

# Antenna Part Specification

Model No : RZ04-0517

Antenna material : BT & 2.4 SRD Antenna

Antenna type : FPC Antenna

Version : V1.0

Date : 2024.03.21

Manufacturer : Razer Inc.

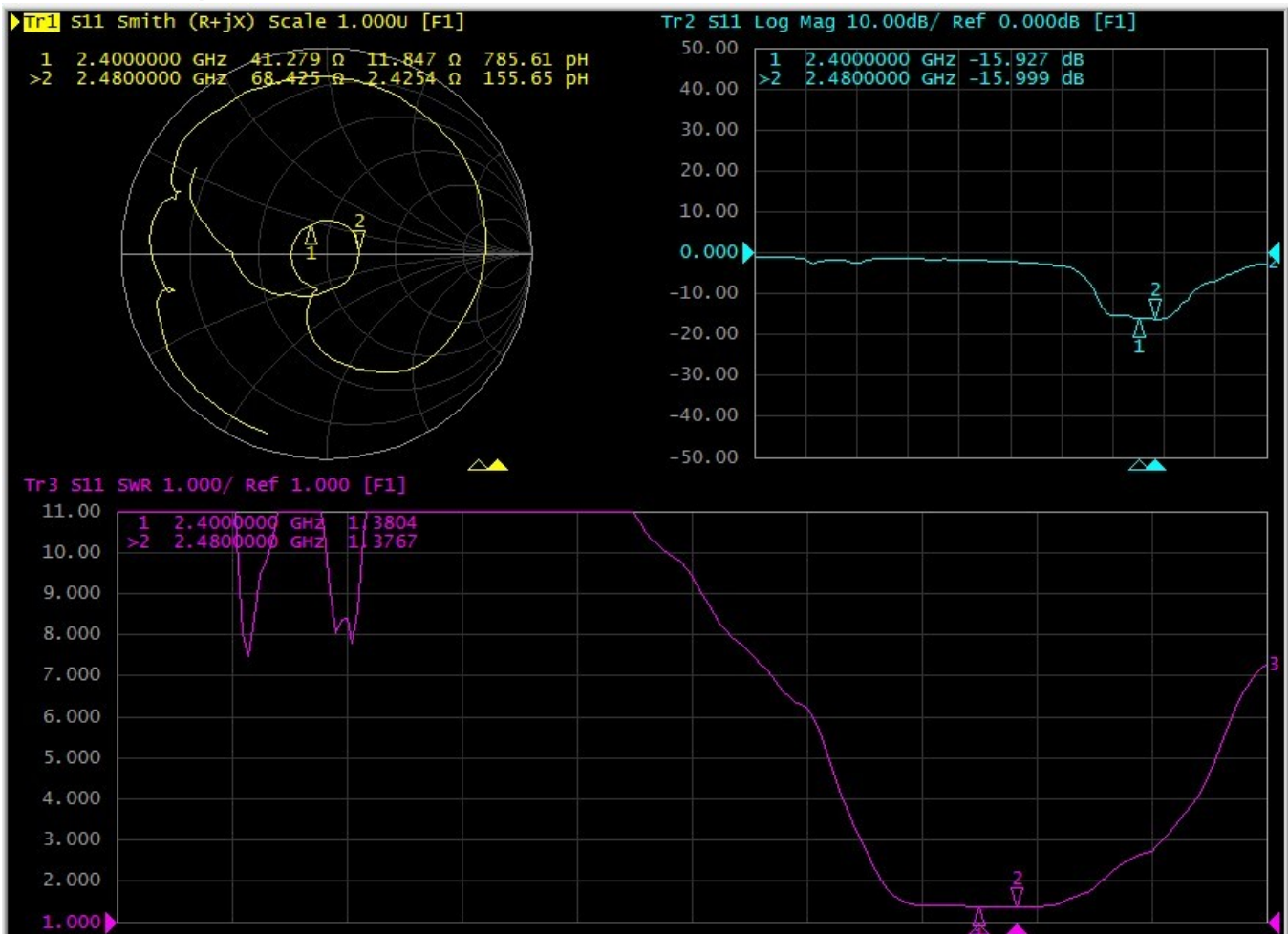
Address : 9 Pasteur, Suite 100, Irvine, CA92618, USA

I : The report of passive data



Angilent E5071C

VSWR(S11) parameter :

