

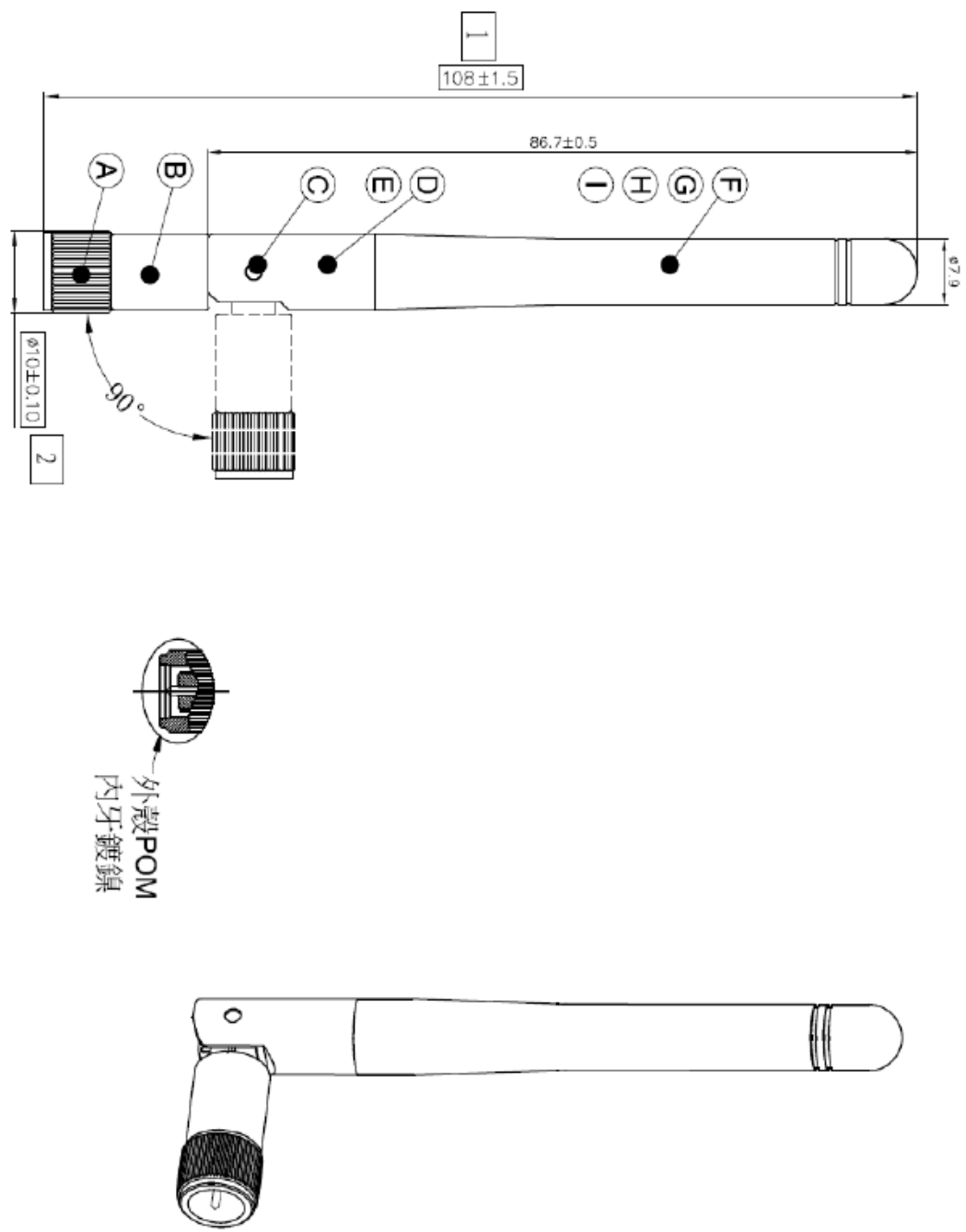
1. Explanation of part number :

