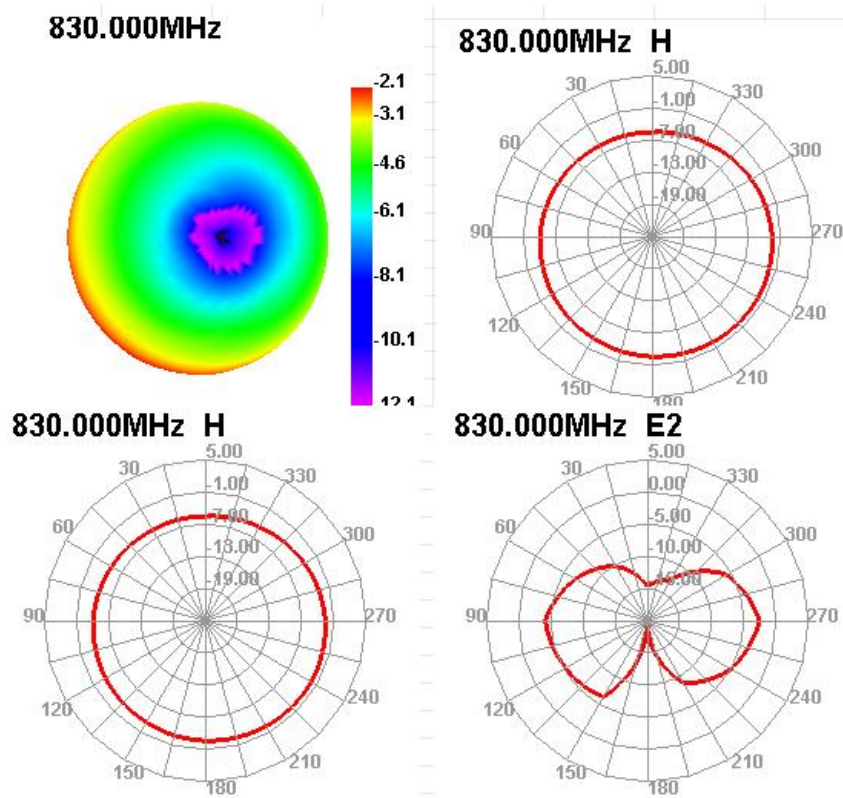




Effient (746-787MHz)



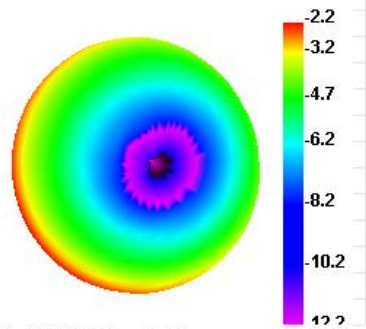
Effient (791-894MHz)



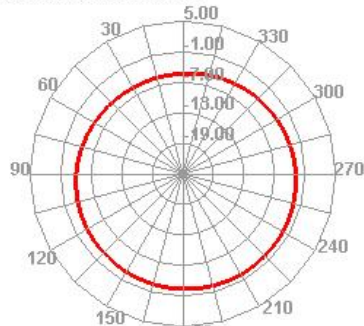


Effient (880-960MHz)

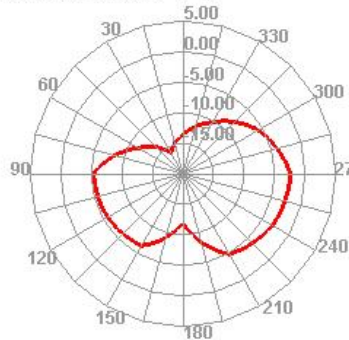
890.000MHz



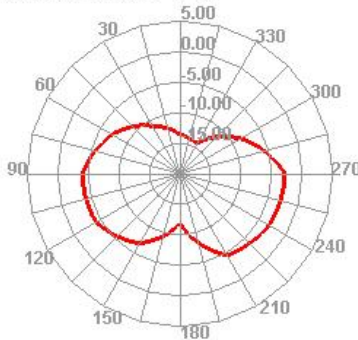
890.000MHz H



890.000MHz E1

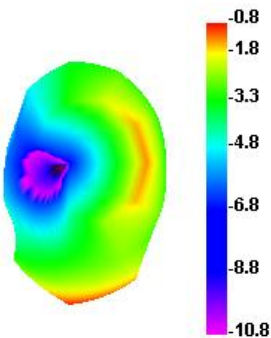


890.000MHz E2

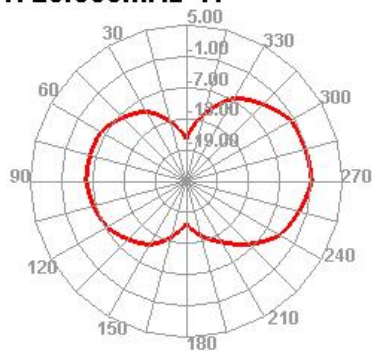


Effient (1710-1880MHz)

