

Sample seal

ZTX		
FICTION	DQE	R&D
Customer		
PUR	QC	R&D

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APPROVAL SHEET REVISION HISTORY

Version	Date	Change Description	Note
Rev. 1.0	2026.03.11	First edition approval sheet	

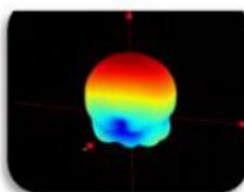
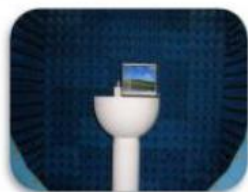
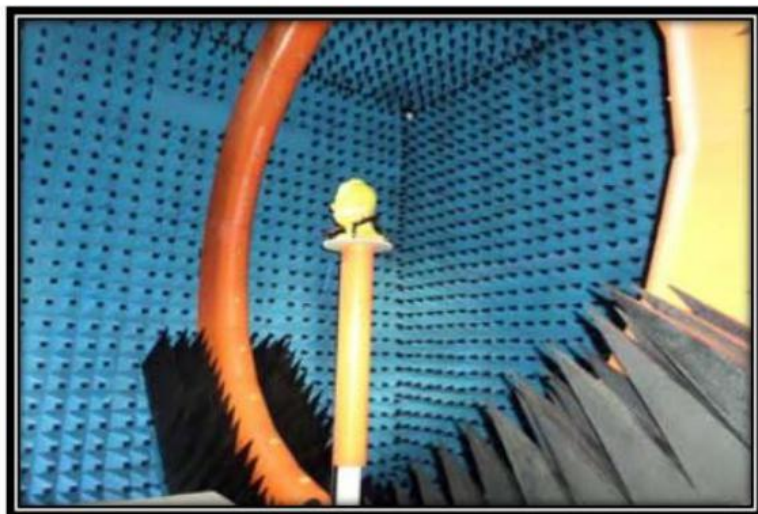
Index

一、Cover	1
二、Colophon	2
三、Index	3
四、The basic parameters	4
五、Test Equipment & Conditions	5
六、Test Report	6-10

The basic parameters

Electrical Characteristics	
Frequency	2400MHz~2500MHz
VSWR	< 3
Efficiency	>10%
Impedance	50 Ohm
Polarization	Linear
Peak Gain	<3.5dBi
Antenna type	Ceramic
B. Material & Mechanical Characteristics	
Material of Radiator	Ceramic
C. Environmental	