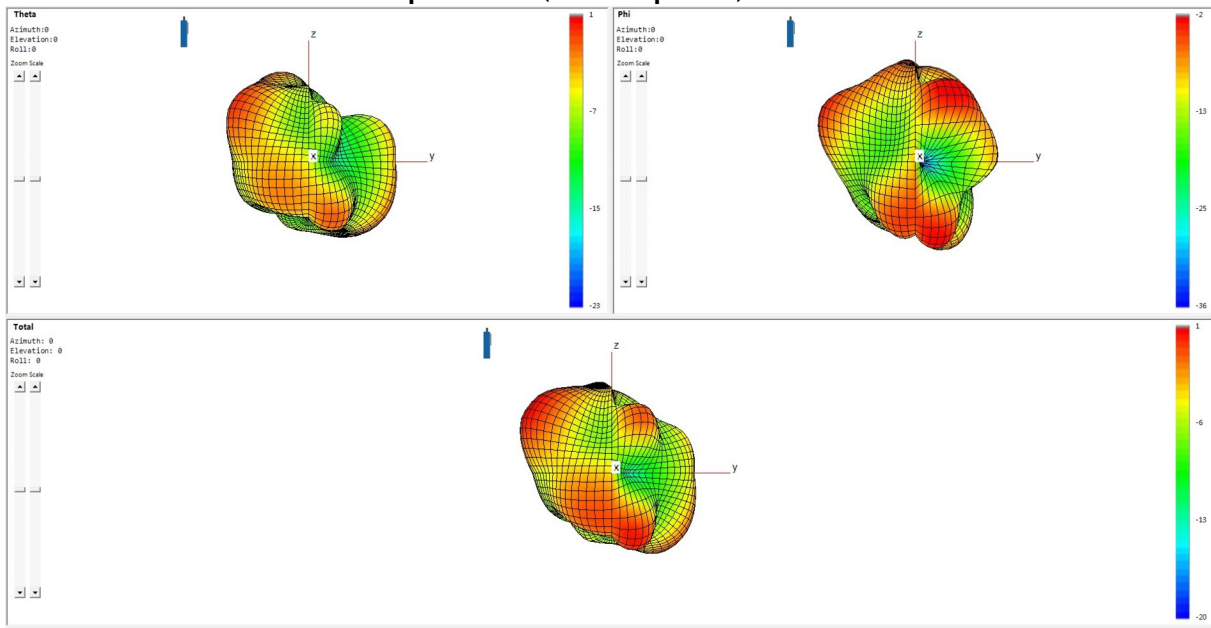


Efficiency :

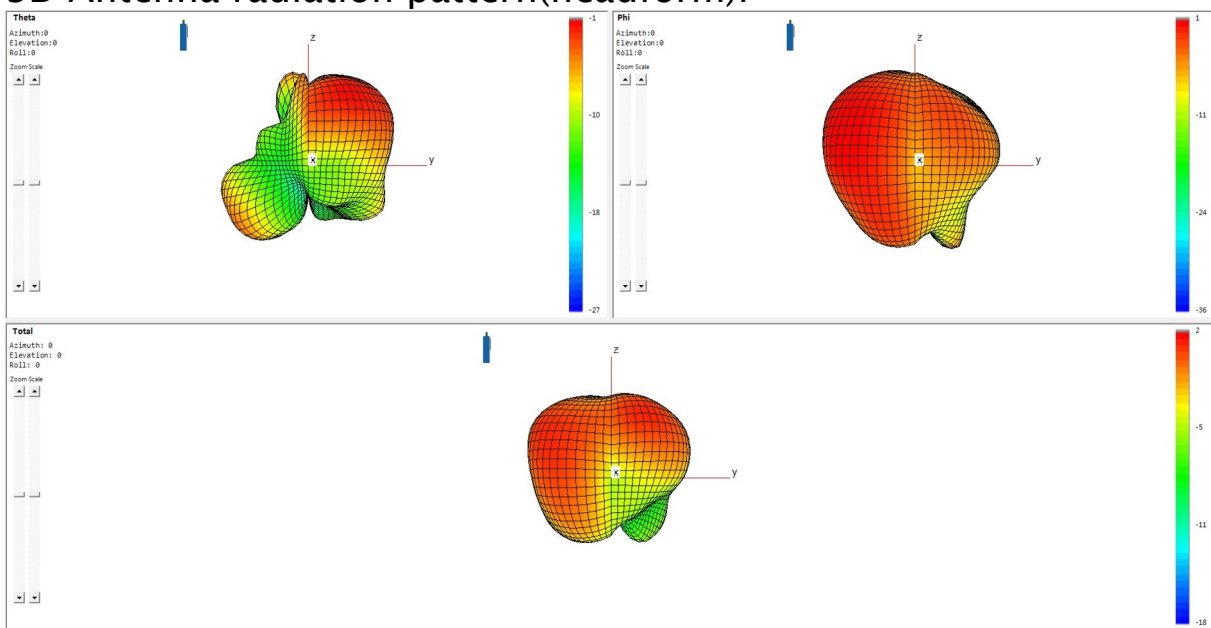
free space			
Frequency ( MHz )	Gain (dBi)	Efficiency (dB )	Efficiency
2400	1.6	-3.5	45.2%
2410	1.3	-3.5	44.4%
2420	1.2	-3.6	43.9%
2430	1.3	-3.4	45.8%
2440	1.2	-3.4	45.4%
2450	1.6	-3.1	48.5%
2460	1.9	-2.9	51.2%
2470	2.0	-3.0	49.9%
2480	2.3	-3.0	49.9%
Average value	1.6	-3.3	47.2%

