

Data Sheet

CUSTOMER: _____

MODEL NAME: _____

CUSTOMER P/N: _____

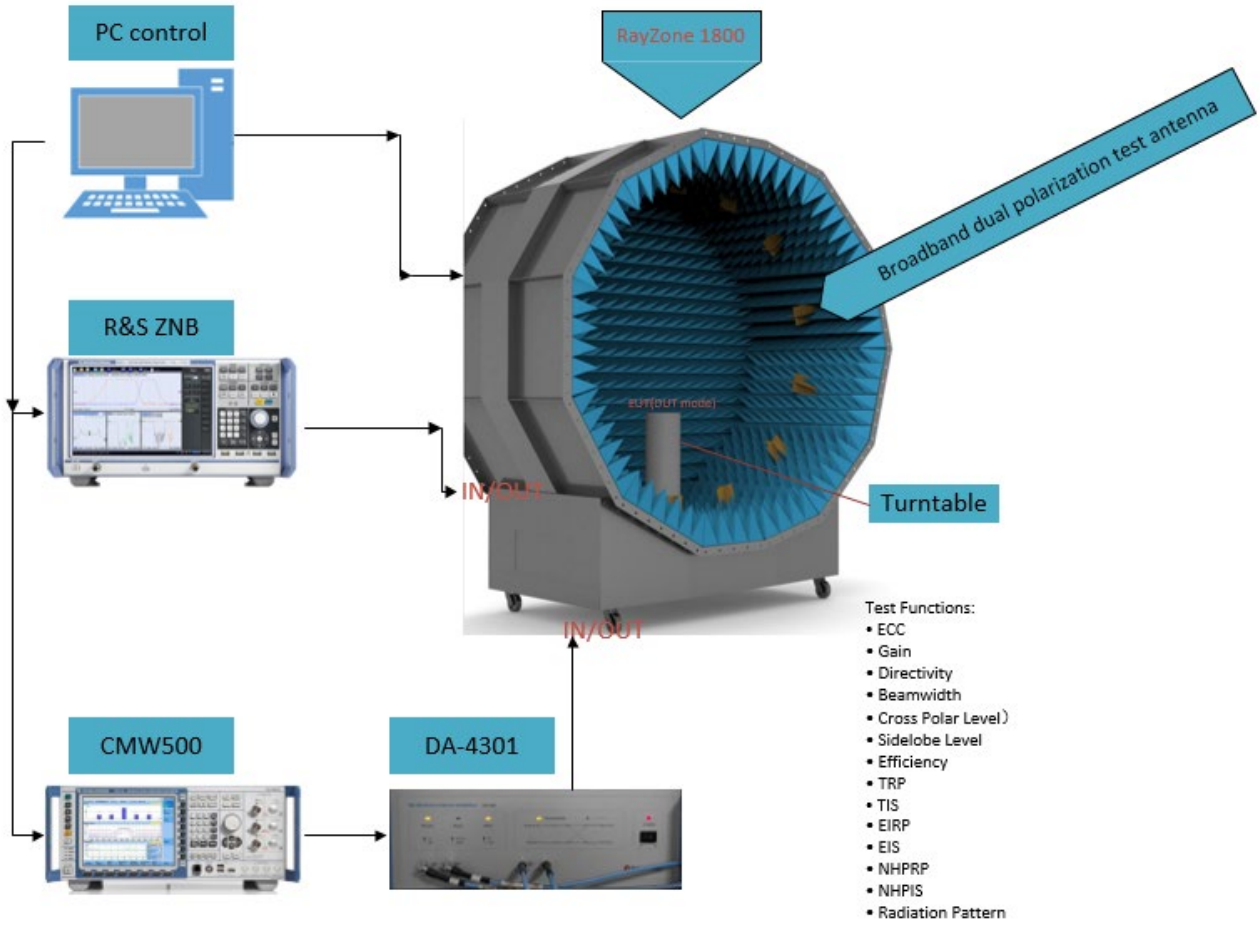
ICT P/N: _____ (Toplink:24000858)

APPROVED	
MANUFACTURER	CUSTOMER
<i>PREPARED BY:</i>	<i>APPROVED BY:</i>
<i>CHECK BY:</i>	
<i>APPROVED BY:</i>	

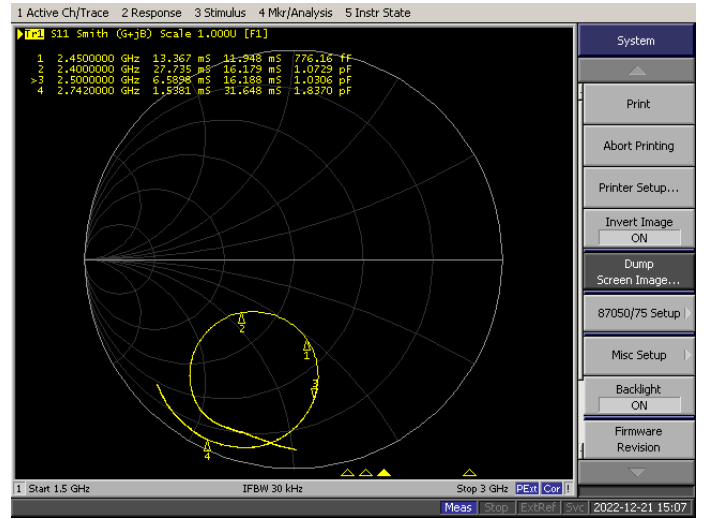
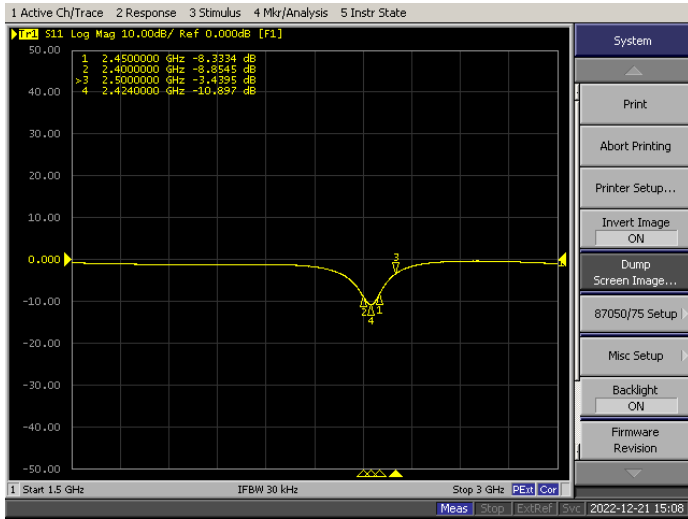
Description

Specifications

Antennas Type	Monopole Antenna for Bluetooth application	
Impedance	50Ω	
Polarization	Linear	
Radiation pattern	Omni-directional	
S11	2.40~2.50 GHz	-10.897Max
Peak EIRP	2.40~2.50 GHz	0.67dB
Peak Gain	2.40~2.50 GHz	0.67dBi
Min EIRP	2.40~2.50 GHz	-25.78dBi
Average Gain	2.40~2.50 GHz	



Circuit Parameter



Passive Test Result

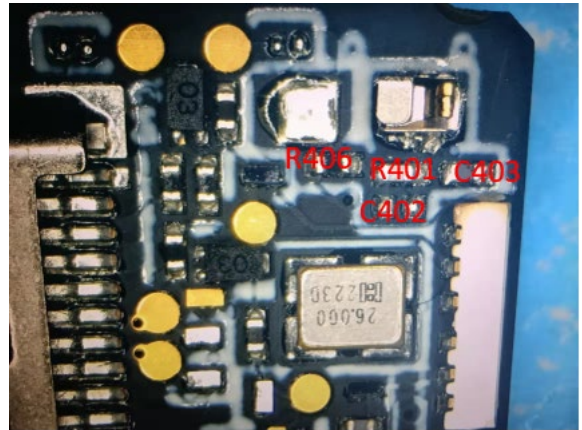
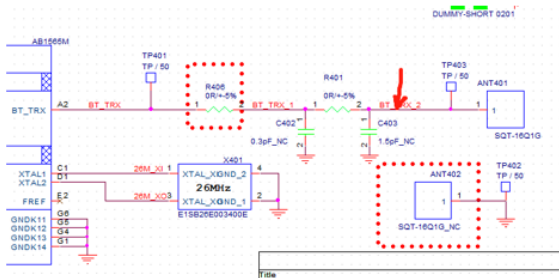
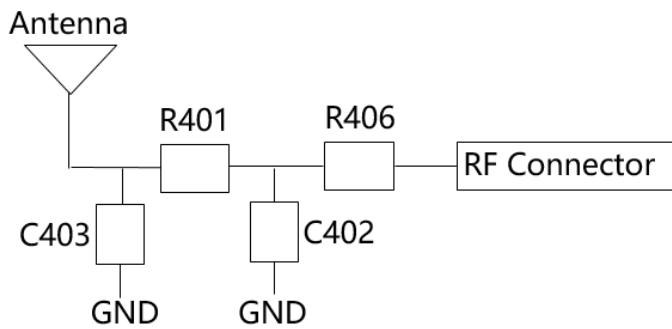
Frequency(MHz)	Efficiency(%)	PeakEIRP	MinEIRP
2400	22.52	-0.02	-25.76
2410	23.94	0.16	-25.14
2420	25.82	0.39	-24.11
2430	26.87	0.62	-23.09
2440	26.63	0.67	-22.90
2450	25.40	0.32	-22.61
2460	24.24	0.07	-22.12
2470	23.15	-0.06	-22.24
2480	22.03	-0.62	-22.66
2490	21.55	-0.86	-22.58
2500	21.36	-1.11	-22.36

Matching Circuit:

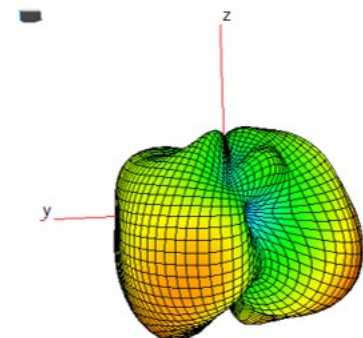
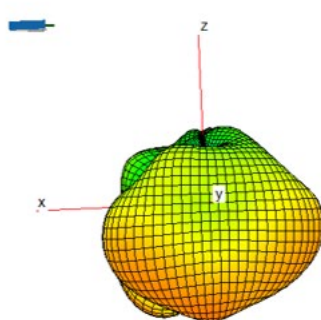
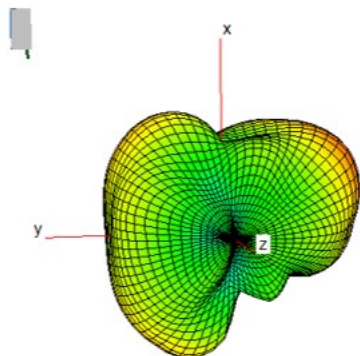
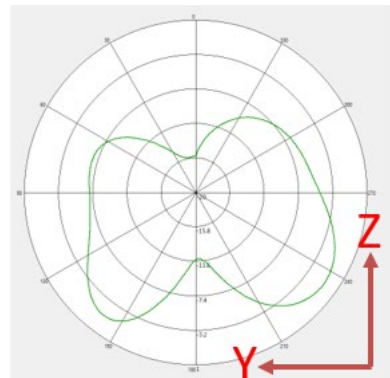
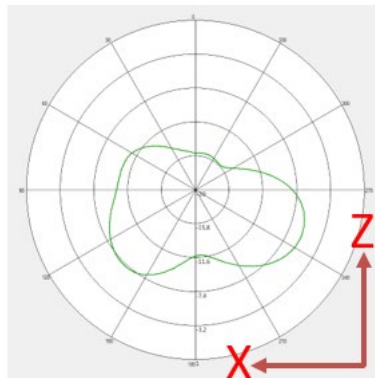
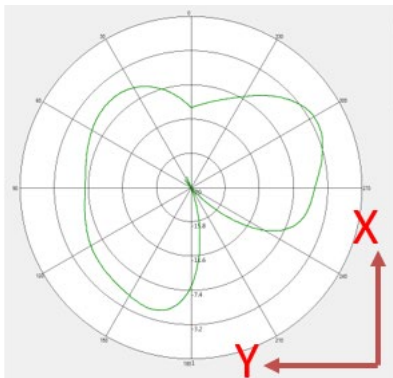
match: R401=2.0pF C402=Null C403=2.5pF R406=0 Ω

2.5pF: GJM0335C1H2R5CB01D

2.0pF: GJM0335C1H2R0CB01D



Antenna Pattern



Test procedure and Antenna photo

Parameters (R85_ZNBB/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

