



OTA TEST REPORT

Applicant blackview
Project name C30
Date of report November 23.10.25
Engineer Feng Guo Jun



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01

Test Laboratory

1.1 Notes of the Test Report

This report shall not be reproduced in full or partial, without the written approval of **Shenzhen Maya Communication Equipment Co. , Ltd.** The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. Measurement Uncertainties were not taken into account and are published for informational purposes only. This report is written to support regulatory compliance of the applicable standards stated above.

1.2 Test facility

CERTIFICATE OF COMPLIANCE N° CC.126.2.16.MVI.A

Shenzhen Maya Communication Equipment Co. , Ltd. has been included in the Italian Institute of Laboratory Accreditation Executive Measurement

1.3 Testing Location

Company: Shenzhen Maya Communication Equipment Co. , Ltd.

Address: 2/F, Unit 2, Building 1, Guanghui Science and Technology Park, Minqing Road, Longhua District, Shenzhen City, Guangdong Province

Post code: 518000

Contact: feng guo jin

Telephone: 13425109220

Laboratory Environment

Temperature	22°C-25°C	
Relative humidity	≤80%	
Shield effect	0.7-6GHz	> 100dB
Ground resistance	<0.5Ω	



02

General Description of Equipment under Test

2.1 Applicant and Manufacturer Information

Applicant Name	blackview
Applicant address	3 / F, Block B, Weidong Long Business Building, Longhua District, Shenzhen
Manufacturer Name	Shenzhen Maya Communication Equipment Co. , Ltd.
Manufacturer address	2/F, Unit 2, Building 1, Guanghui Science and Technology Park, Minqing Road, Longhua District, Shenzhen City, Guangdong Province

2.2 General Information

EUT Description	
Project name	C30
Antenna Type	PIFA
Antenna Manufacturer	Shenzhen Maya Communication Equipment Co. , Ltd.
Test Frequency	700-960MHz 1710-2700MHz 2400-2500MHz 1570-1580MHz 5200-5800MHz
Note:The EUT is sent from the applicant to MAYA and the information of the EUT is declared by the applicant. All indications of Pass/Fail in this report are opinions expressed by MAYA based on interpretations and/or observations of test results.Measurement Uncertainties were not taken into account and are published for informational purposes only.	

2.3

Test Date

The test is performed from November 8,2022 to November 23.05.10

2.4

Receiving Date

The sample was received on November 23.10.25

2.5

Applied Standards

According to the specifications of the manufacturer,it must comply with the requirements of the following standards.

Test Method:Have been manufactured and tested following the MV Italy procedure and according to ISO 9001 requirements.

Test lab.of the antenna gain and radiation pattern measurement :
Shenzhen Maya Communication Equipment Co. , Ltd.



