



Shenzhen DBT Telecommunication Technology CO.,LTD

Antenna Test Report

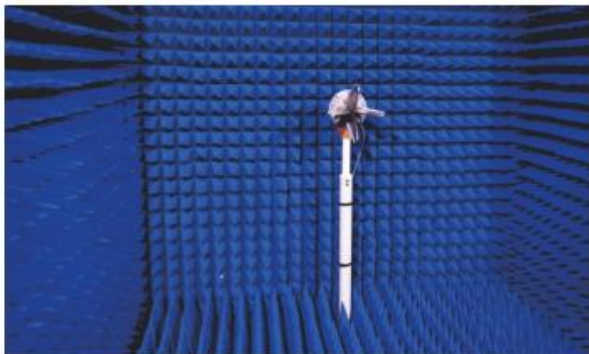
Customer: JAMR

Project: B31G

Antenna System: 4G

TIME:2026/10/13

1. Test Devices

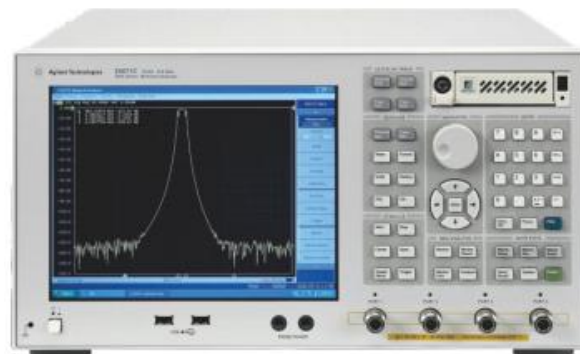


OTA-800

Brand: ETS

Frequency Range: 370MHz-8.5GHz

Functions: Passive and active testing; TRP and TIS testing for GSM, CDMA, 2G/3G/4G, WIFI, BT, and other standards.



5071C

Brand: Agilent

Frequency Range: 9KHz-8.5GHz

Functions: Comprehensive passive antenna testing for 2G/3G/4G/BT/WIFI, etc.



8960

Brand: Agilent

Frequency Range: 292MHz-2700GHz

Functions: Meets the requirements for 2G/3G active testing.



CMW500

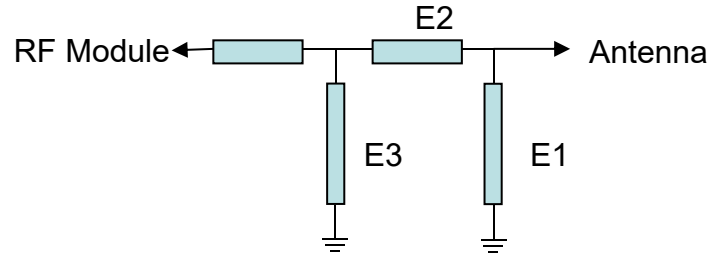
Brand: Rohde & Schwarz

Frequency Range: 70KHz-6GHz

Functions: Comprehensive active antenna testing for 2G/3G/4G/BT/WIFI/NB-IoT, etc.

2. Matching Circuit

The matching circuit has not been modified.



Element	4G
E1	
E2	Defualt
E3	

3. Tested Object

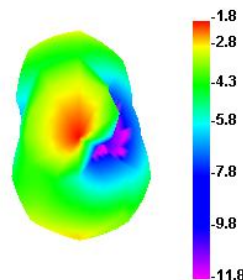


4. Passive Test Data

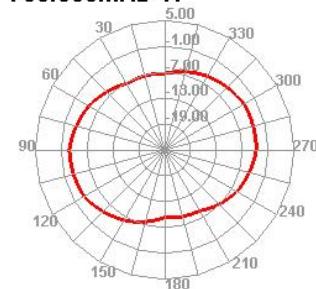


Freq (MHz)	Effi (%)	Gain (dBi)
690	33.19	-1.42
700	33.43	-1.8
710	36.52	-1.23
720	37.43	-1.1
730	41.64	-0.16
740	39.41	-0.04
750	43.54	0.63
760	38.46	0.13
770	39.76	0.17
780	38.21	-0.06
790	38.38	-0.15
800	42.66	-0.04

