

Antenna Model: ATH-TWX9

FIC RnD

12July2021

Manufacture: Charter Media (Dongguan) Co., Ltd.
Address: Dabandi Industrial Zone, Daning District, Humen Town, 523930
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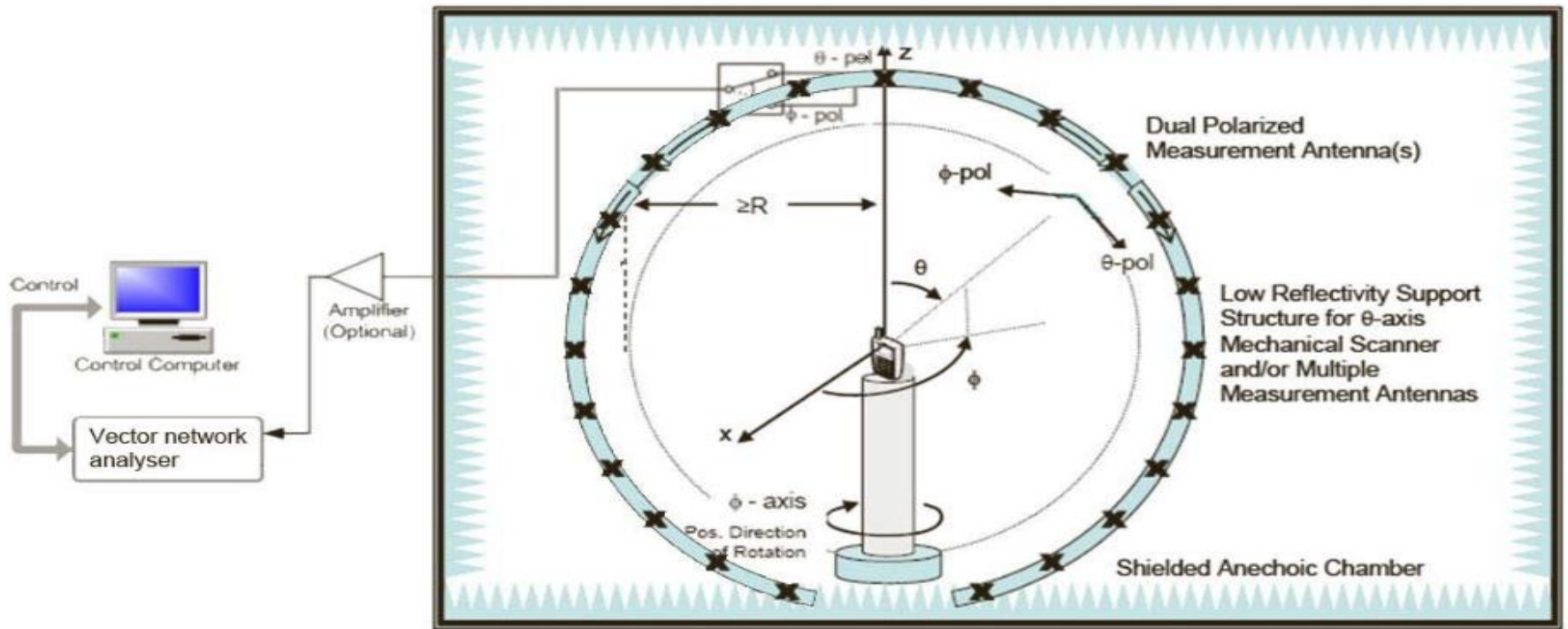
Characteristics:

1. Antenna type: LDS Monopole
2. Gain and efficiency
3. 2D antenna pattern at CH0, CH39 and CH78

Test Environment Condition

- 1) Temperature: 18-30°C
- 2) Relative Humidity: 45-65%

Test Setup:



Test environment



EUT

Lch

TP2001 Lch Original ANT

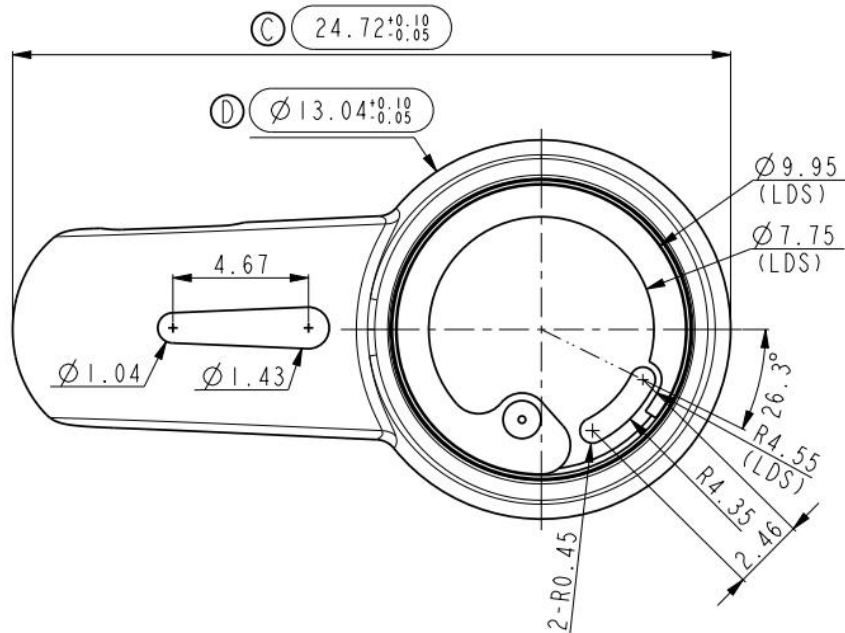


Rch

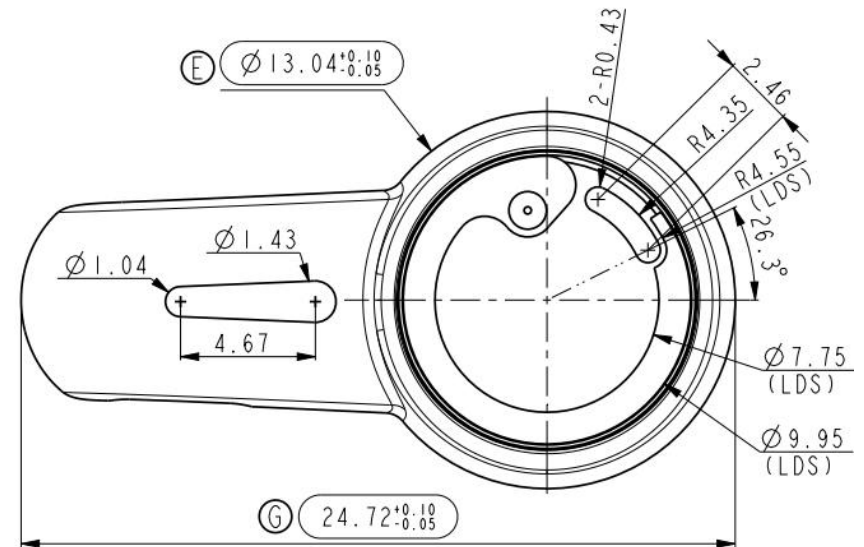
TP2001 Rch Original ANT



Antenna size



L CH

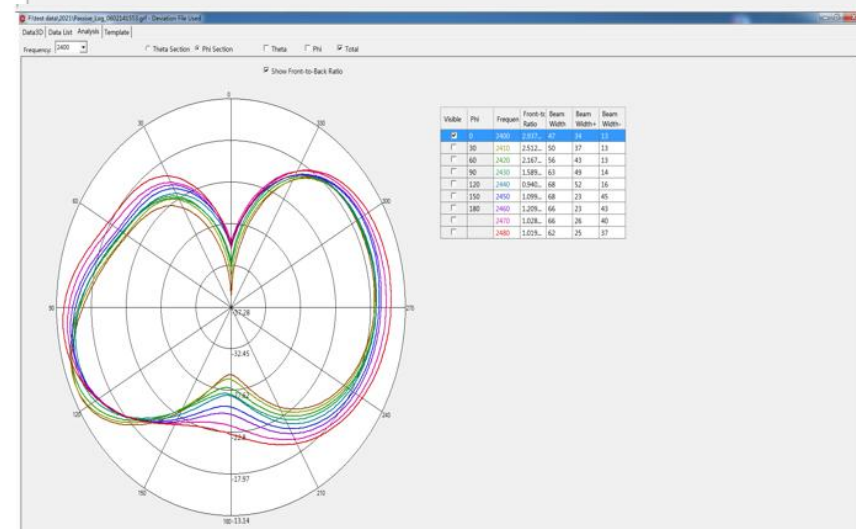
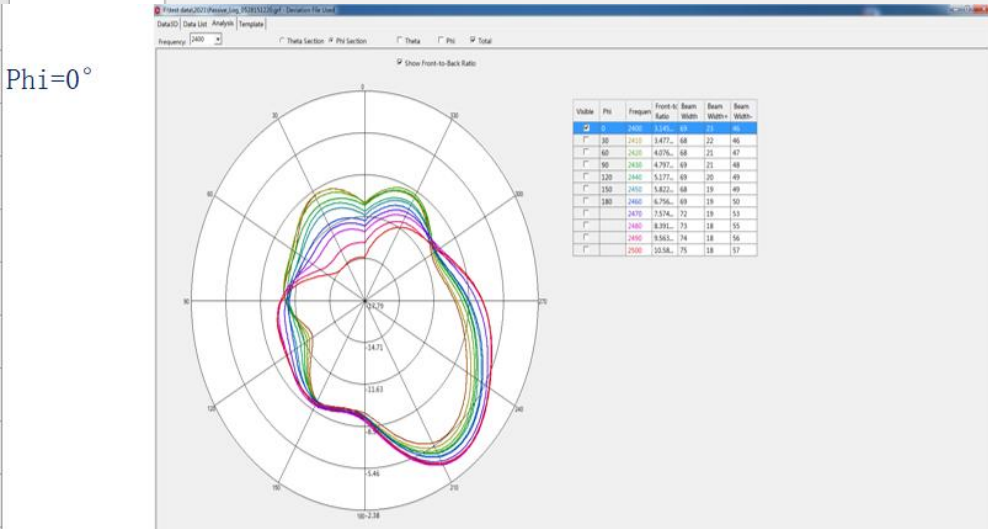
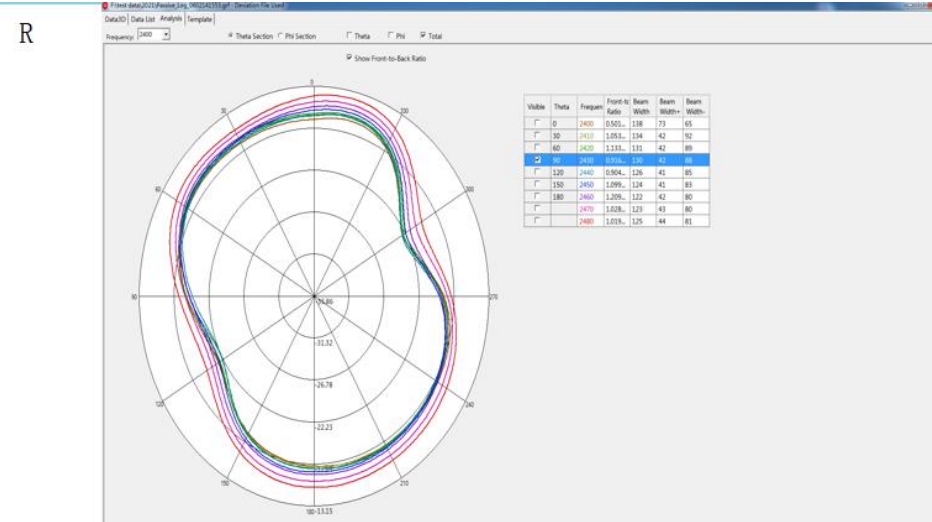
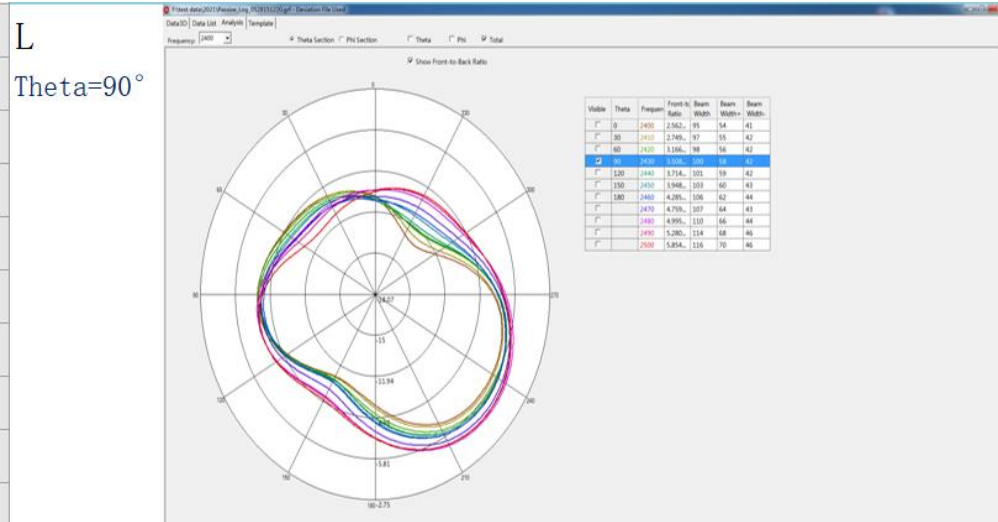


R CH

Gain and efficiency

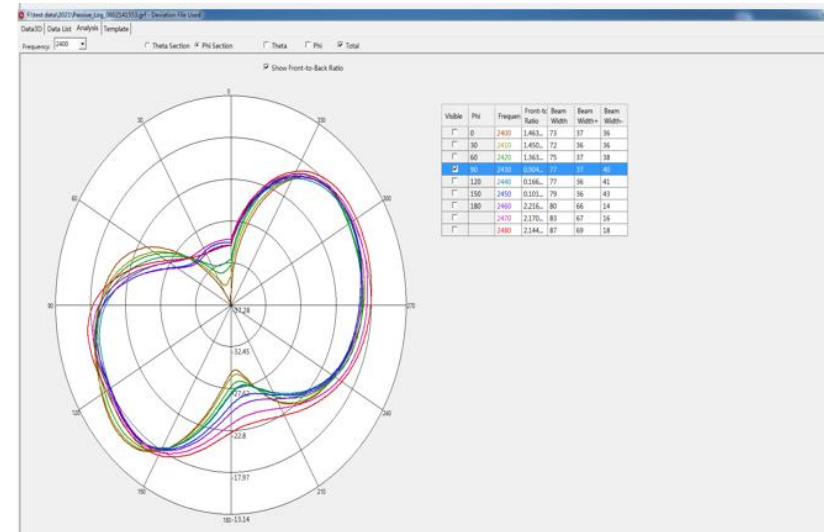
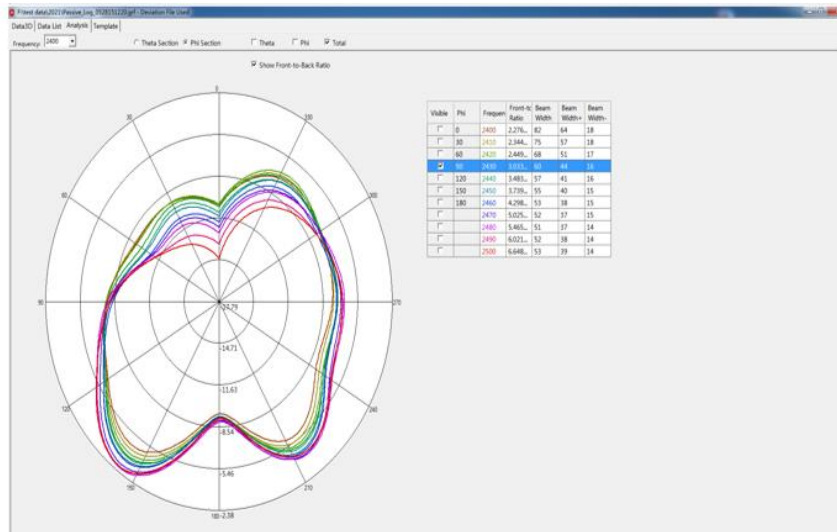
L				R			
频点MHz	效率%	效率(dB)	增益(dBi)	频点MHz	效率%	效率(dB)	增益(dBi)
2400	11.7%	-9.3	-5.8	2400	16.0%	-8.0	-4.7
2410	12.1%	-9.2	-6.0	2410	16.0%	-7.9	-4.5
2420	12.6%	-9.0	-6.2	2420	17.0%	-7.8	-4.5
2430	12.4%	-9.1	-6.5	2430	16.0%	-7.9	-4.8
2440	12.0%	-9.2	-6.9	2440	15.0%	-8.2	-5.1
2450	12.2%	-9.1	-7.1	2450	15.0%	-8.1	-5.1
2460	12.2%	-9.1	-7.2	2460	15.0%	-8.3	-5.4
2470	13.2%	-8.8	-6.8	2470	15.0%	-8.1	-5.2
2480	13.7%	-8.6	-6.6	2480	16.0%	-8.0	-4.9
平均值	12.6%	-9.1	-6.6	平均值	15.8%	-8.0	-4.9

Passive 2D antenna pattern



Passive 2D antenna pattern

Phi=90°





thanks