

Antenna specifications

Shenzhen Tianyutong Electronic Technology Co., LTD

Building 212, Taian Science and Technology Park, Taian 4th Road, Chegongmiao, Futian District, Shenzhen City,
China

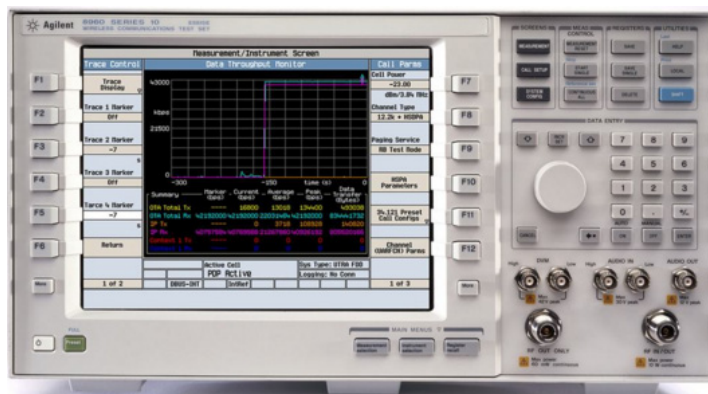
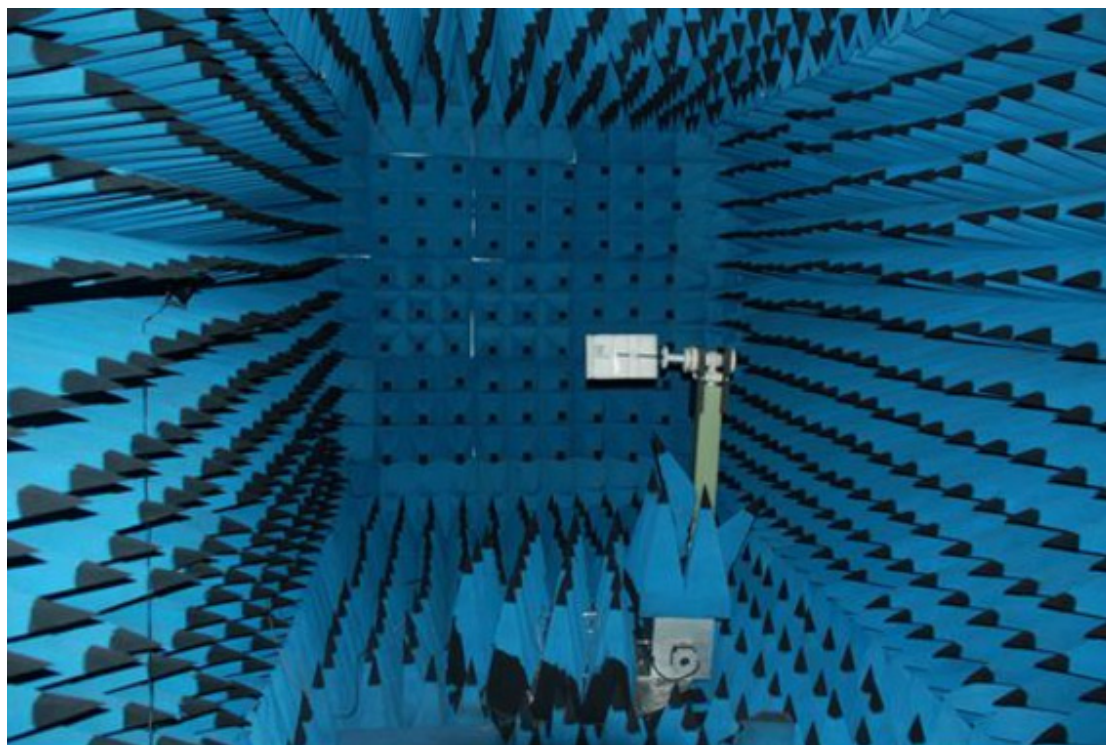
Test system: ETS 3D shielded anechoic Chamber

Test environment: Temperature $22^{\circ}\text{C} \pm 3^{\circ}\text{C}$, humidity $50\% \pm 15\%$

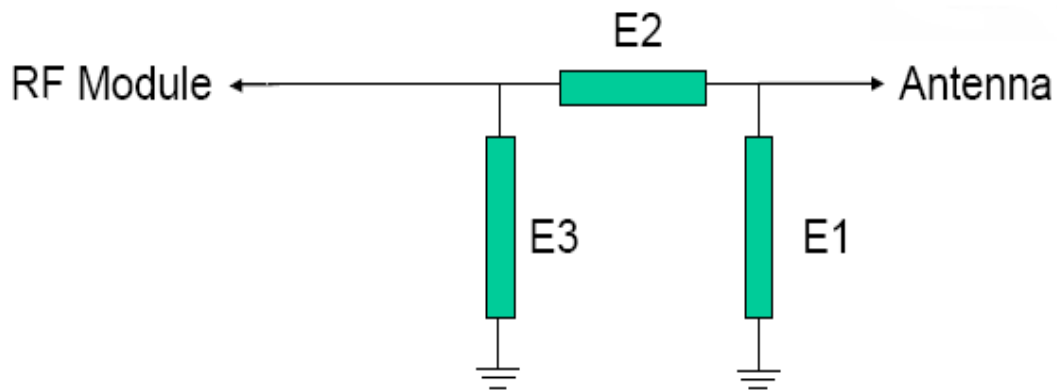
Test equipment: When testing passive data, the HP 8753E network analyzer is used