RF	DPA	8709	00	S	M	L	B	8	03
Type Code	Product Code	Dipole Dimension (Unit: mm)	Cable Length (unit: cm)	Connector Brand	Type of Connector	Application	Project status	Wire Diameter	Project
RF Device	DPA: Dipole Antenna	Per 2 digits of length, width e.g.: 1310 Length 135.7mm, Width φ 10.0mm	2 digits for cable length e.g.: 00 None Cable	A: N C:MCX D:IPEX III E: IPEX IV F: IPEX A13 H: Hirose I: IPEX M: MMCX S: SMA T: TNC U:MURATA N: None	A: Reverse Female B: Reverse Male F: Female M: Male N: None	A: 2.4GHz	B: MP T:During Test X: Pile Run	0:None 1:Ø0.81 3:Ø1.13 6:RG316 7:Ø1.37 8:RG178	01~99 series number

2. Electrical Specification :

Item	Specification
Working Frequency Range	2.4 ~ 2.5 GHz
Gain	2.20 dBi
Return Loss	-10dB(Max)
VSWR	2 max.
Polarization	Linear
Radiation Pattern	Omni-directional
Impedance	50Ω
Operation Temperature	−40℃ ~ +75℃

3. Antenna Drawing :



1	Sponge	-		1
H	Down Brass Tube	Brass		1
G	Up Brass Tube	Brass		1
F	Antenna Cover	TPEE ; White(024+UV)		1
E	Coaxial Cable	RG178 ; Brown		1
D	Antenna Up Base	PC ; White(024+UV)		1
C	Rivet	POM ; White		2
B	Antenna Down Base	PC+PBT ; White(024+UV)		1
A	Connector	Standard SMA Plug ; White		1

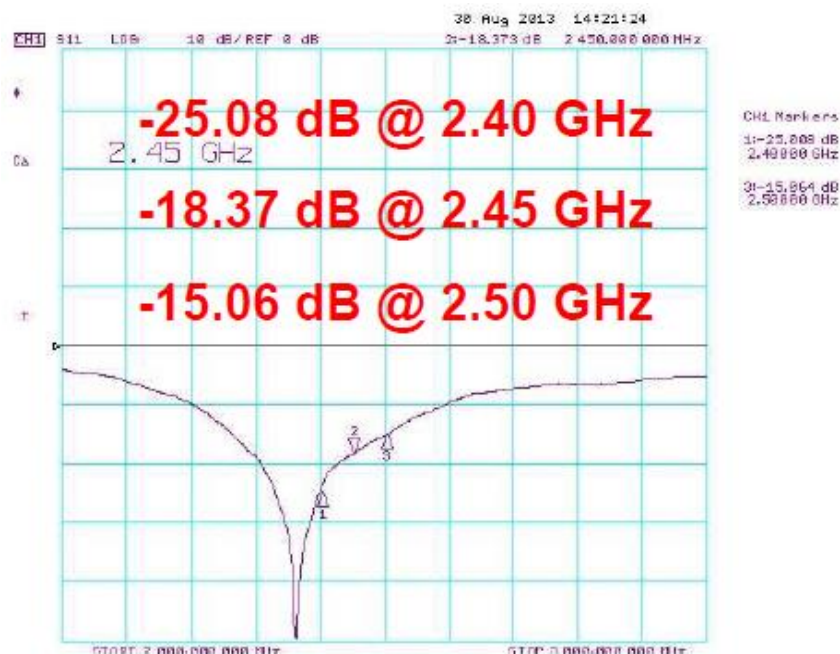
SELECT			V	
SPEC. CLASS	A	B	C	D
< 6mm	0.05	0.1	0.2	0.5
6-30mm	0.08	0.2	0.5	1.5
30-120mm	0.12	0.3	0.8	2.0
120-315mm	0.25	0.5	1.2	3.0
315-1000mm	0.3	0.8	2.0	5.0
1000-2000mm	0.5	1.2	3.0	8.0
ANGLE	0.5			