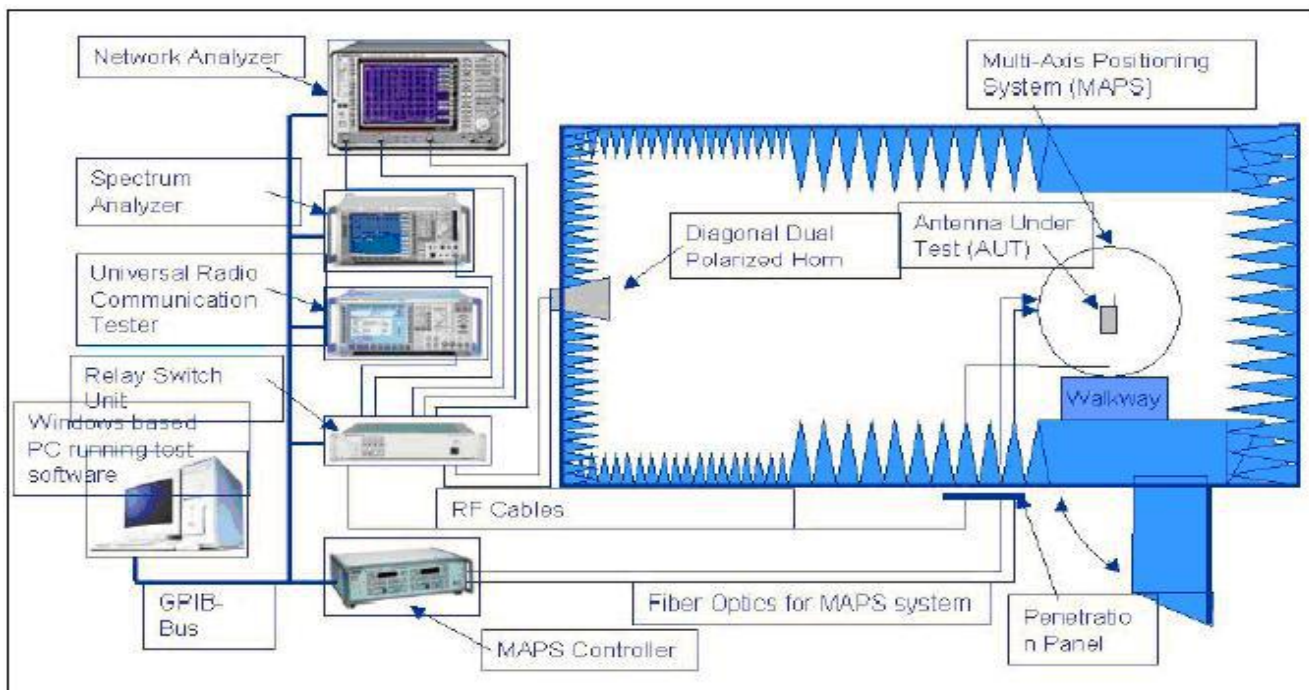
Test Equipment & Conditions



Owned 6 microwave dark room, equipped 2 sets world leading France Satimo SG24 OTA certification test systems (one in SHENZHEN, another one in Shanghai), ETS OTA Standard test system, Blue test reverberation test system which is High repeatability, high accuracy and high resolution. It can quickly provide accurate test reports, fully meet the CTIA standards.

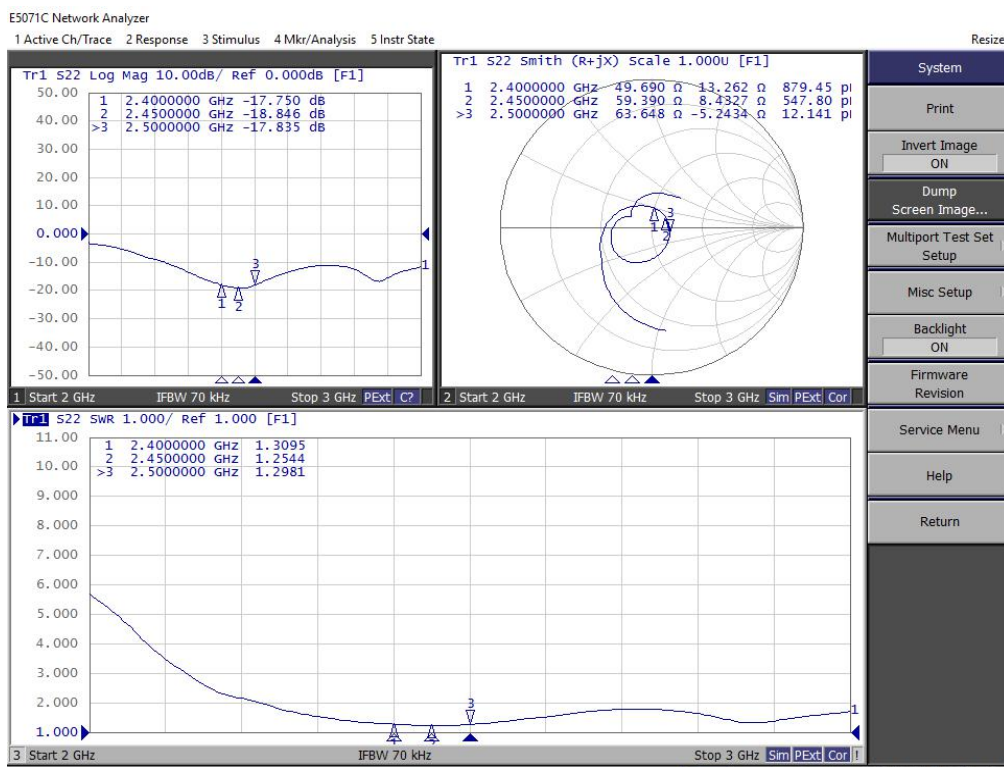
Testing range:

Support active, passive testing of
GSM/CDMA/WCDMA/TD-SCDMA/LTE/WIFI/WLAN/WiMax/BT/GPS/MIMO/UWB within 0.4-6G.