03

Test Conditions

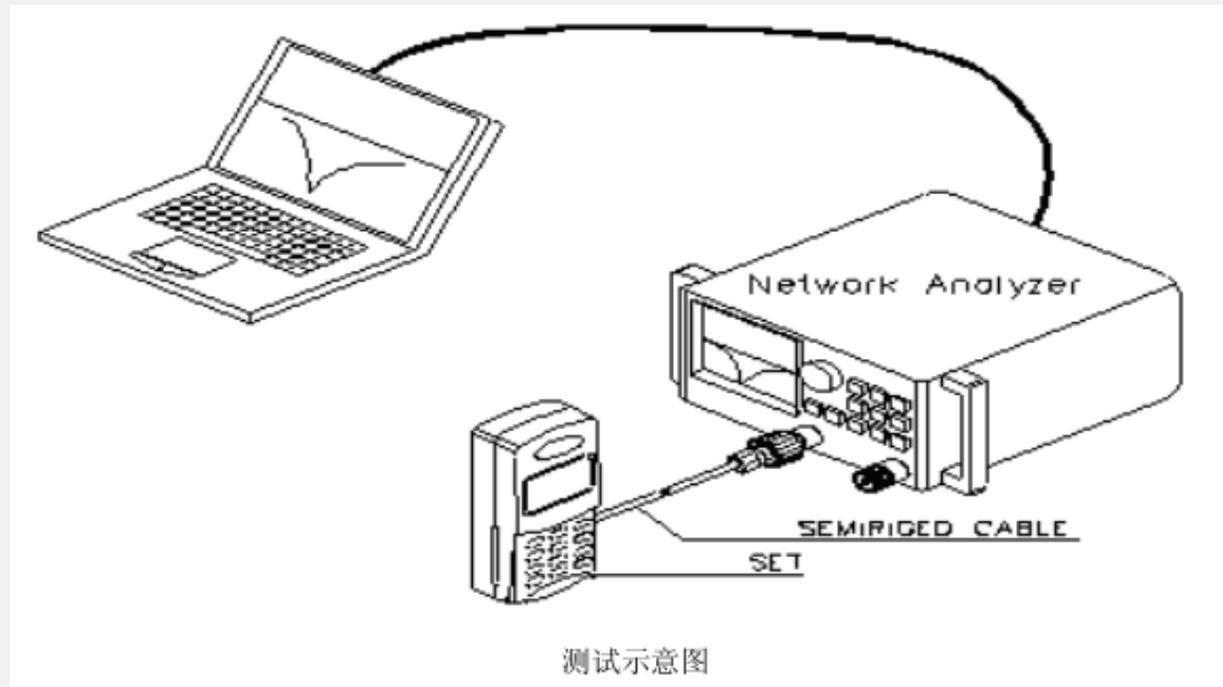
Test method description and data

Device name	Purpose
Vector Network Analyzer	S11/Impedance/ Passive Test
Agilent 8960 SP6010 R&S CMU200	Mobile Communication Device Test including GSM, GPRS, EDGE, CDMA2000,1XEV-DO, TD-SCDMA, WCDMA, HSDPA
R&S CMW500 MT8820C	Mobile phone test including TD-SCDMA, WCDMA, HSDPA, LTE, WIFI, GPS
SP9500E	Contains 5G, SA, NSA
Agilent E4438C	Test active GPS
MVG Chamber	Passive Test / OTA active Test / Efficiency/Gain

Passive Test Report

Test Equipment: Network analyzer

Test method: A 50 ohm CABLE is used to export from the instrument test port. After calibration, the SMA Joint of the handset is connected with the calibrated parts, and the data of the relevant frequency points such as echo loss or standing wave ratio is recorded.



Active Test Report

TRP/TIS

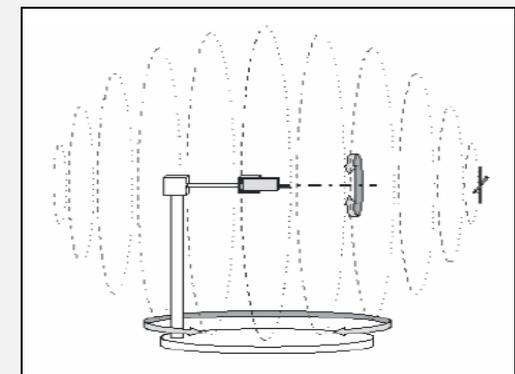
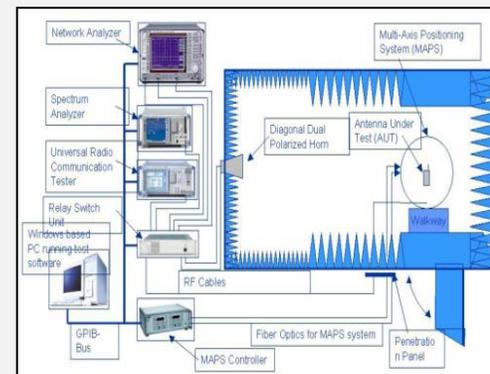
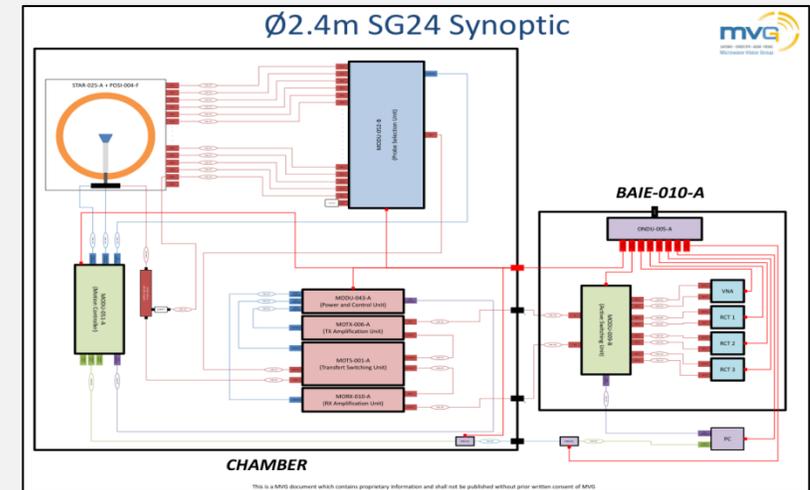
Testing Tools: General Surveyor, Network Analyzer, full-wave Far-field ETS, French MVG SG24LT (Satmio) near-field 3D anechoic chamber, High Precision positioning system and its controller and computer test environment with automatic test program: Temperature $22^{\circ}\text{C} \pm 3^{\circ}\text{C}$, humidity $60\% \pm 15\%$: Using the Test Method and calculation of TRP in EST or Satimo 24LT system software, DUT (Device Under Test) is in the state of maximum transmitting power when TRP is tested, the position of the DUT is controlled by the positioning system. The 15-degree step is used to measure the 3D effective radiated power (EIRP) at each point. The mean value on the sphere is calculated by integrating, The formula is as follows:

$$TRP \cong \frac{\pi}{2NM} \sum_{i=1}^{N-1} \sum_{j=0}^{M-1} [EiRP_{\theta}(\theta_i, \phi_j) + EiRP(\theta_i, \phi_j)] \sin(\theta_i)$$

Active Test Report

In the TIS test, the DUT is in the state of maximum transmitting power. Three channels are selected to test. By controlling the position of the DUT, the receiving sensitivity of each point of the 3D is measured at a step length of 30 degrees, the mean value on the sphere is calculated by integration, The formula is as follows:

$$TIS \cong \frac{2NM}{\pi \sum_{i=1}^{N-1} \sum_{j=0}^{M-1} \left[\frac{1}{EIS_{\theta}(\theta_i, \phi_j)} + \frac{1}{EIS_{\phi}(\theta_i, \phi_j)} \right] \sin(\theta_i)}$$





04

Test Results

Active test

BAND	GSM900			DCS1800		
CHANNAL	1	62	124	512	698	885
TRP	26.01	26.10	26.55	24.23	24.06	24.04
TIS			-100.86			-102.06
BAND	GSM850			PCS1900		
CHANNAL	128	192	251	512	661	810
TRP	25.56	25.55	25.27	24.53	24.36	24.04
TIS			-100.27			-101.68

Active test

BAND	WCDMA 1			WCDMA 2		
CHANNAL	L	M	H	L	M	H
TRP	17.44	17.57	17.23	17.01	16.94	17.17
TIS			-103.28			-107.06

BAND	WCDMA 4			WCDMA 5		
CHANNAL	L	M	H	L	M	H
TRP	17.54	18.02	17.63	15.03	15.52	16.07
TIS			-103.06			-103.89

BAND	WCDMA 8			B1		
CHANNAL	L	M	H	L	M	H
TRP	15.31	16.29	17.22	17.64	17.90	17.82
TIS			-103.66			-89.05

Active test

BAND	B2			B3		
CHANNAL	L	M	H	L	M	H
TRP	17.52	17.57	17.51	17.15	17.50	17.42
TIS			-92.74			-94.05
BAND	B4			B5		
CHANNAL	L	M	H	L	M	H
TRP	17.25	17.65	17.59	15.08	15.66	16.25
TIS			-89.07			-90.60
BAND	B7			B8		
CHANNAL	L	M	H	L	M	H
TRP	16.10	16.24	15.85	15.03	16.52	16.77
TIS			-90.69			-90.36