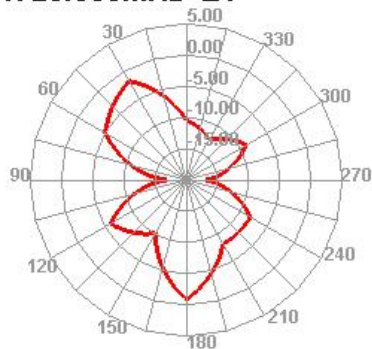
1720.000MHz



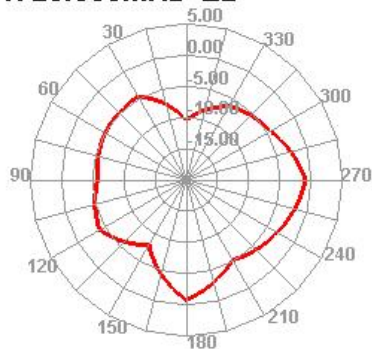
1720.000MHz H



1720.000MHz E1

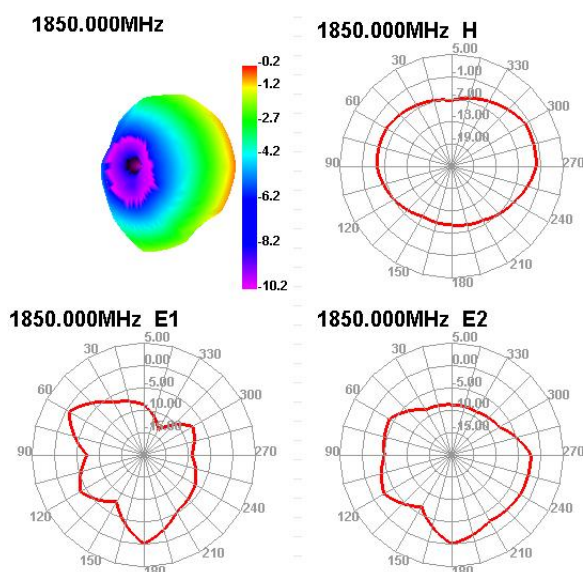


1720.000MHz E2