Antenna Impedance: S22

HANDSET:



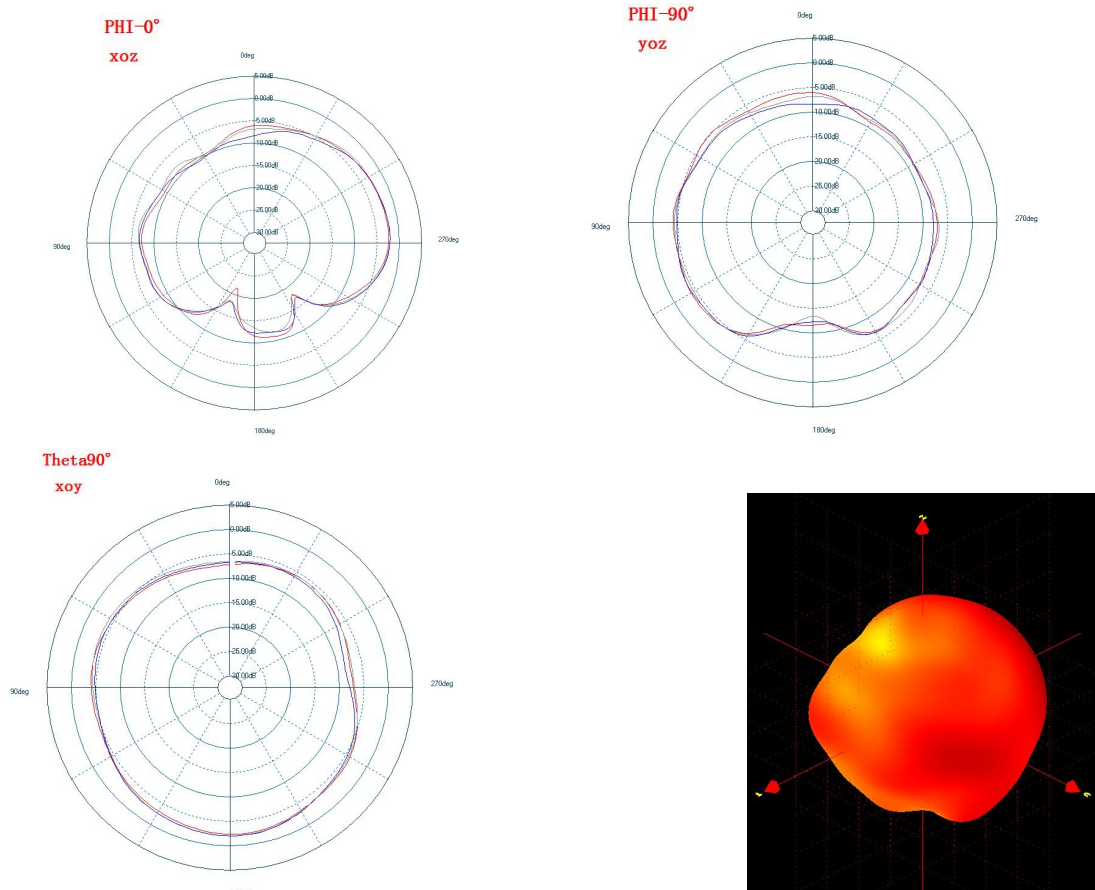
Efficiency & Gain:

HANDSET:

Frequency. MHz	Efficiency. %	Efficiency. dB	Gain. dB
2402	23%	-6.32	-2.28
2406	23%	-6.33	-2.23
2410	23%	-6.33	-2.22
2414	23%	-6.34	-2.18
2418	23%	-6.31	-2.11
2422	24%	-6.23	-2.00
2426	24%	-6.20	-1.90
2430	24%	-6.19	-1.87
2434	24%	-6.12	-1.85
2438	24%	-6.14	-1.98
2442	24%	-6.18	-2.02
2446	24%	-6.27	-2.21
2450	24%	-6.27	-2.21
2454	24%	-6.26	-2.23
2458	24%	-6.26	-2.30
2462	23%	-6.34	-2.37
2466	23%	-6.37	-2.25
2470	23%	-6.39	-2.24
2474	23%	-6.37	-2.15
2480	23%	-6.35	-2.01
Avg:	24%		-2.13