Active test

BAND	B12			B13		
CHANNAL	L	M	H	L	M	H
TRP	15.07	15.16	15.14	15.61	15.84	15.84
TIS			-90.99			-90.13
BAND	B17			B25		
CHANNAL	L	M	H	L	M	H
TRP	14.98	14.87	15.19	17.35	17.21	17.03
TIS			-90.54			-92.03
BAND	B26			B28		
CHANNAL	L	M	H	L	M	H
TRP	14.61	15.08	16.09	15.70	15.15	15.02
TIS			-90.68			-89.39

B66			B41		
L	M	H	L	M	H
17.03	17.58	17.58	15.86	16.17	16.81
		-89.03			-87.08

Active test

BAND	WIFI-B			WIFI-G		
CHANNAL	L	M	H	L	M	H
TRP	13.07	13.45	13.37	11.07	11.29	11.33
TIS			-82.32			-70.10
BAND	WIFI-N			WIFI-A		
CHANNAL	L	M	H	L	M	H
TRP	10.55	10.56	10.68	10.37	10.25	10.42
TIS			-66.03			-71.28
BAND	WIFI-AC			GPS		
CHANNAL	L	M	H			
TRP	10.38	10.24	10.39	CN	40.66	
TIS			-64.26	TIS	-154.10	

5.1

Active test

射频增益规格书		
产品名 (中英文)		
产品型号		
商标		Antenna Gain(dBi):
2G 频段选择 GSM Band	■850	0.3
	■900	0.4
	■1800	0.7
	■1900	0.8
3G 频段选择 WCDMA UITS Band	■WCDMA band 1	0.8
	■WCDMA band 2	0.9
	■WCDMA band 4	0.8
	■WCDMA band 5	0.3
	■WCDMA band 8	0.4

4G 频段选择

■LTE band 1	0.8
■LTE band 2	0.9
■LTE band 3	0.8
■LTE band 4	0.8
■LTE band 5	0.3
■LTE band 7	1.0
■LTE band 8	0.4
■LTE band 12	0.2
■LTE band 13	0.3
■LTE band 17	0.2
■LTE band 25	0.8
■LTE band 26	0.3
■LTE band 28	0.2
■LTE band 66	0.7
■LTE band 41	0.9

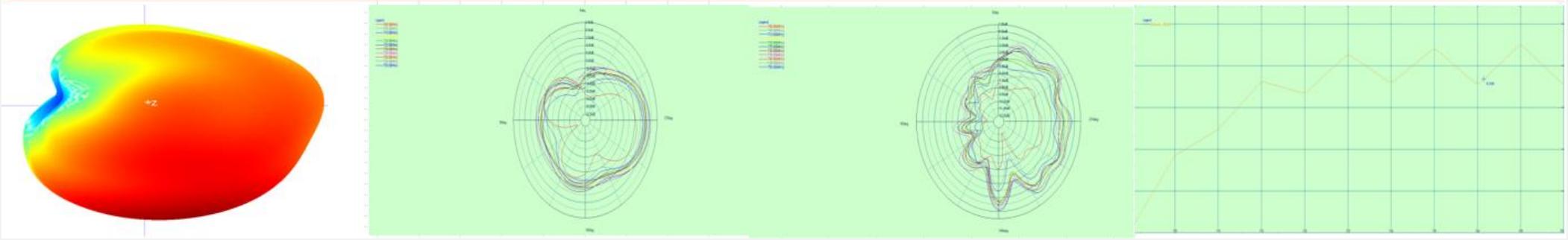
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Active test