When testing active data, use the E5515C-8960 3G full-function comprehensive tester

When testing active data, use the 8820C 4G all-function comprehensive tester



Matching circuit design



Frequency	Antenna gain(dBi)
GSM 850& WCDMA B5& LTE B5: 824-849MHz(TX); 869-894MHz(RX)	0.3
GSM 900& LTE B8: 880-915MHz(TX), 925-960MHz(RX)	0.3
GSM 1800& LTE B3: 1710-1785MHz(TX), 1805-1880MHz(RX)	0.8
PCS 1900& WCDMA B2& LTE B2: 1850-1910MHz(TX); 1930-1990MHz(RX)	0.8
WCDMA B4& LTE B4: 1710-1755MHz(TX); 2110-2155MHz (RX)	0.8
LTE B1: 1920-1980MHz(TX), 2110-2170MHz(RX)	0.9
LTE B7: 2500-2570MHz(TX), 2620-2690MHz(RX)	0.9
LTE B12: 698-716MHz (TX); 728-746MHz(RX)	0.1
LTE B28: 703-748MHz(TX), 758-803MHz(RX)	0.1
LTE B38: 2570-2620MHz(TX/RX)	0.9
LTE B40: 2300MHz to 2400 MHz(TX/RX)	0.9
LTE B41: 2496-2690MHz (TX&RX)	0.9
LTE Band 66: 1710-1780MHz(TX); 2110-2200MHz(RX)	0.8
BT: 2402-2480MHz(TX/RX)	1.59

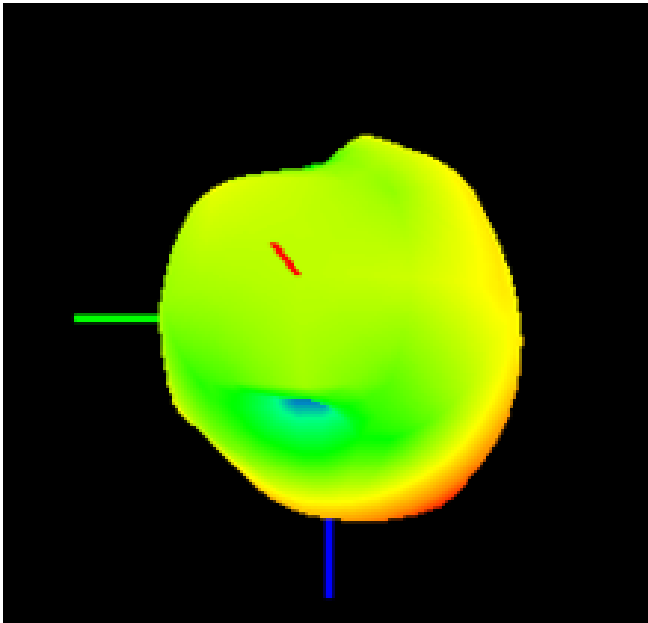
3D orientation map

Red -Z

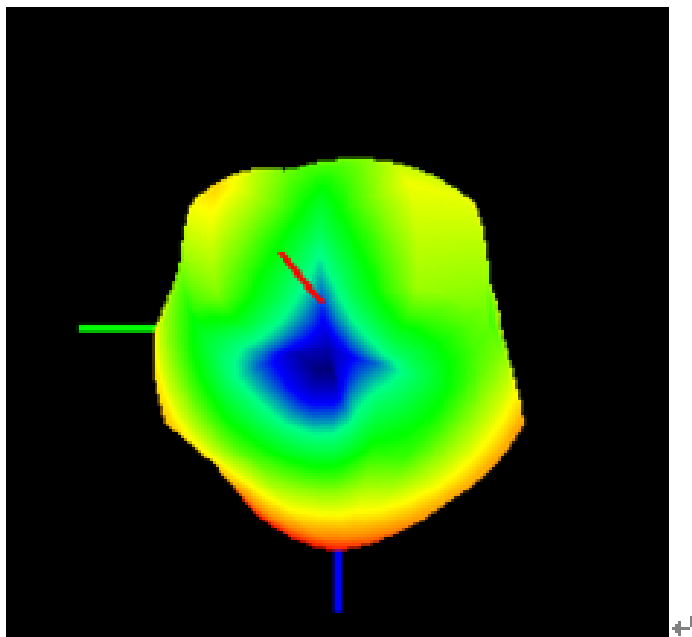
Green-x

Dark blue -Y

2G&3G&4G

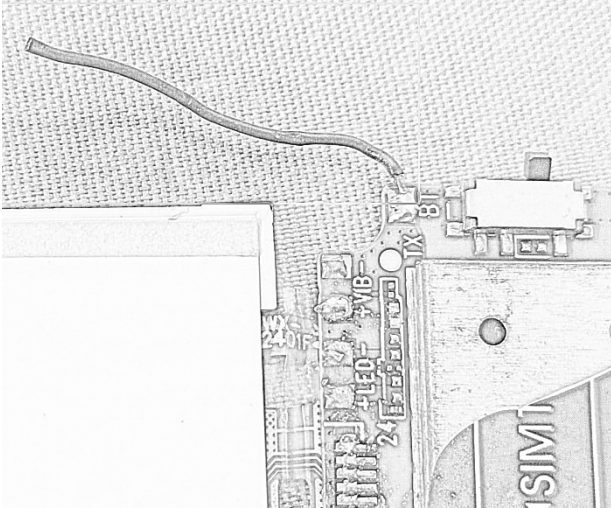


BT



Daily chart

Model: V2000ANT1



Model: V2000ANT2