headform			
Frequency ( MHz )	Gain (dBi)	Efficiency (dB )	Efficiency
2400	1.3	-4.0	39.8%
2410	1.0	-4.1	38.6%
2420	0.8	-4.3	37.6%
2430	1.0	-4.2	38.4%
2440	1.1	-4.3	37.5%
2450	1.5	-4.0	39.8%
2460	1.8	-3.8	41.4%
2470	1.8	-4.0	39.9%
2480	1.8	-4.0	39.9%
Average value	1.3	-4.1	39.2%

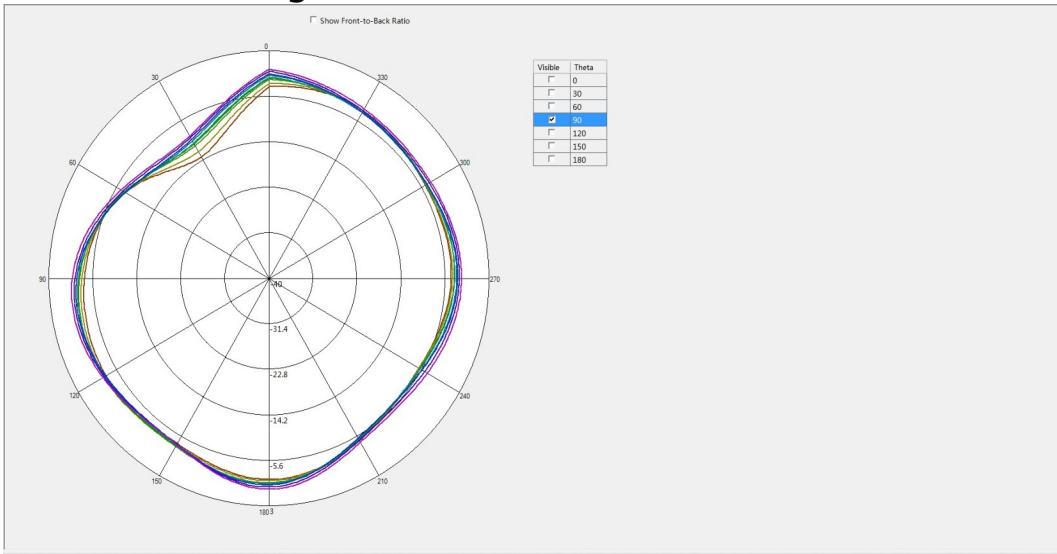
### 3D Antenna radiation pattern(free space):



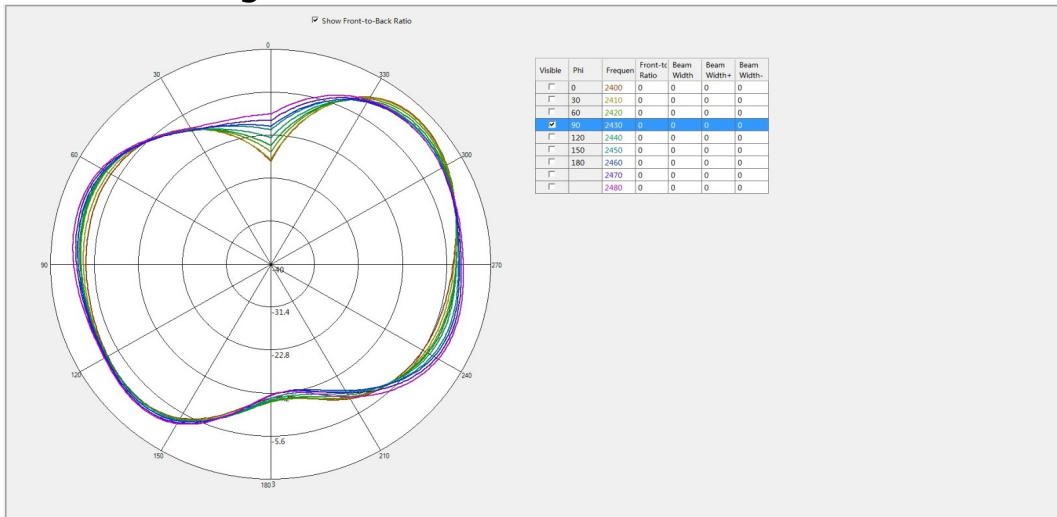
### 3D Antenna radiation pattern(headform):