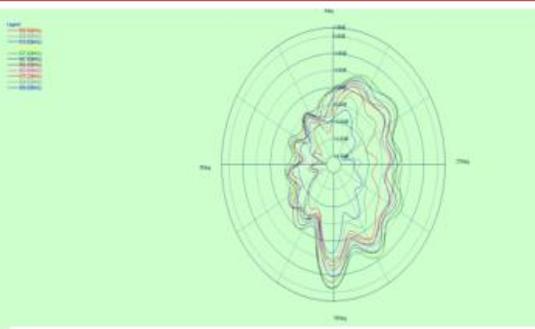
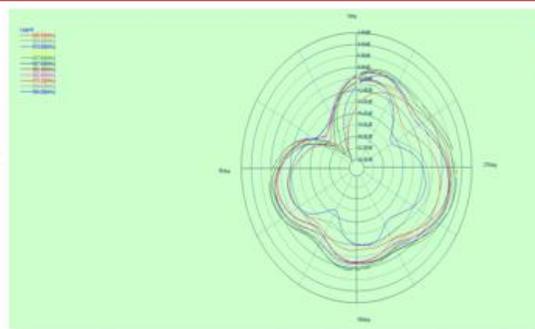
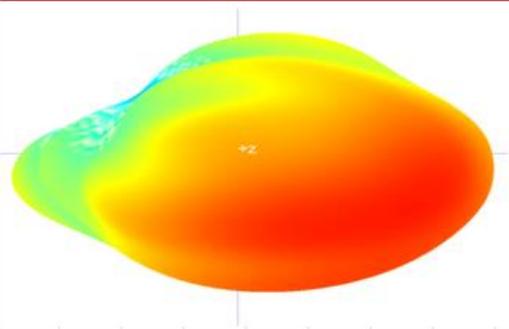
WIFI 2.4GHz	■802.11b 2.4GHz	1.5
	■802.11g 2.4GHz	
	■802.11n(20M) 2.4GHz	
	■802.11n(40M) 2.4GHz	
WIFI 5GHz(CE)	■802.11a/n5150-5250	1.2
	802.11a/n 5250-5350 (DFS)	
	802.11a/n 5470-5725 (DFS)	
	802.11ac 80M 160M	
WIFI 5GHz(FCC)	■802.11a/n 5150-5250	1.5
	802.11a/n 5250-5350 (DFS)	
	802.11a/n 5470-5725 (DFS)	
	802.11a/n 5725-5850	
	802.11ac 80M 160M	
Bluetooth	■Bluetooth 3.0 通用蓝牙 (2.1+EDR)	1.5
	■Bluetooth 4.0BLE only (4.0 单模)	
	Bluetooth 4.0with BLE (4.0 双模)	
	■Bluetooth 5.1with BLE (4.1 双模)	
GPS	■1.57GHz	1.6



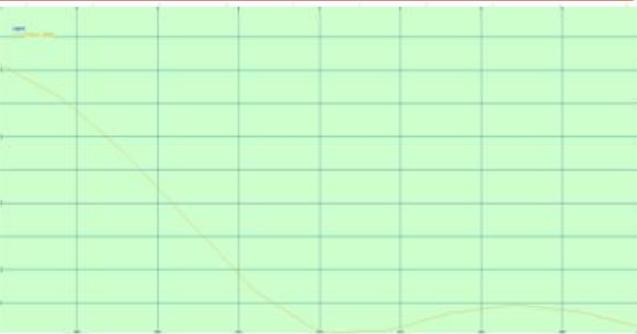
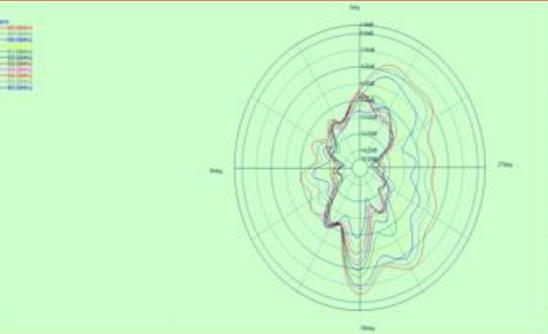
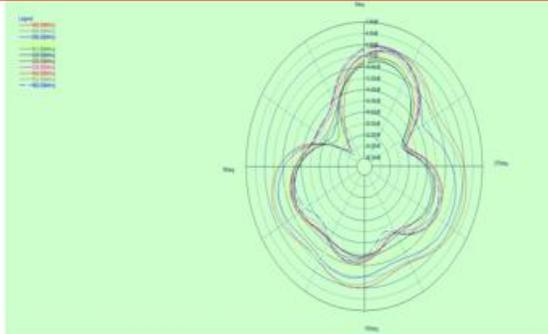
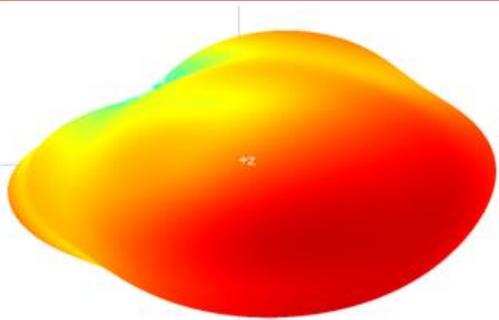
700-750M