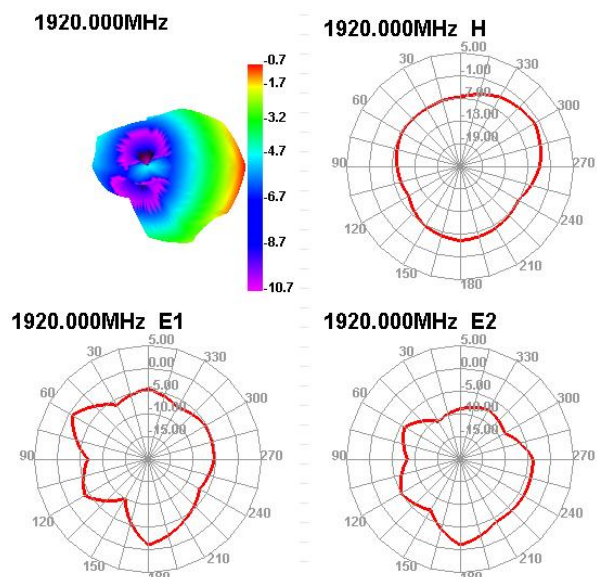




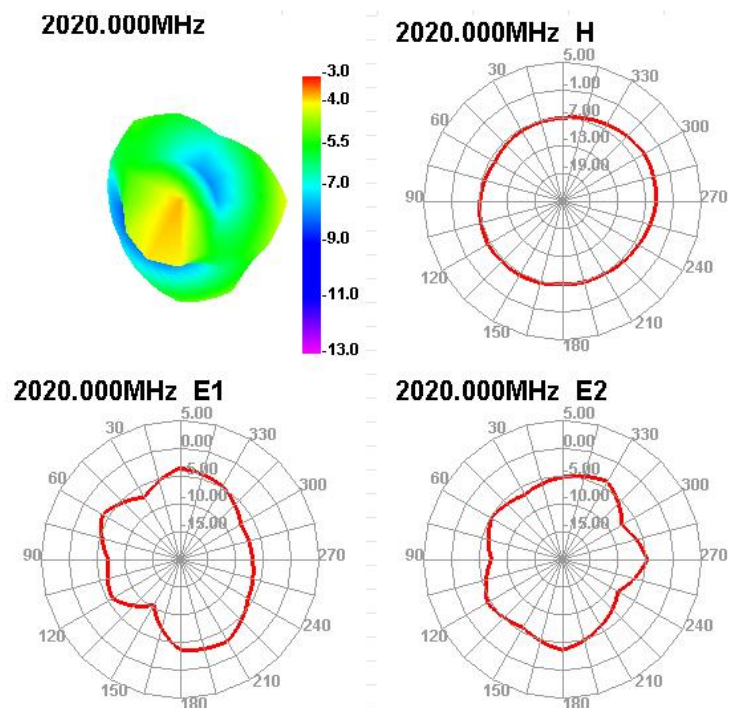
Effient (1850–1990MHz)



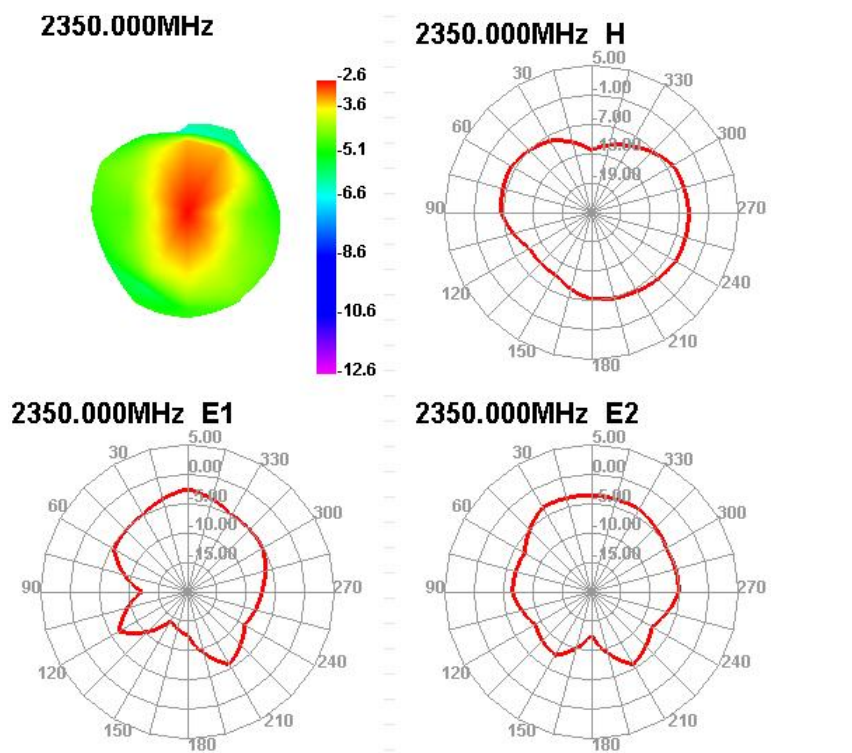
Effient (1920–2170MHz)