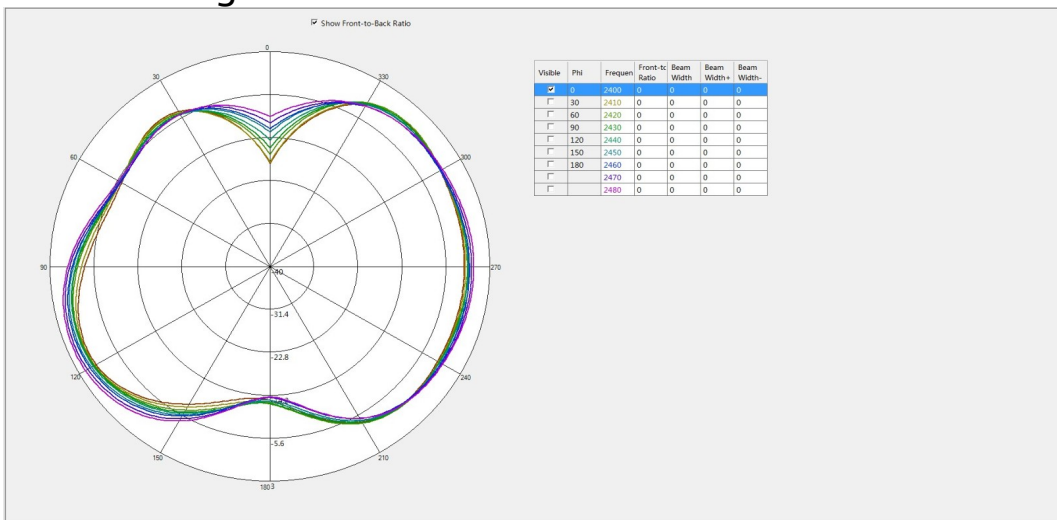
# Antenna radiation pattern(free space): Theta=90.00deg