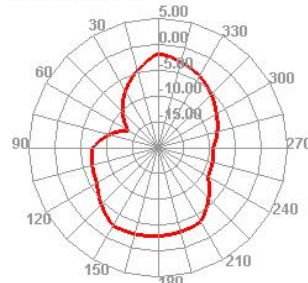
700.000MHz



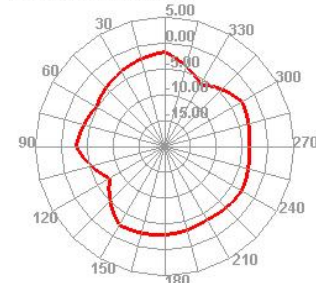
700.000MHz H



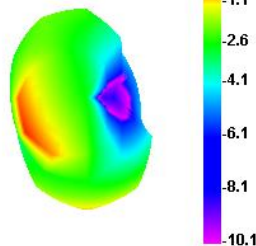
700.000MHz E1



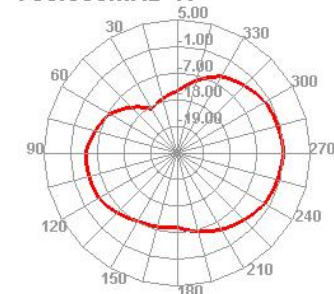
700.000MHz E2



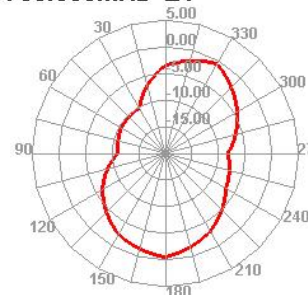
780.000MHz



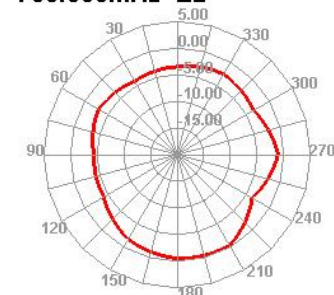
780.000MHz H



780.000MHz E1



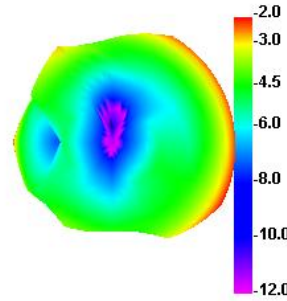
780.000MHz E2



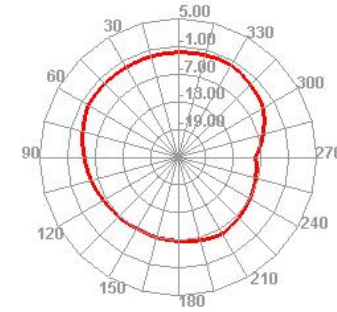
5. Passive Test Data

Freq (MHz)	Effi (%)	Gain (dBi)
1710	29.34	-2
1730	30.85	-1.66
1750	32.88	-0.59
1770	37.19	0.16
1790	42.6	0.62
1810	43.36	0.58
1830	47.94	1.06
1850	49.66	1.14
1870	51.5	0.97
1890	49.29	0.37
1910	46.59	0
1930	46.9	0.26
1950	50.77	1.04
1970	48.09	0.98
1990	43.51	0.53
2010	42.05	0.25
2030	36.11	-0.77
2050	36.86	-0.17
2070	36.86	-0.26
2090	36.82	0
2110	45.42	0.9
2130	45.68	1.02
2150	41.91	0.84
2170	36.55	0.12
2190	37.38	0.06