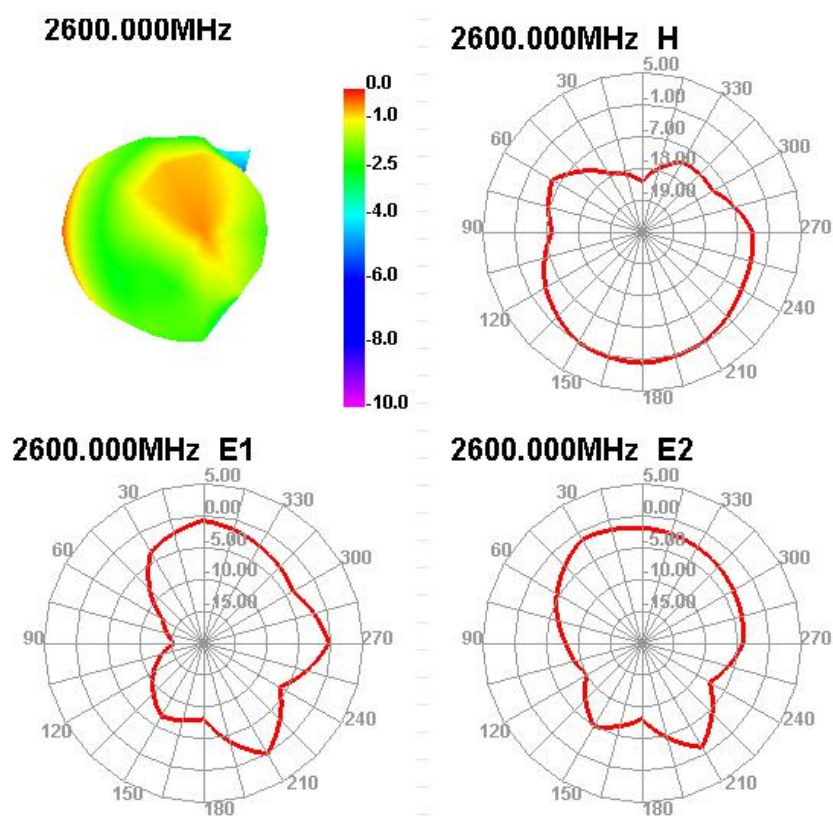
Effient (2010–2025MHz)



Effient (2300–2400MHz)



Effient (2496–2690MHz)

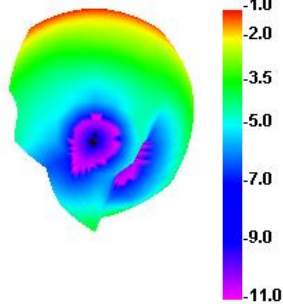




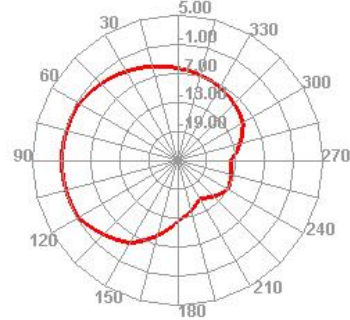
Effient (5G+2. 4G/5. 8G-WiFi/BT/GPS)

Effient (2496-2690MHz)

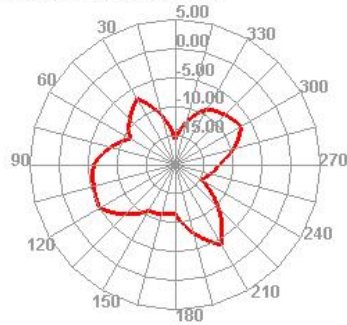
2600.000MHz



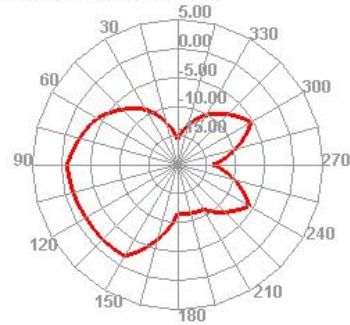
2600.000MHz H



2600.000MHz E1

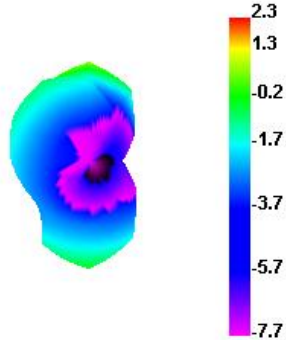


2600.000MHz E2

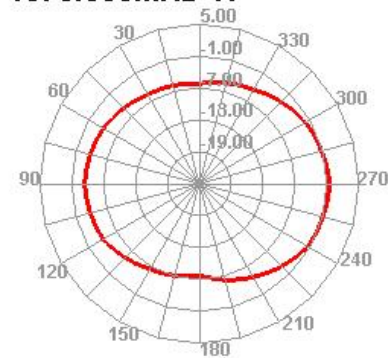


Effient (1575MHz)