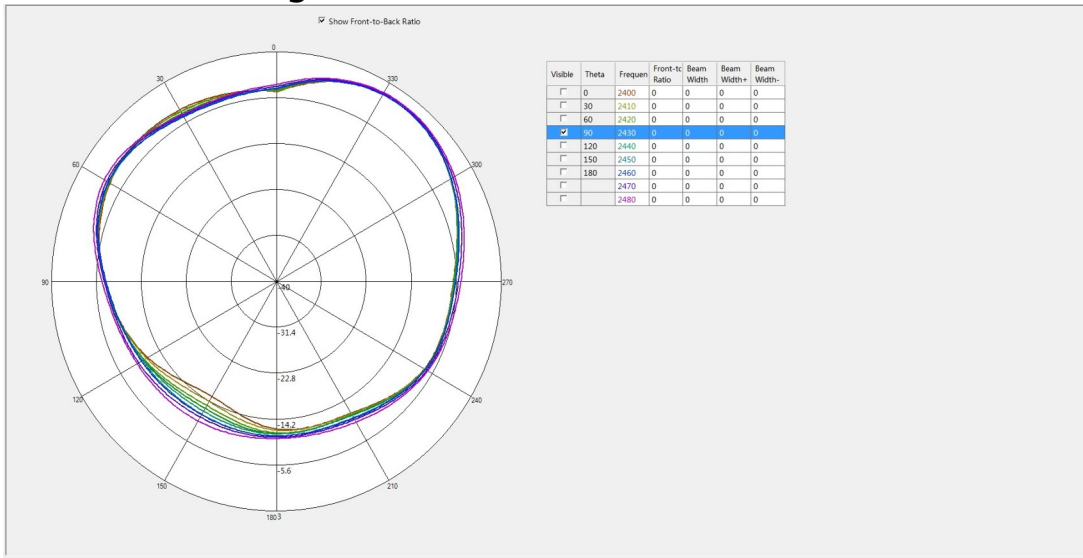
# Phi=90.00deg



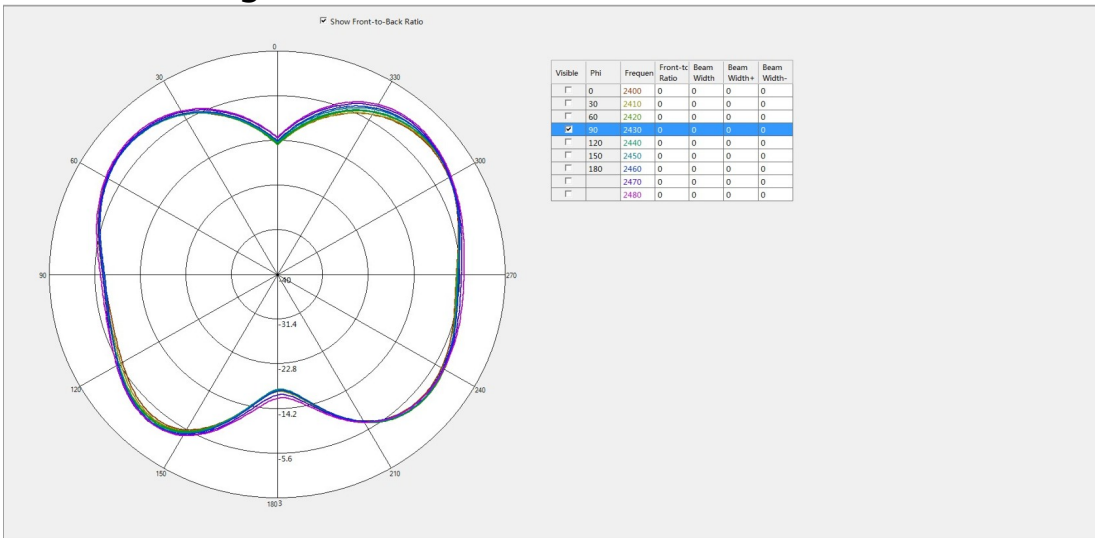
# Phi=0.00deg



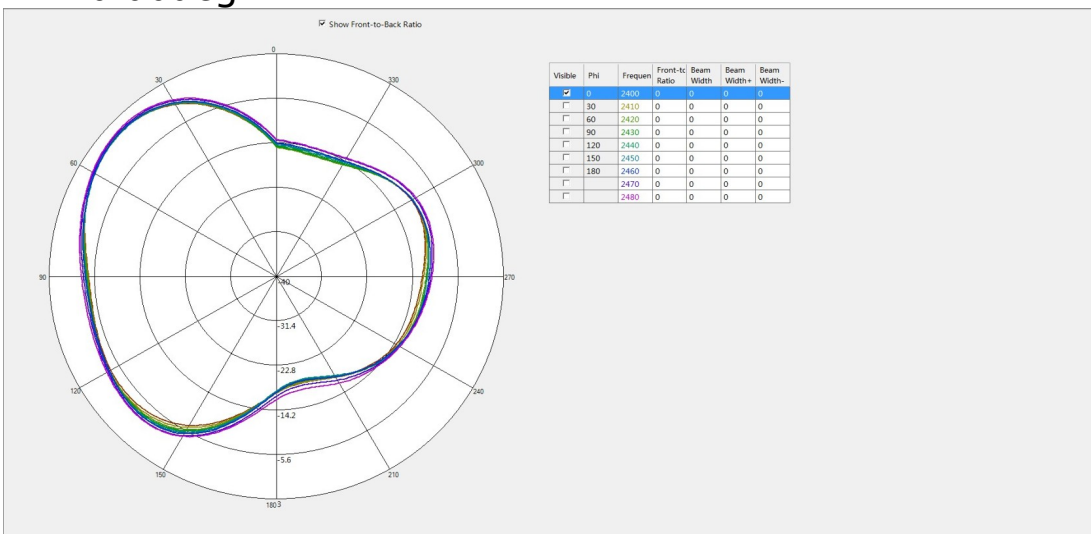
# Antenna radiation pattern(headform): Theta=90.00deg



# Phi=90.00deg



# Phi=0.00deg



## II : 3D Active test report of antenna

	Channel	TRP ( dBm )	TIS ( dBm )
free space	CH 0	6.3	-92.8
	CH 39	6.3	-92.5
	CH 78	6.3	-92.3

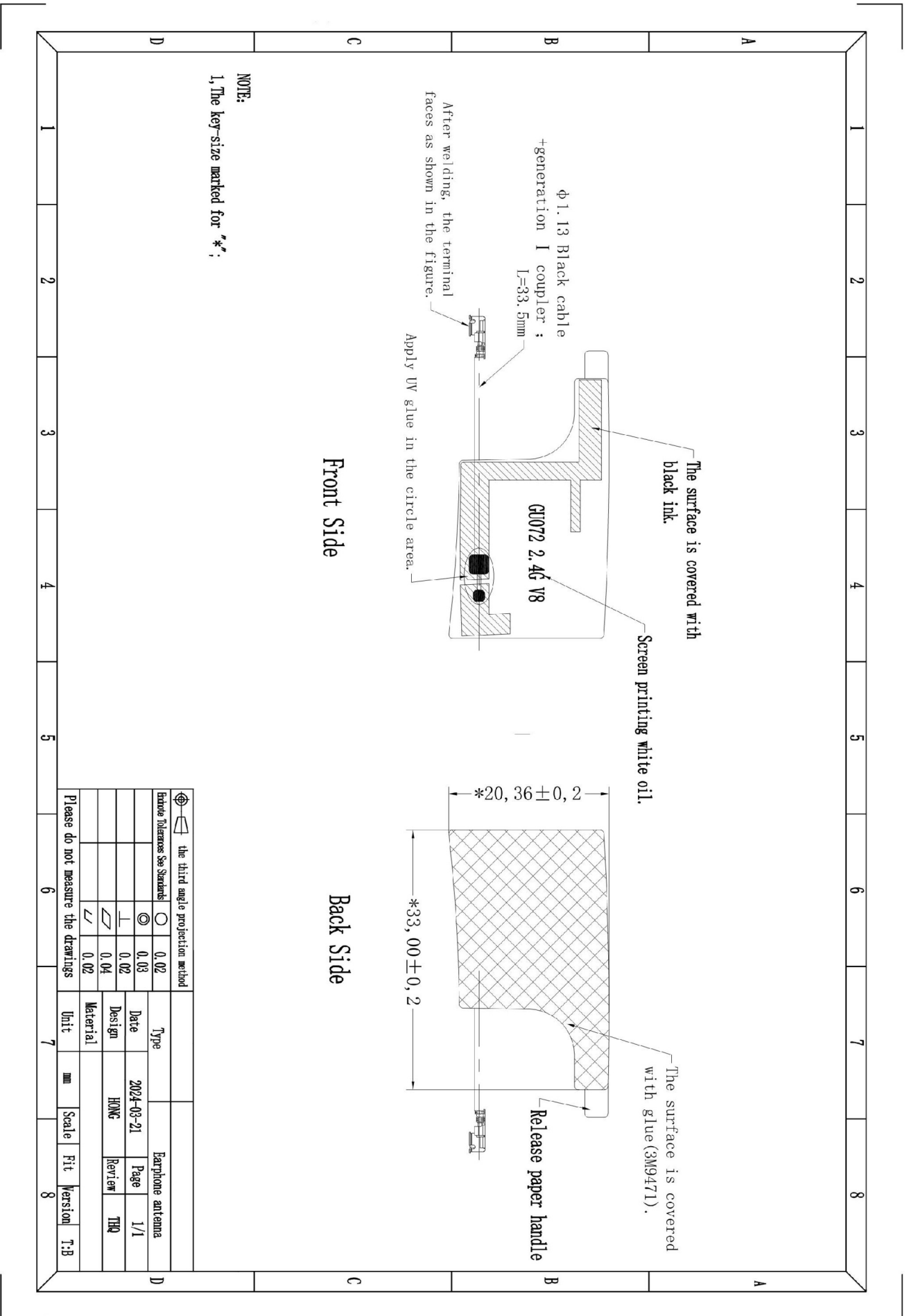
	Channel	TRP ( dBm )	TIS ( dBm )
headform	CH 0	4.8	-90.7
	CH 39	5.1	-90.8
	CH 78	4.5	-90.1



OTA Standard Chambe



### III : Structure file



the third angle projection method	Type	Earphone antenna
	○	0.02
Extrude Tolerances See Standards	◎	0.03
	⊥	0.02
	∠	0.04
	∠	0.02
Please do not measure the drawings		
Unit	mm	Scale
Fit		Fit
Version		Version
T-B		T-B