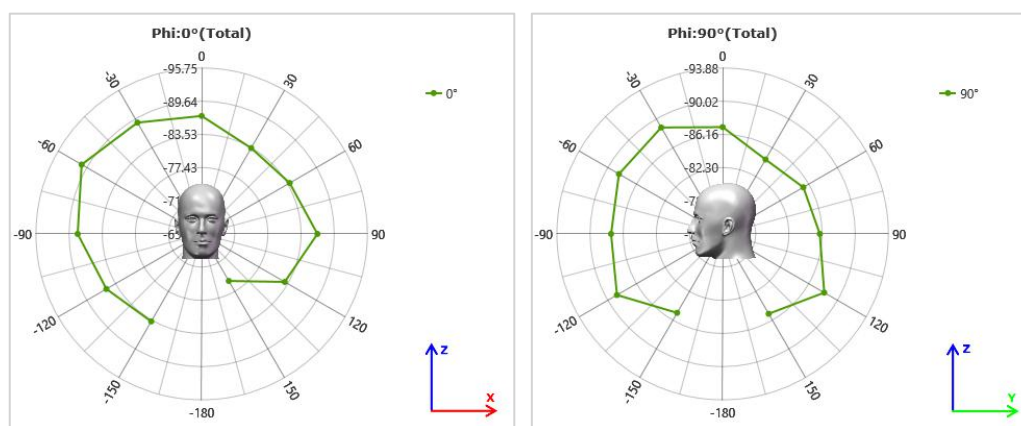
3D & 2D Passive Antenna Patterns:

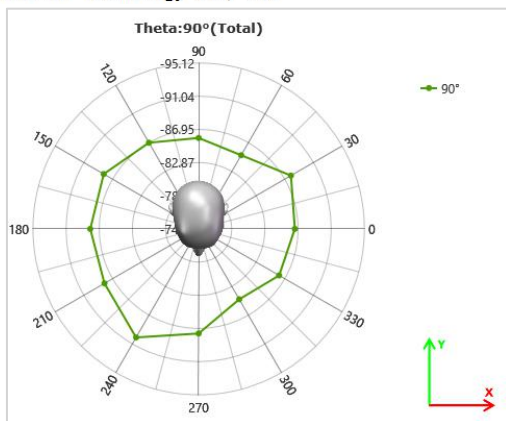
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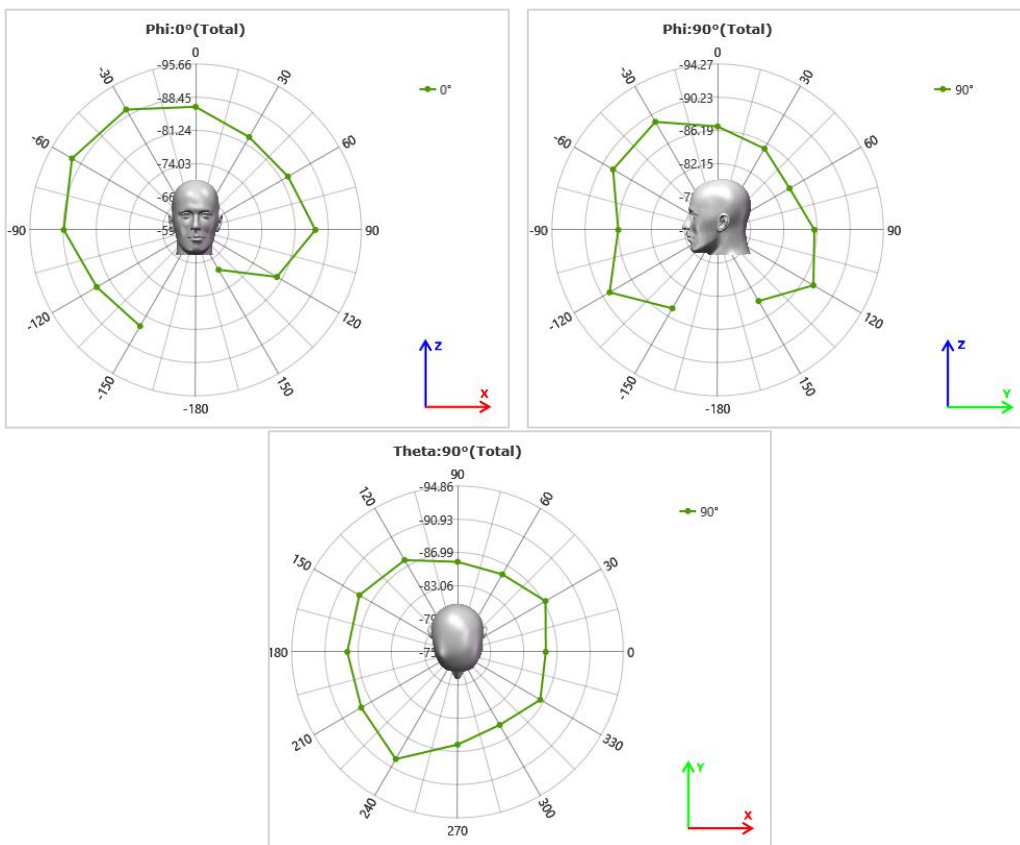
2D TIS Radiation Pattern:

HANDSET 0 Channel

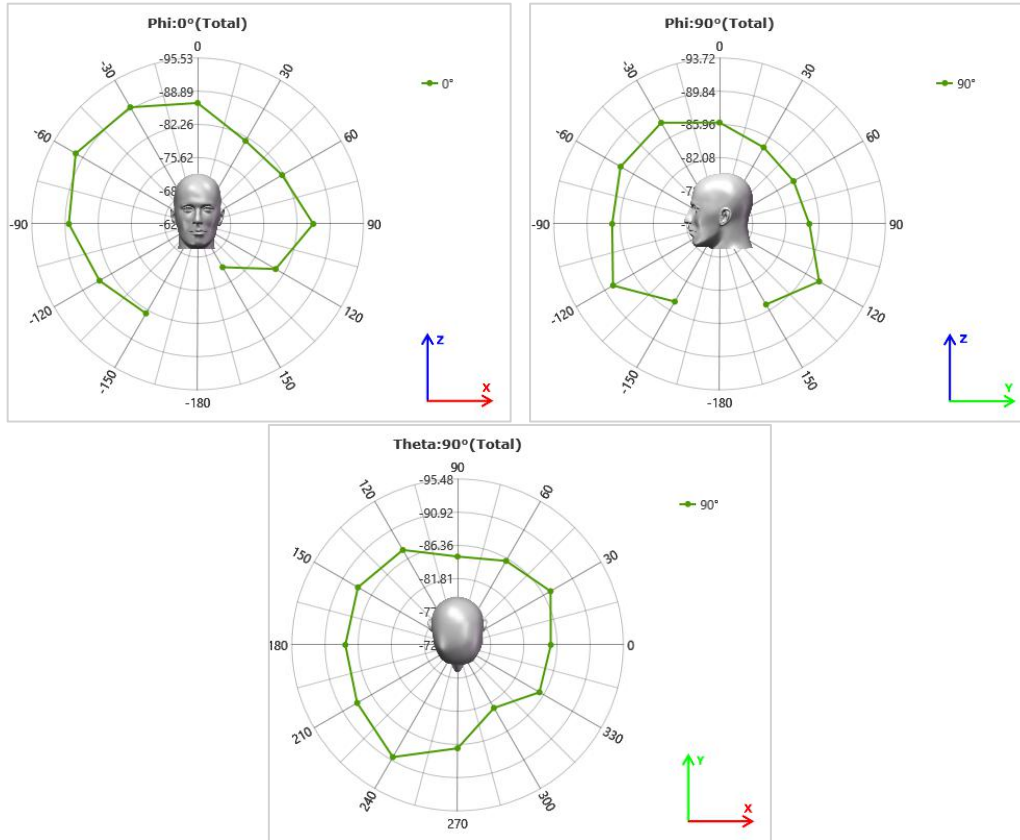




HANDSET 20 Channel



HANDSET 39 Channel I



OTA:

HANDSET		
Channel	TRP (dBm)	TIS (dBm)
0	-0.28	-87.1
20	-0.2	-87.19
39	-0.17	-86.92

Antenna 3dB Beamwidth Labeling:

HANDSET:

