

Antenna Information

Manufacturer	-
Antenna Type	Dipole Antenna
Antenna Model	900MHz Dipole Antenna
Antenna Part Number	STDPA201354SMB900
Antenna Frequency Range	902 ~ 928 MHz
Antenna Input Power Limitation	-
Antenna Peak Gain	3.0 dBi
Antenna Dimension (LxHxW)	-

Antenna Photo



Antenna Top View



Antenna Bottom View

STDPA201354SMB900 Specification

900MHz Dipole Antenna

1. Feature

- * 900MHz Dipole Antenna
- * RP-SMA Male
- * Plastic rod of Black
- * ROHS compliance

2. Application

- * 900MHz Wireless Communication
- * WLAN device, WLAN Router, e.g., AP, PIC Wireless Card

3. Description

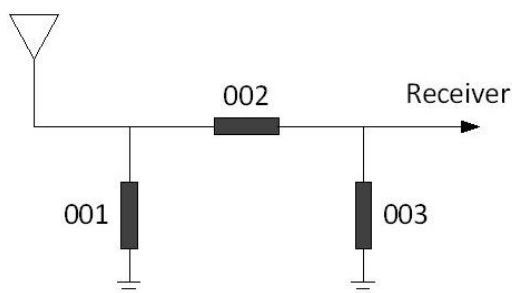
The antenna was specially designed by Suzhou Soant communication Equipment Co.,Ltd, for 900MHz Dipole Antenna applications . It has excellent stability and sensitivity to consistently provide high signal reception efficiency.

4. General Data

Product Name	900MHz Dipole Antenna
Part No.	STDPA201354SMB900
Frequency	902~928MHz
V.S.W.R	≤2.0
Gain (dBi)	3.0dBi
Polarization	Vertical
Storage life	one year
Storage Temp	-40℃~+80℃
Operating Temperature	-10℃~+60℃
Impedance with Matching	50 Ω
Dimension	L200 (mm)

5. Typical Electrical Characteristics

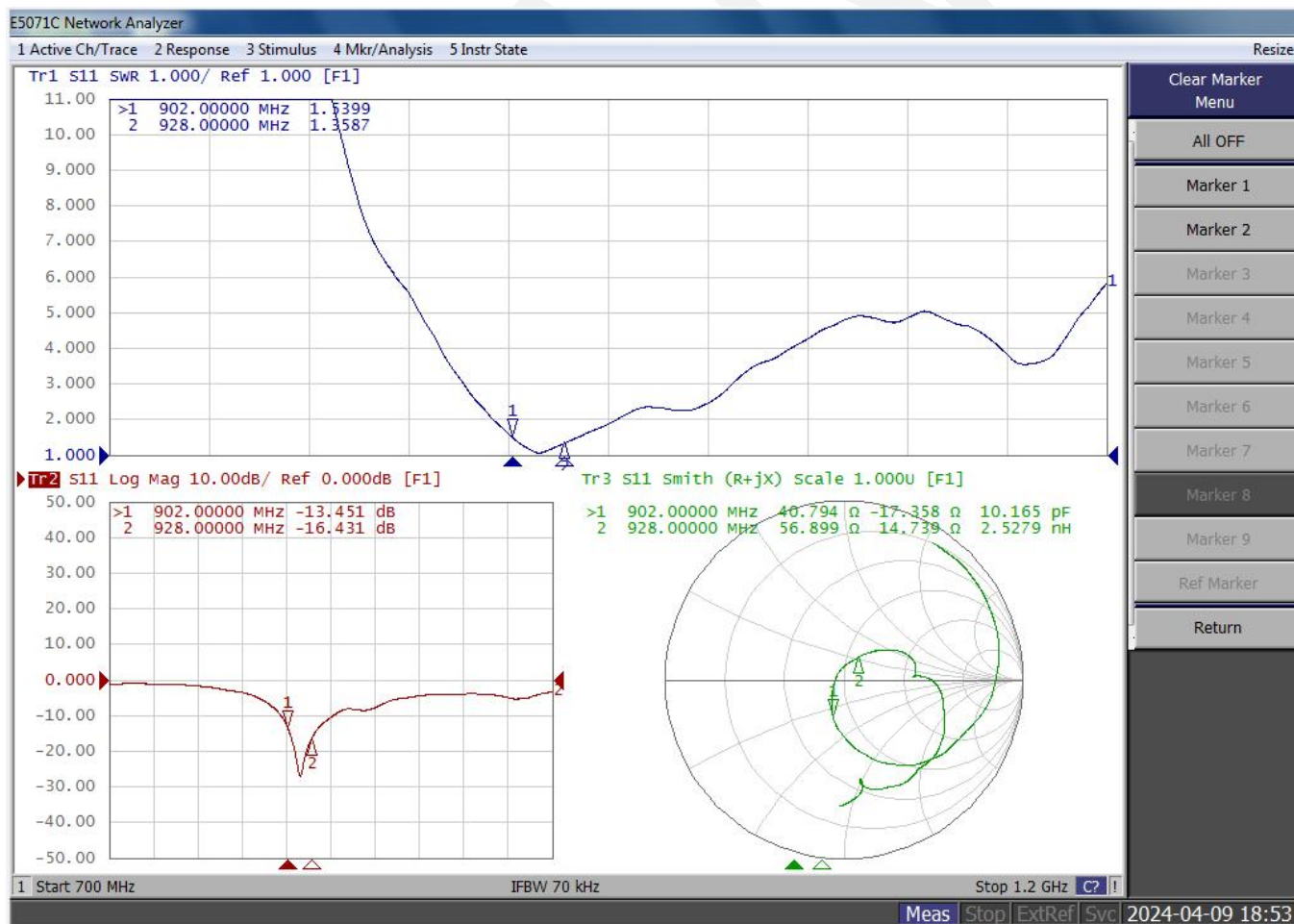
- Recommend Matching Circuit



Reference:

001=(N/A)
002=0 Ω
003=(N/A)

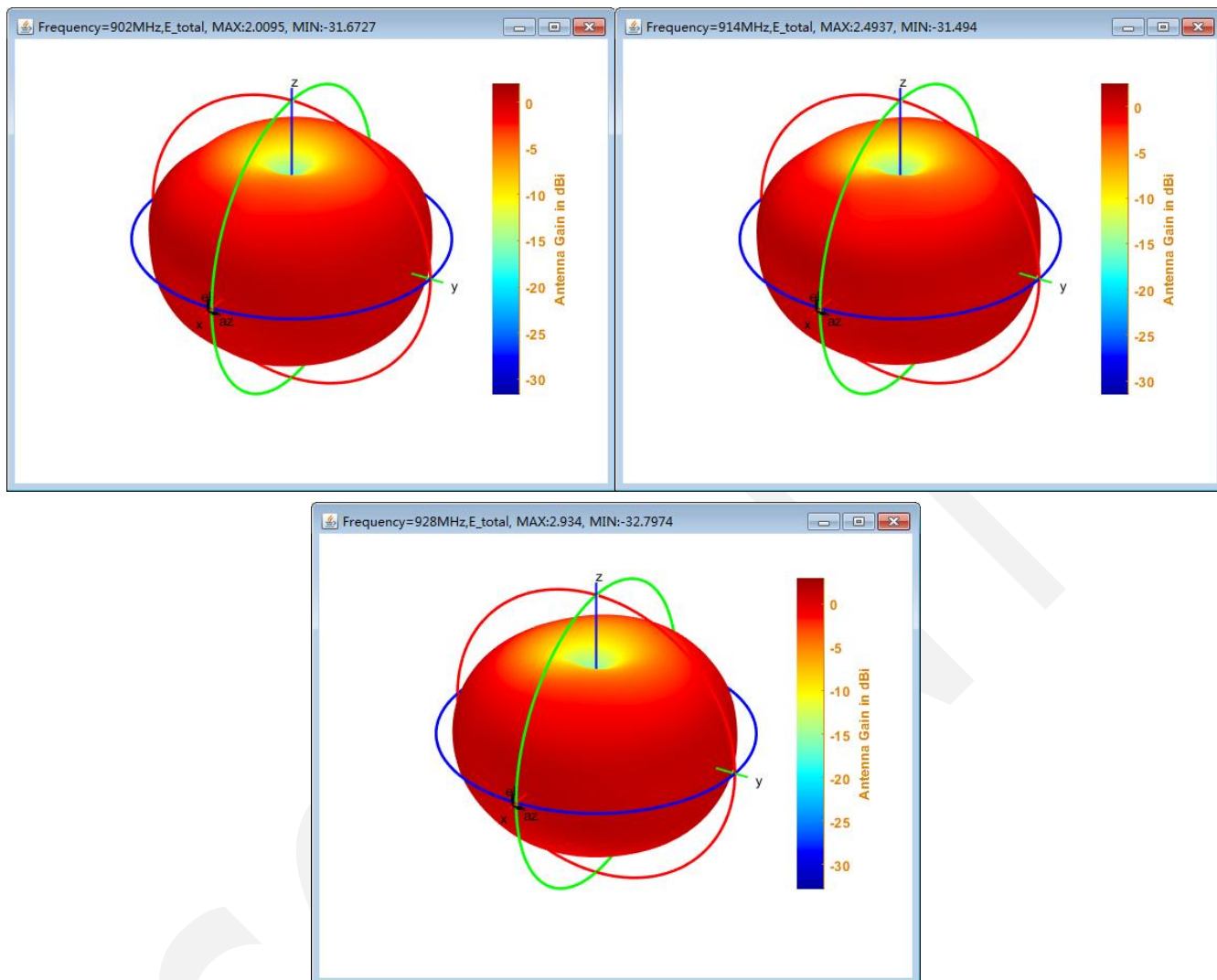
- Return loss、VSWR& Smith chart



Frequency Total Data

Frequency (MHz)	Directivity(dB)	Gain(dB)	Efficiency(dB)	Efficiency(%)
902	2.6595	2.0095	-0.65	86.0999
903	2.6748	2.0581	-0.6167	86.7611
904	2.685	2.1096	-0.5754	87.5911
905	2.6944	2.1675	-0.5269	88.5755
906	2.7178	2.2747	-0.4431	90.3001
907	2.7194	2.3252	-0.3941	91.3243
908	2.7198	2.3693	-0.3504	92.248
909	2.7171	2.4041	-0.313	93.046
910	2.7146	2.433	-0.2816	93.722
911	2.7126	2.4422	-0.2705	93.9625
912	2.7189	2.4574	-0.2615	94.1574
913	2.7289	2.4756	-0.2533	94.3333
914	2.7389	2.4937	-0.2453	94.5093
915	2.7484	2.5106	-0.2378	94.6721
916	2.7864	2.6129	-0.1735	96.0839
917	2.7977	2.6301	-0.1677	96.2126
918	2.819	2.6561	-0.1629	96.3179
919	2.8351	2.6774	-0.1577	96.4332
920	2.8577	2.7072	-0.1505	96.5942
921	2.88	2.7456	-0.1344	96.9517
922	2.8998	2.7838	-0.116	97.3636
923	2.9245	2.8264	-0.0981	97.7668
924	2.947	2.8647	-0.0823	98.1227
925	2.9621	2.8915	-0.0706	98.3869
926	2.9727	2.9308	-0.0419	99.0398
927	2.976	2.9358	-0.0401	99.0798
928	2.976	2.934	-0.0419	99.0392