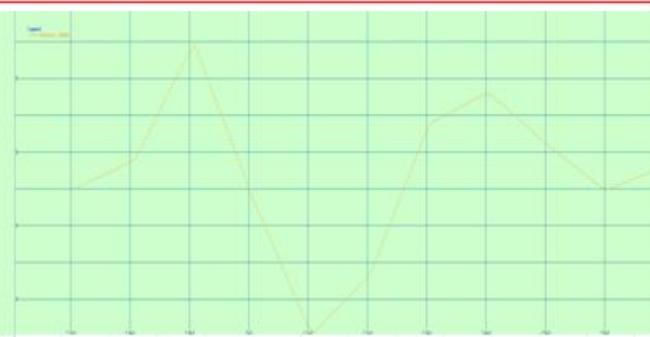
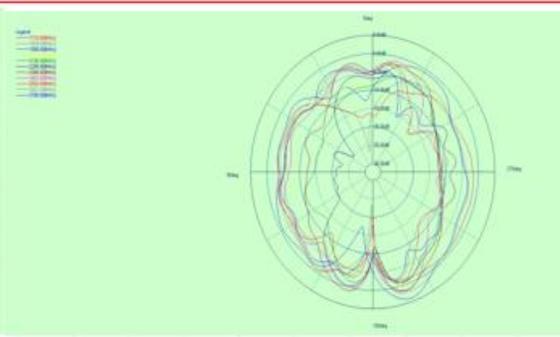
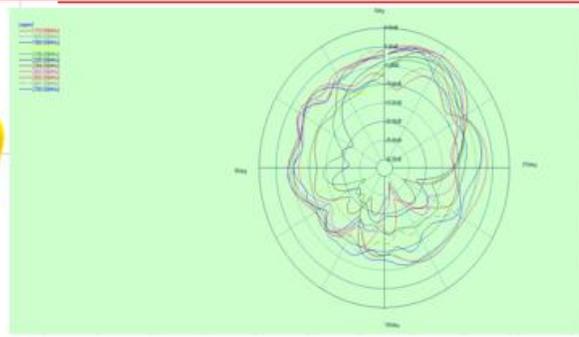
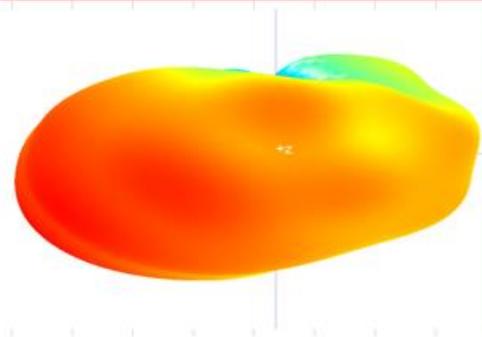
800-894M



