

Data Sheet

CUSTOMER: DELL

MODEL NAME: HS2404

CUSTOMER P/N: 1DJXR

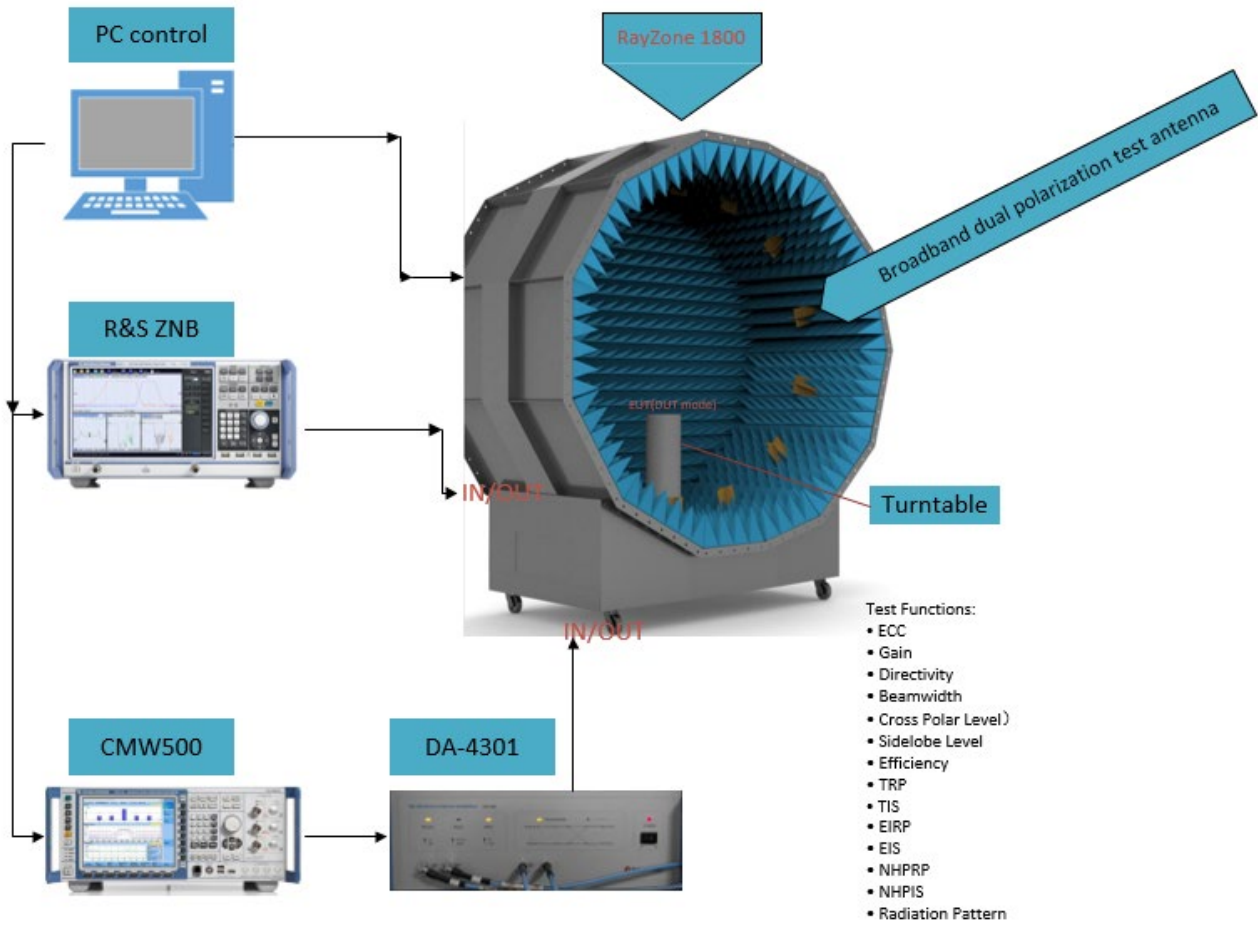
ICT P/N: ☐ Top-link:240000945 ☐

APPROVED	
MANUFACTURER	CUSTOMER
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PREPARED BY:	APPROVED BY:
CHECK BY:	
APPROVED BY:	

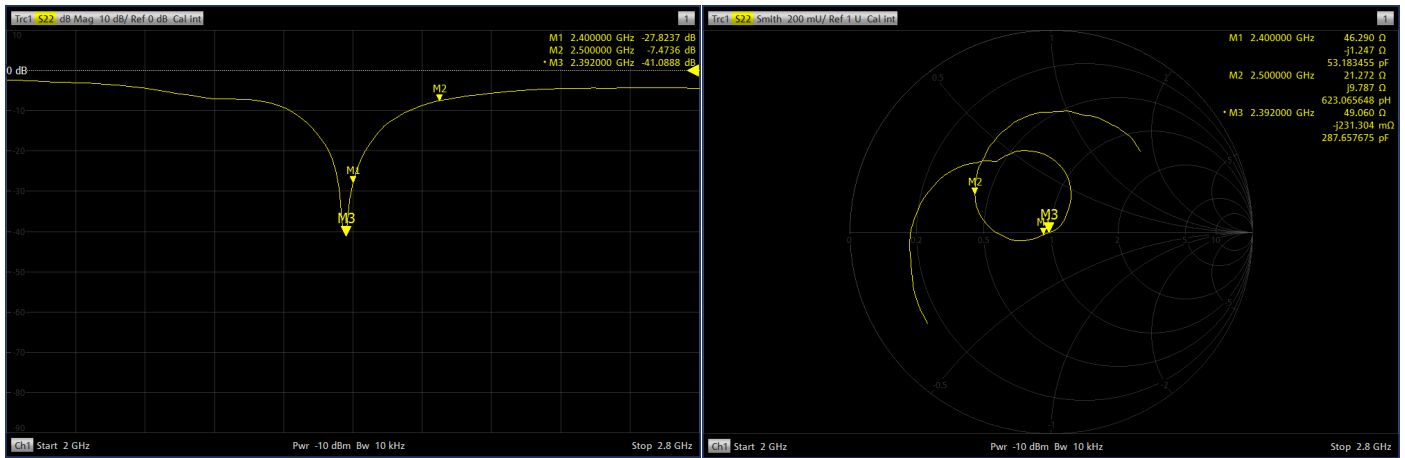
Description

Specifications

Antennas Type	Monopole Antenna for Bluetooth application	
Impedance	50Ω	
Polarization	Linear	
Radiation pattern	Omni-directional	
S11	2.40~2.50 GHz	-27.82Max
Peak EIRP	2.40~2.50 GHz	1.95dB
Peak Gain	2.40~2.50 GHz	1.95dBi
Min EIRP	2.40~2.50 GHz	-21.78dBi
Average Gain	2.40~2.50 GHz	1.42dBi



Circuit Parameter



Passive Test Result

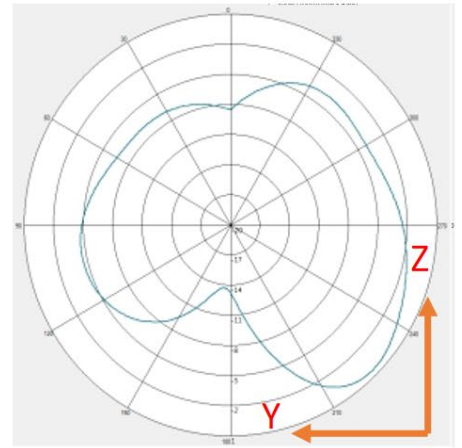
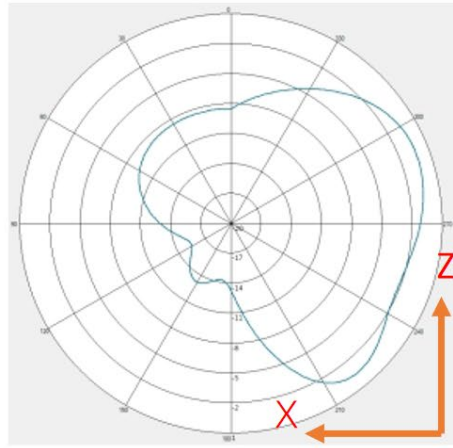
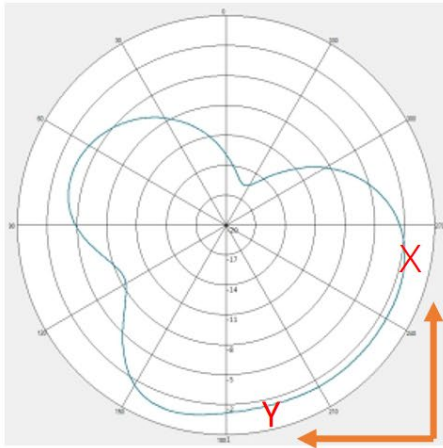
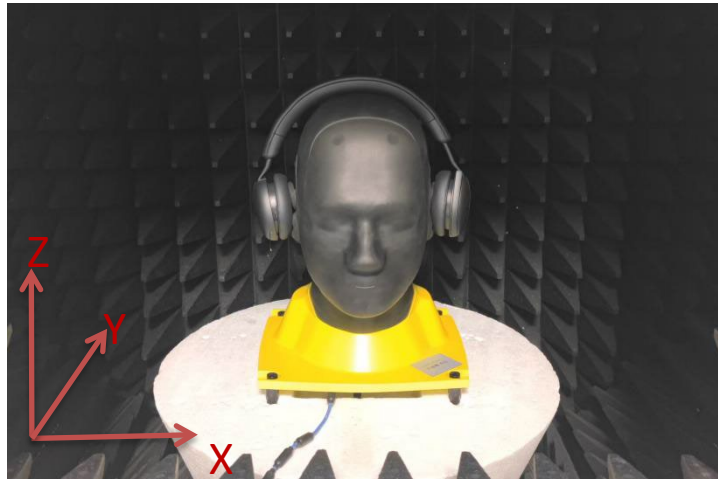
Frequency(MHz)	Efficiency(%)	PeakEIRP	MinEIRP
2400	35.12	1.95	-21.64
2410	35.44	1.74	-21.78
2420	36.11	1.63	-18.60
2430	37.16	1.60	-16.45
2440	36.95	1.41	-16.02
2450	37.00	1.18	-15.48
2460	37.72	1.25	-15.58
2470	37.10	1.03	-15.61
2480	36.98	1.23	-16.07
2490	37.41	1.31	-16.43
2500	36.40	1.28	-17.01

Matching Circuit:

match □ L401=5.1nH C402=Null L403=3.9nH R406=0Ω



Antenna Pattern



Test procedure and Antenna photo

Parameters (R85_ZNB8/Passive/)

Test Setup

Trace Name : S21
 Power : 0 dB
 Bandwidth : 0.3 KHz
 Average Factor : 1
 Test Mode : Log
 Skip Calibration : False

Angular Coordinator Setup

Phi

Step : 30

Theta(Ant No.)

Start : 0

End : 180

Step : 30

Display Setup

Display Frequency Mode : Auto

Display Frequency : MHz

Frequency List

Test Method : Linear Import Clear

	Start(MHz)	End(MHz)	Step(MHz)
1	2400	2500	10
2			

Added Pathloss Correction

Correction Method : None