4. Performance Report :

Test Report

■ ELECTRICAL CHARACTERISTICS

Return Loss



VSWR



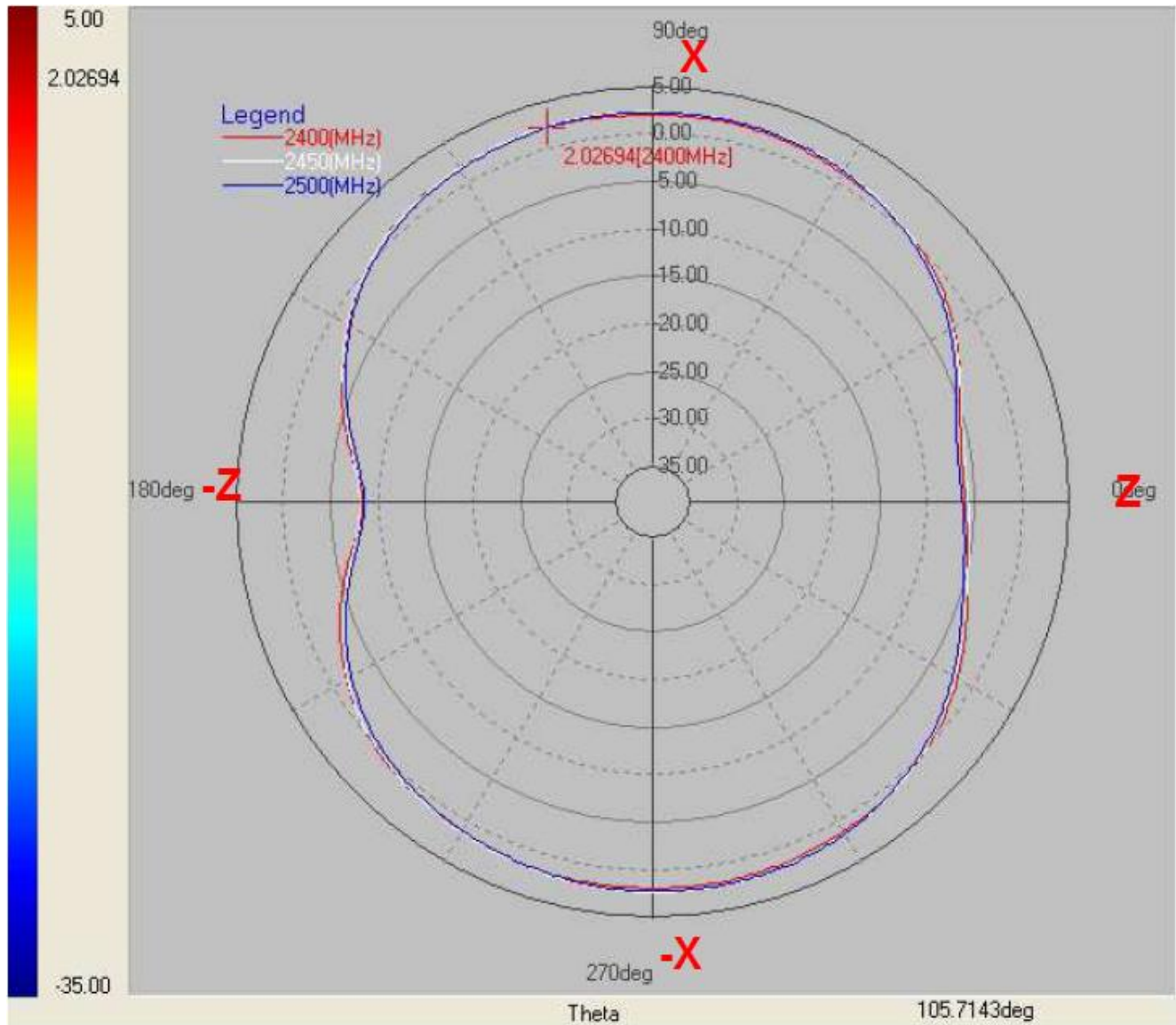
■ RADIATION PATTERN

2400~2500 MHz

X-Z Plane

Phi=0.00deg

Gain . dB



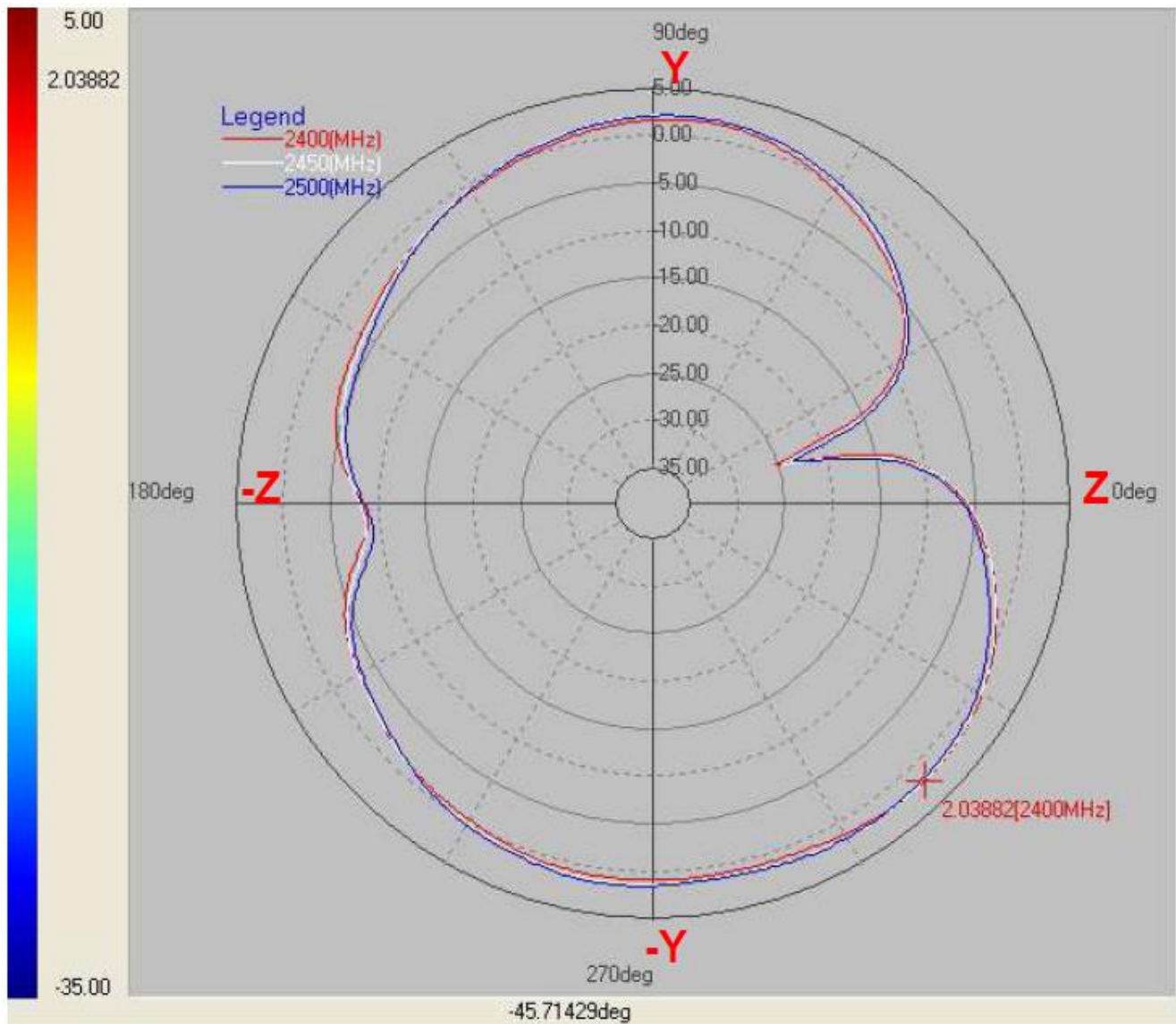
Layer	Max value	Min value	Average
2400(MHz)	2.03	-8.37	-0.17
2450(MHz)	2.20	-8.08	-0.04
2500(MHz)	2.12	-8.53	-0.21

2400~2500 MHz

Y-Z Plane

Phi=90.00deg

Gain . dB



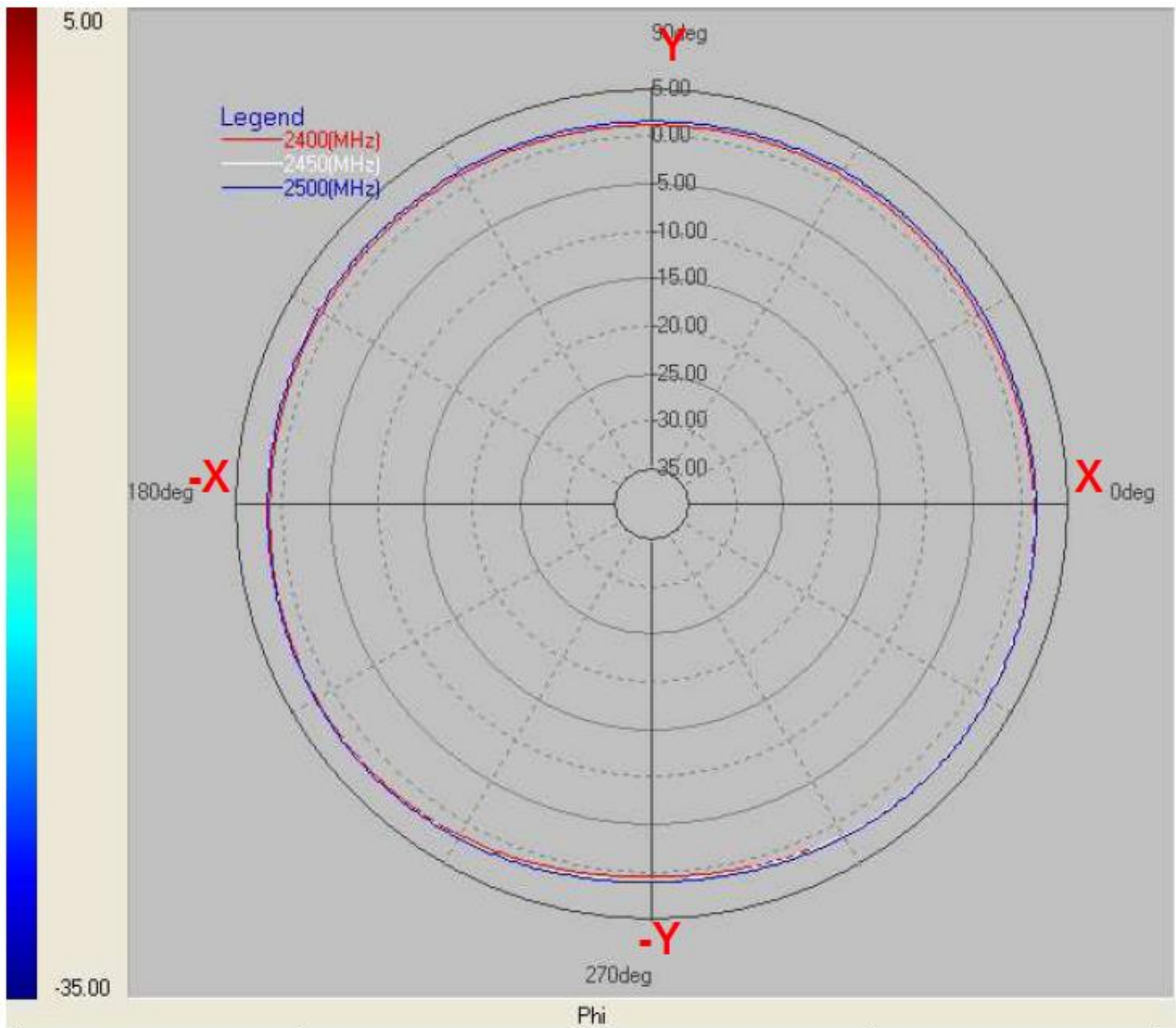
Layer	Max value	Min value	Average
2400(MHz)	2.04	-25.82	-1.07
2450(MHz)	2.02	-25.22	-0.82
2500(MHz)	2.01	-23.79	-1.07

2400~2500 MHz

X-Y Plane

Theta=90.00deg

Gain . dB



Layer	Max value	Min value	Average
2400(MHz)	2.10	0.35	1.32
2450(MHz)	2.08	0.65	1.55
2500(MHz)	2.13	0.91	1.60