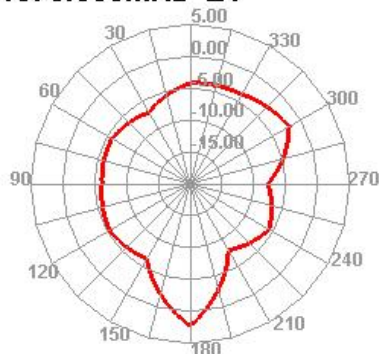
1575.000MHz



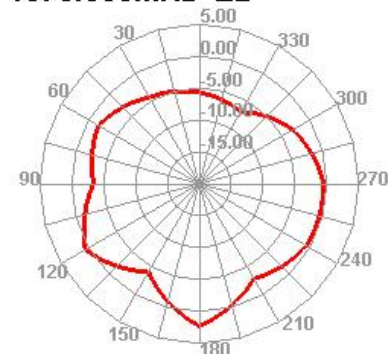
1575.000MHz H



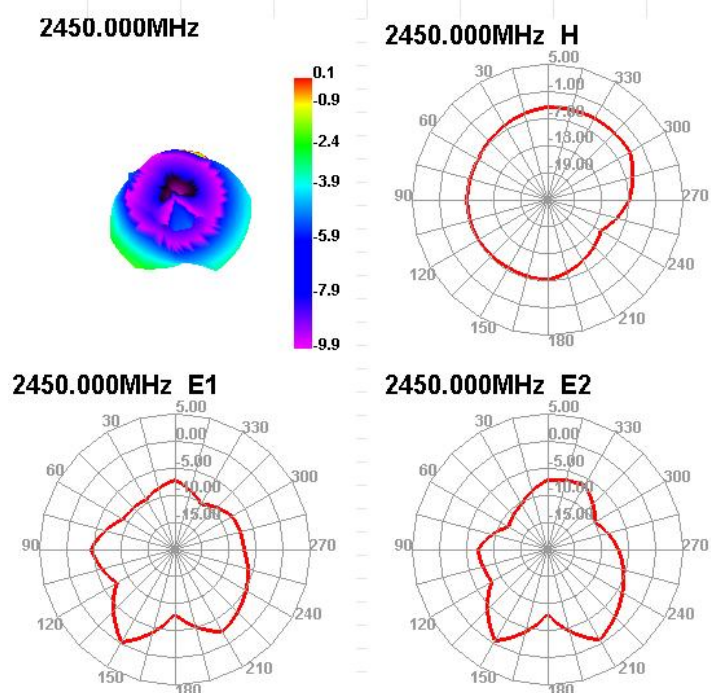
1575.000MHz E1



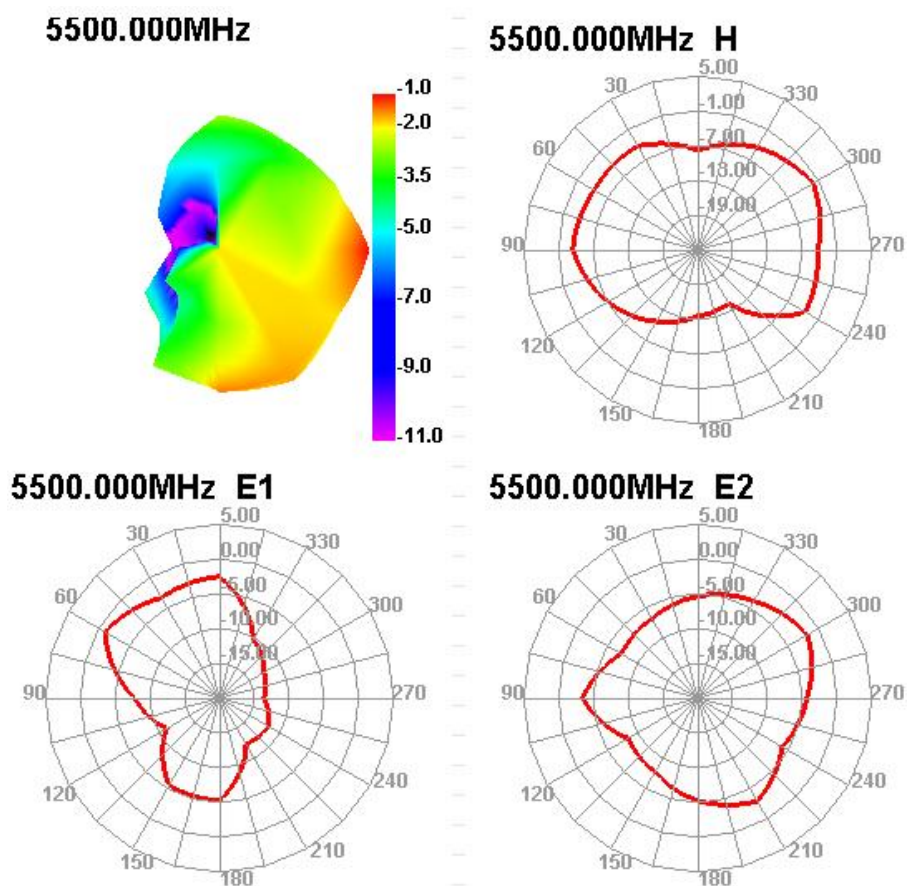
1575.000MHz E2

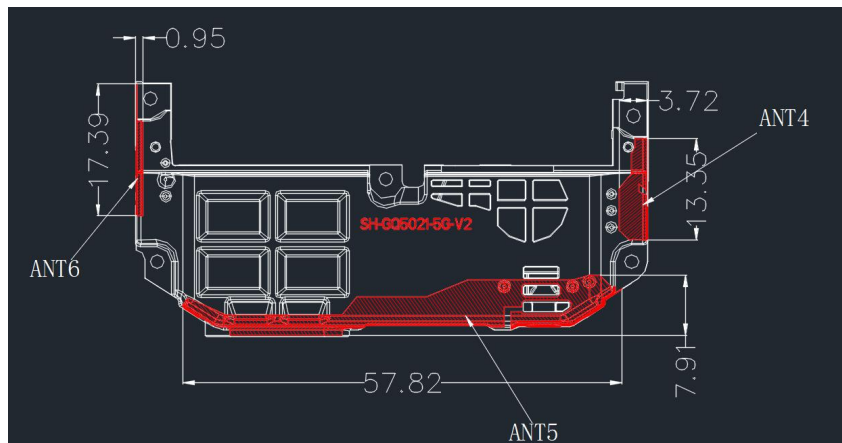
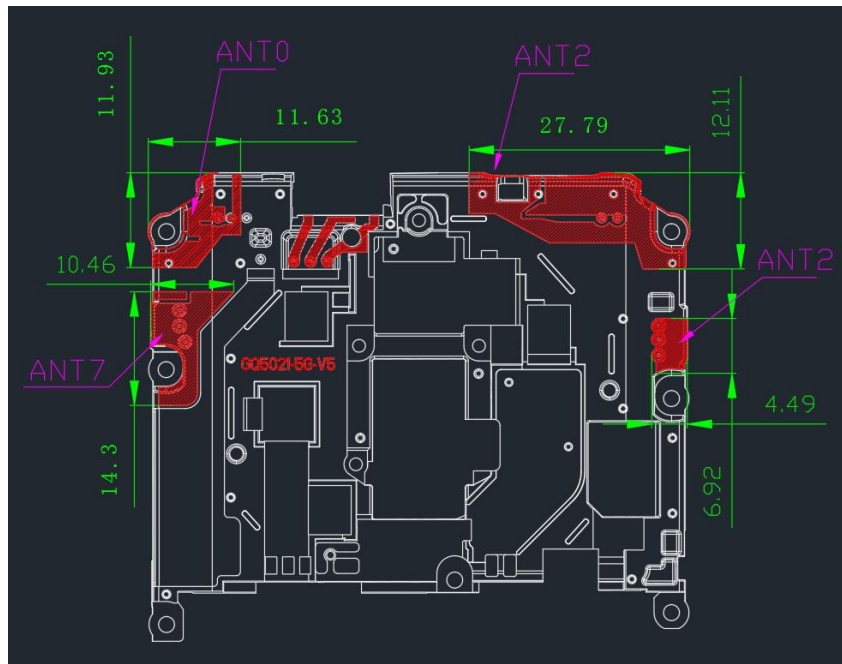


Effient (2400–2500MHz)



Effient (5150–5850MHz)







Band	Antenna Port
GSM 850	2
GSM 1900	5
WCDMA B2	5
WCDMA B4	5
WCDMA B5	2
LTE B2	5
LTE B4	5
LTE B5	2
LTE B12	2
LTE B17	2
LTE B41	6
LTE B66	5
LTE B71	2
BT&WIFI	0

All the other antennas only have the receiving function(ANT3/ANT4/ANT7)