880-960M



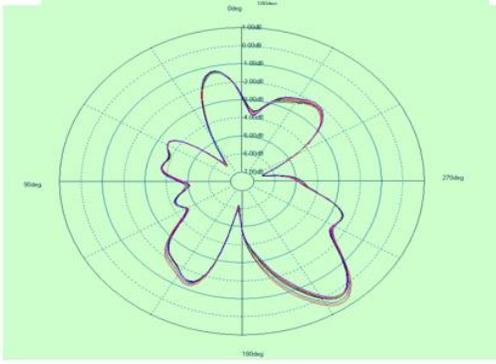
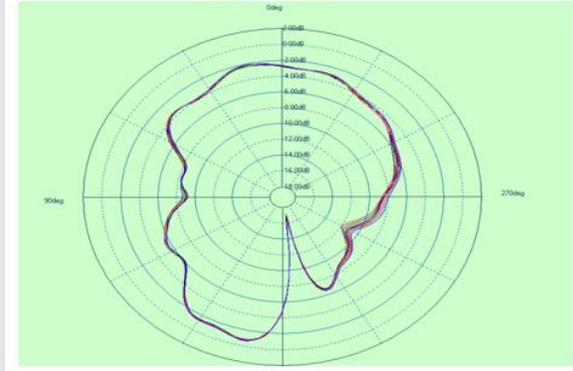
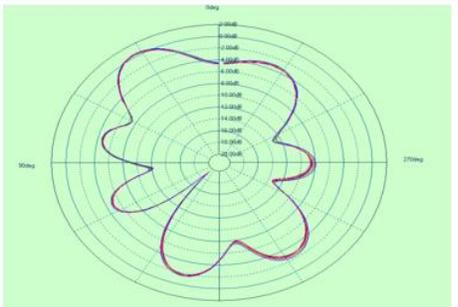
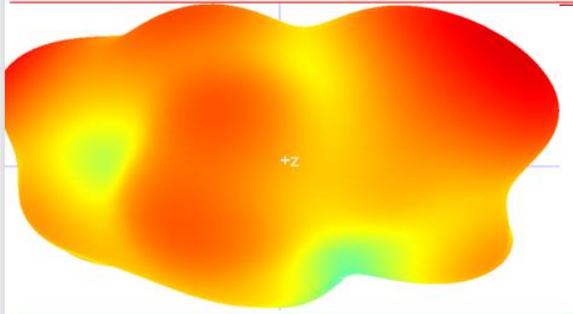
1710-2700M



5.1

Active test

GPS

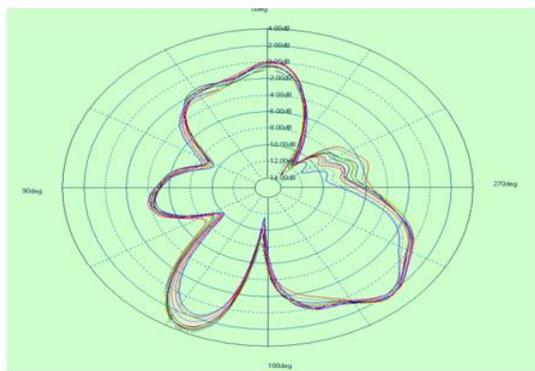
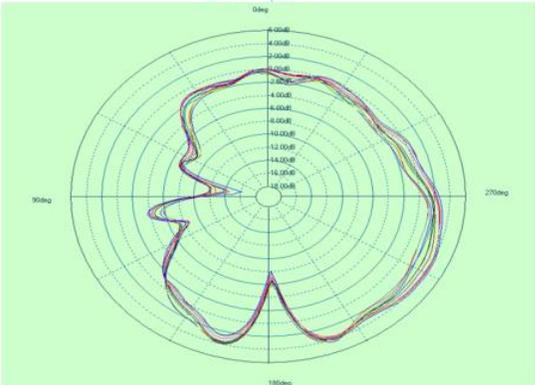
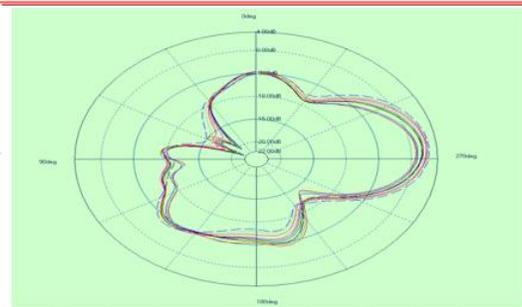
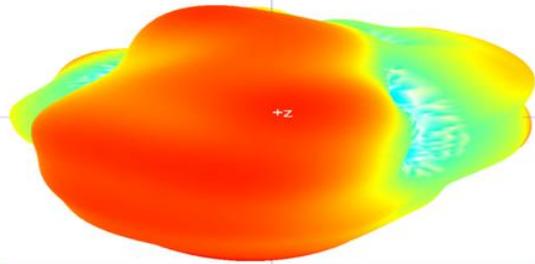


5.1

Active test



2.4G



5.1

Active test



5. 2G-5. 8G