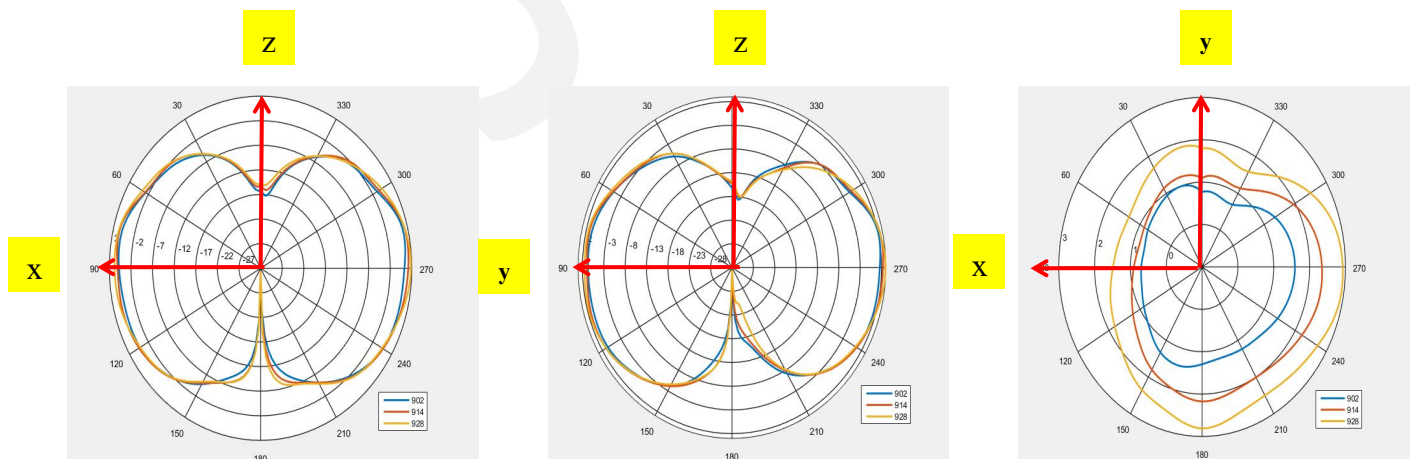
2D&3D test pattern



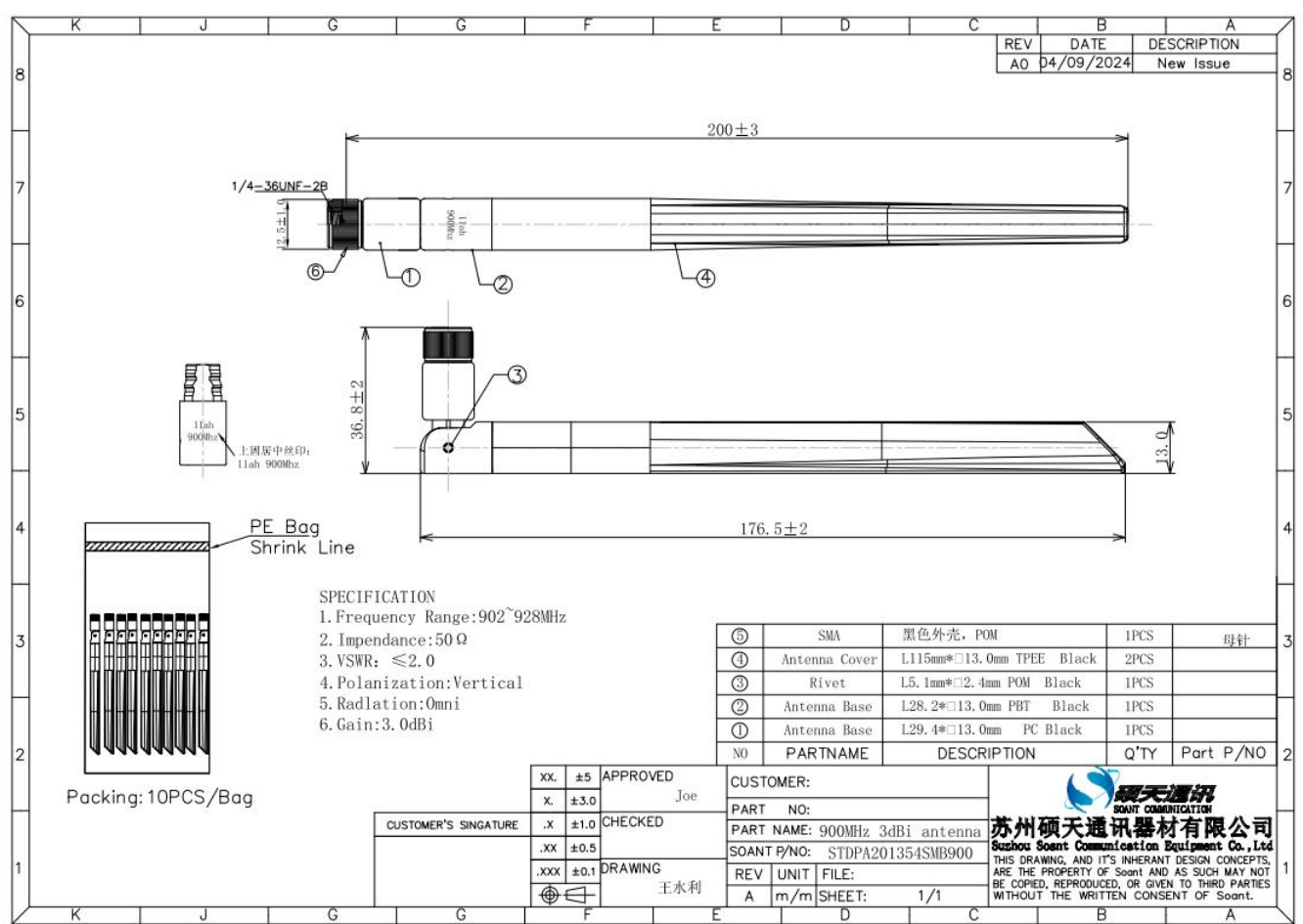
XZ Plane

YZ Plane

XY Plane



6. Dimension



Antenna Information

Manufacturer	-
Antenna Type	Dipole Antenna
Antenna Model	900MHz Dipole Antenna
Antenna Part Number	STDPA131909IBS900
Antenna Frequency Range	902 ~ 928 MHz
Antenna Input Power Limitation	-
Antenna Peak Gain	2.5 dBi
Antenna Dimension (LxHxW)	-

Antenna Photo



Antenna Top View



Antenna Bottom View

STDPA131909IBS900 Specification

900MHz Dipole Antenna

1. Feature

- * 900MHz Dipole Antenna
- * Plastic rod of Black
- * ROHS compliance

2. Application

- * 900MHz Wireless Communication
- * WLAN device, WLAN Router, e.g., AP, PIC Wireless Card

3. Description

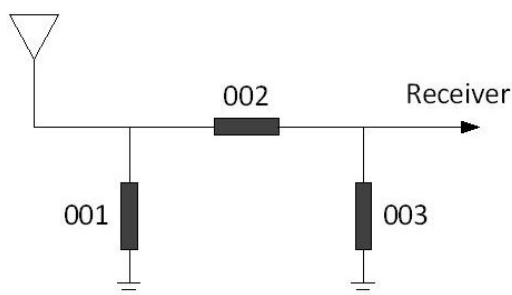
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4. General Data

Product Name	900MHz Dipole Antenna
Part No.	STDPA131909IBS900
Frequency	902~928MHz
V.S.W.R	≤2.0
Gain (dBi)	2.5dBi
Polarization	Vertical
Storage life	one year
Storage Temp	-40℃~+80℃
Operating Temperature	-10℃~+60℃
Impedance with Matching	50 Ω
Dimension	L194 (mm)

5. Typical Electrical Characteristics

➤ Recommend Matching Circuit



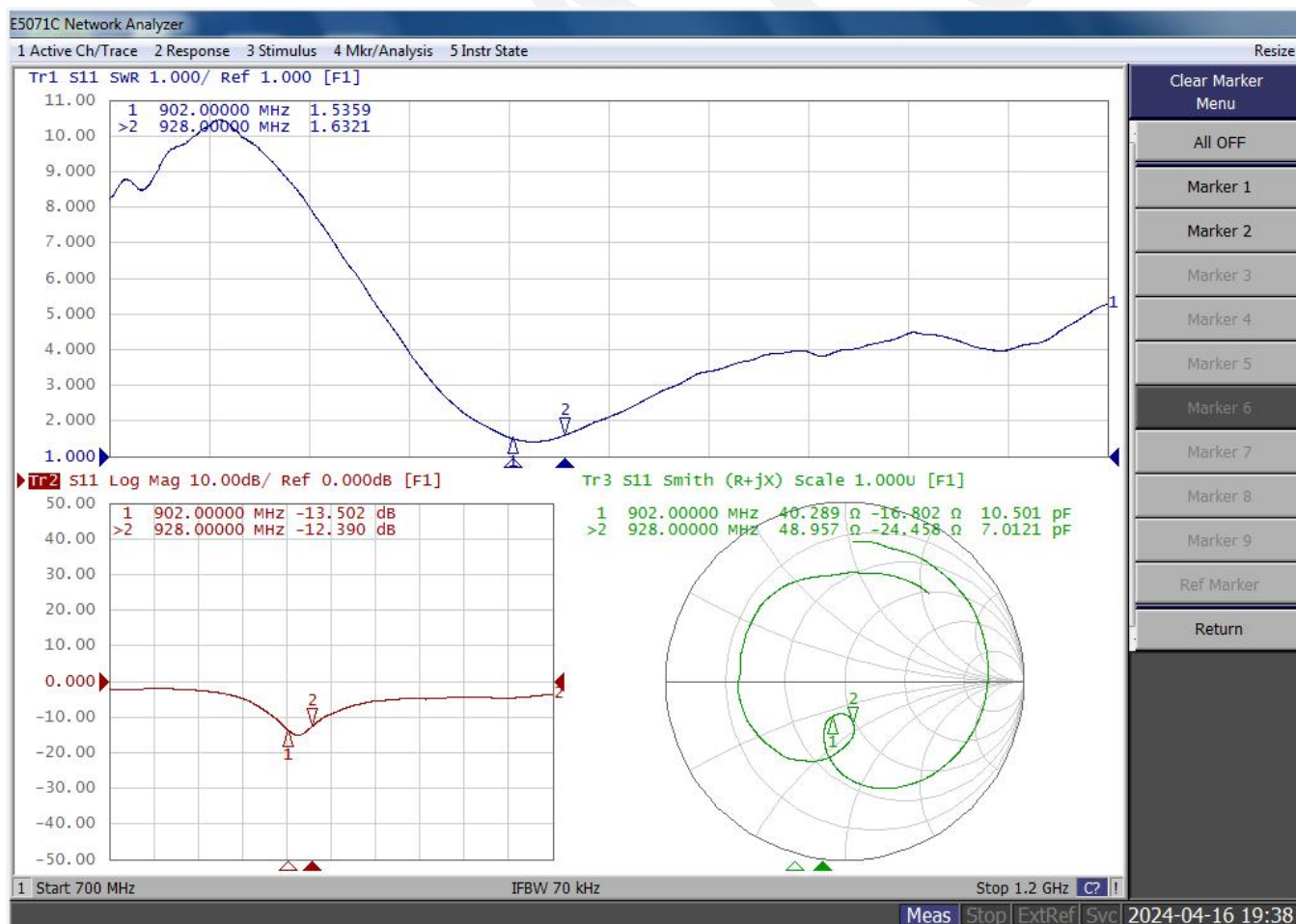
Reference:

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002=0 Ω

003=(N/A)

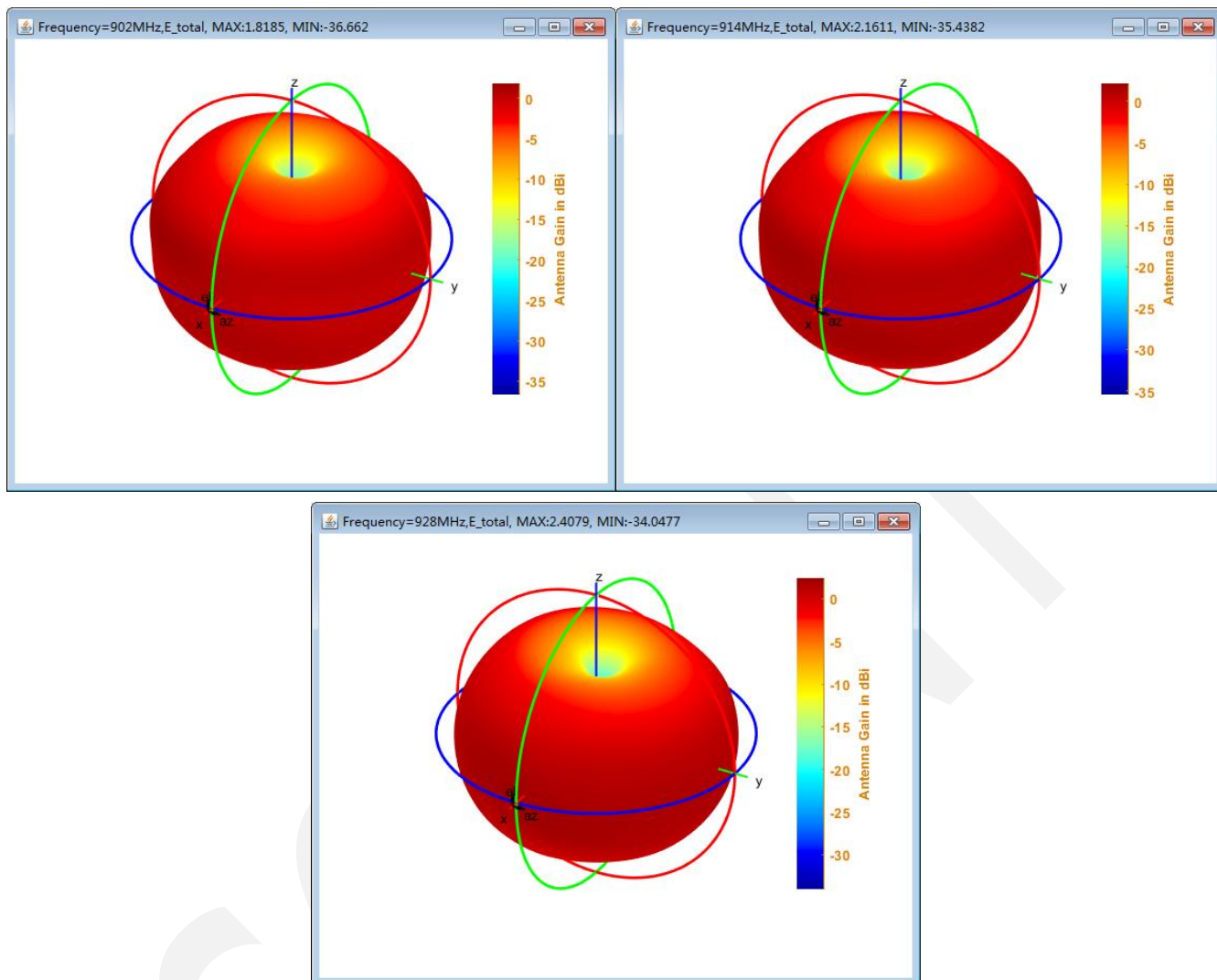
➤ Return loss、VSWR& Smith chart



Frequency Total Data

Frequency (MHz)	Directivity(dB)	Gain(dB)	Efficiency(dB)	Efficiency(%)
902	2.6137	1.8185	-0.7951	83.2698
903	2.6105	1.8581	-0.7525	84.0914
904	2.6089	1.9071	-0.7018	85.0783
905	2.5999	1.9537	-0.6462	86.1756
906	2.5937	2.0412	-0.5525	88.0543
907	2.5777	2.081	-0.4967	89.1925
908	2.5564	2.1106	-0.4459	90.2432
909	2.538	2.1359	-0.402	91.1587
910	2.5178	2.1533	-0.3646	91.9486
911	2.499	2.152	-0.347	92.3206
912	2.4861	2.1542	-0.3319	92.6424
913	2.4713	2.1541	-0.3172	92.9565