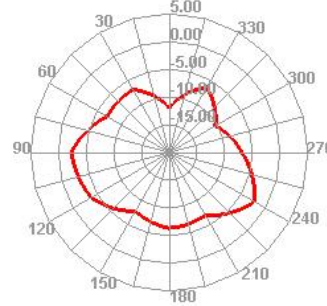
1710.000MHz



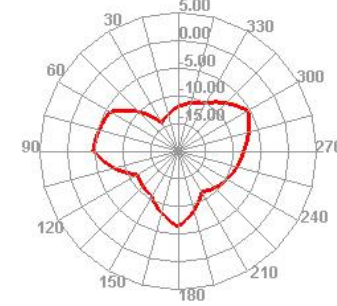
1710.000MHz H



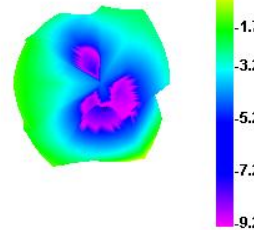
1710.000MHz E1



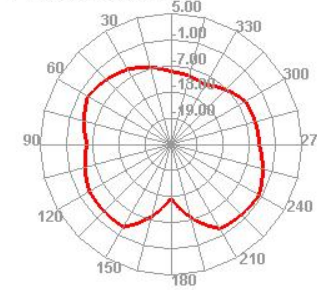
1710.000MHz E2



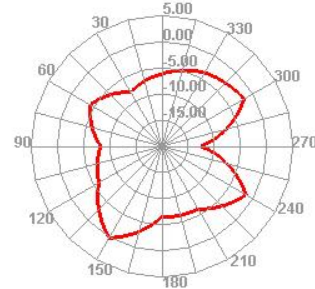
2150.000MHz



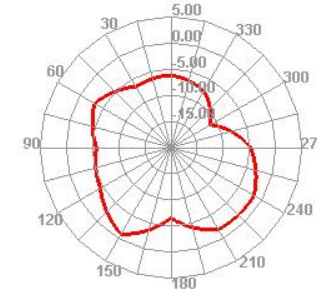
2150.000MHz H



2150.000MHz E1



2150.000MHz E2



6. 4G Antenna OTA Data

Test Result	eMTC2 TRP	
	18650	19150
Frequency (MHz)	1855	1905
Txp Ave (dBm)	19.17	18.53
Test Result	eMTC2 TIS	
	1150	
Frequency (MHz)	1985	
Sens Ave (dBm)	-93.97	

Test Result	eMTC4 TRP	
	20000	20350
Frequency (MHz)	1715	1750
Txp Ave (dBm)	16.99	17.49
Test Result	eMTC4 TIS	
	2350	
Frequency (MHz)	2150	
Sens Ave (dBm)	-91.82	

Test Result	eMTC12 TRP	
	23035	23155
Frequency (MHz)	700.5	712.5
Txp Ave (dBm)	16.84	17.14
Test Result	eMTC12 TIS	
	5155	
Frequency (MHz)	742.5	
Sens Ave (dBm)	-90.69	

Test Result	eMTC13 TRP	
	23205	23255
Frequency (MHz)	779.5	784.5
Txp Ave (dBm)	17.11	16.84
Test Result	eMTC13 TIS	
	5255	
Frequency (MHz)	753.5	
Sens Ave (dBm)	-90.1	

7. Antenna Assembly Method





Company Profile

Shenzhen Dibitong Communication Equipment Co., Ltd. was founded in October 2008. With a 1,000- square- meter R&D laboratory, it is a high- tech enterprise integrating the R&D, production, sales and service of communication antennas.

Focused on wireless mobile communication technology and contactless mobile payment technology, the Company' s main products include built- in antennas for wireless mobile terminals (for mobile phones, POS machines, PDAs, mobile PCs, etc.), NFC contactless mobile payment antennas and other antenna products. In addition to selling mobile terminal antenna products, the Company also provides customers with RF wireless performance testing services and solutions for complete mobile terminal devices.

The Company is equipped with advanced instruments and facilities, as well as plastic and hardware mold factories, delivering a reliable antenna hardware R&D platform for customers.

Upholding the corporate tenet of "Integrity in Operation, Quality First", Dibitong provides customers with high- quality products and persistent services.

Corporate Vision

To enable everyone to access high- quality communications.

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