914	2.4636	2.1611	-0.3025	93.2725
915	2.4512	2.1618	-0.2893	93.555
916	2.4497	2.2279	-0.2218	95.0211
917	2.4382	2.2244	-0.2138	95.1972
918	2.4253	2.2168	-0.2085	95.3134
919	2.4095	2.2054	-0.2041	95.4093
920	2.4022	2.2022	-0.2	95.4986
921	2.4028	2.216	-0.1868	95.7893
922	2.4114	2.237	-0.1744	96.0648
923	2.4271	2.266	-0.1611	96.3575
924	2.4461	2.2951	-0.151	96.5819
925	2.4662	2.3223	-0.1439	96.7408
926	2.486	2.3704	-0.1156	97.374
927	2.5054	2.3913	-0.1141	97.4079
928	2.5206	2.4079	-0.1127	97.4391

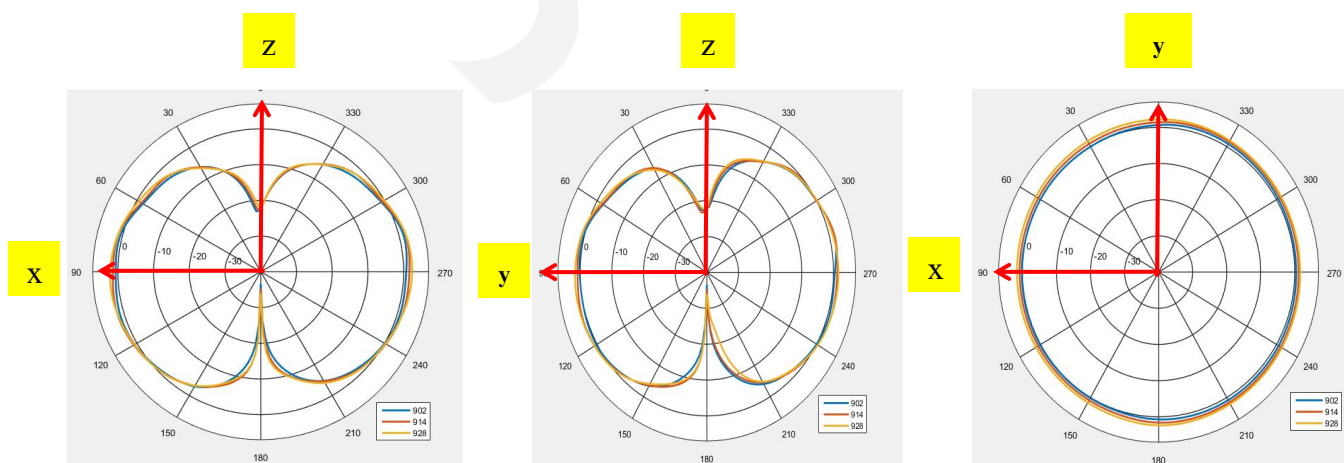
2D&3D test pattern



XZ Plane

YZ Plane

XY Plane



6. Dimension

