

ANTENNA SPECIFICATION

V1.0

CUSTOMER NAME: NELLO TECHNOLOGY (SHENZHEN) CO., LTD.

8rd Floor, Building B, Xuda Industrial Building, Fuyuan Street,
Phoenix Community, Fuyong Town, Bao'an District, Shenzhen, PRC

PRODUCT NAME: 2.4G WIFI Antenna

CUSTOMER P/N: ANT-01

Contents

一、-----Specification

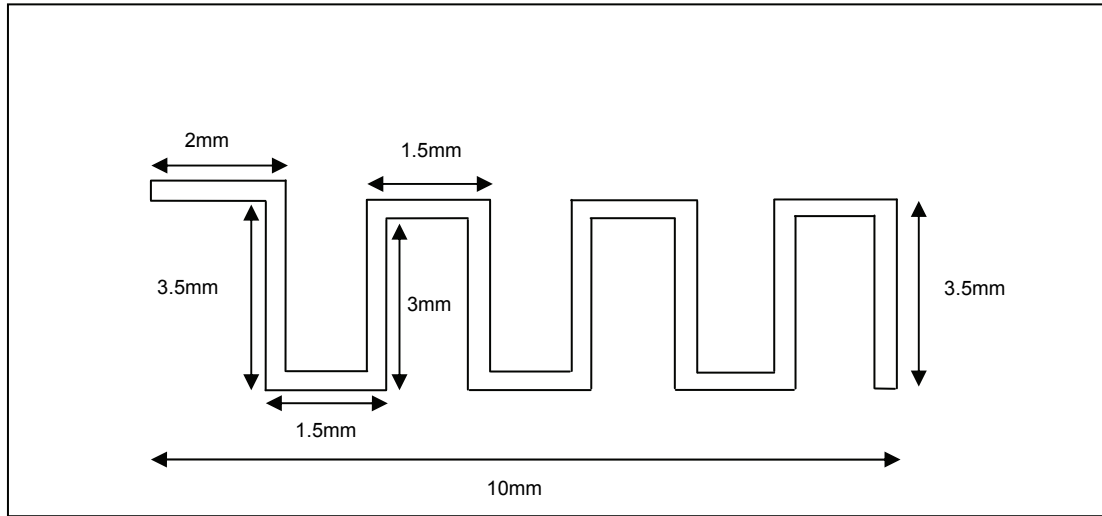
二、-----Size drawing

三、-----Test Report

一、Specification

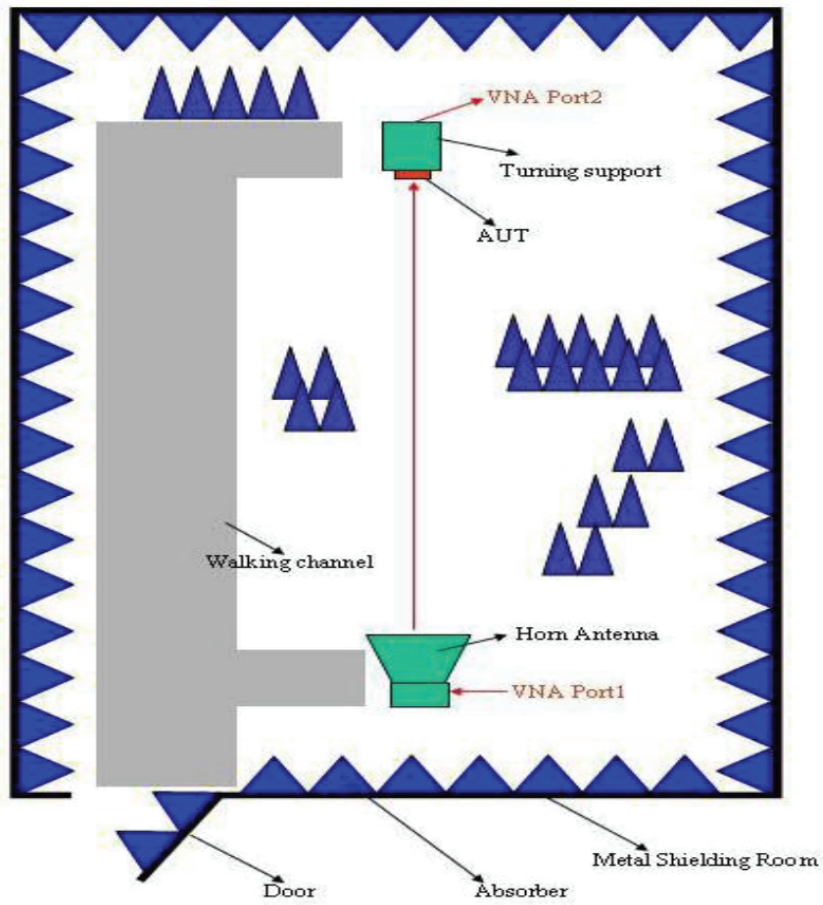
主要技术参数		Main technical parameter	
频率范围(MHz)	2400-2500	Frequency Range(MHz)	2400-2500
阻抗(ohm)	50	Impedance(ohm)	50
增益(dBi)	2.29	Gain(dBi)	2.29
极性	水平和垂直	Polarization	Horizontal and Vertical
方向性	全向性	Azimuth Beam Pattern	Omni-directional
天线类型	PCB	Antenna plate	PCB
物理性能		Physical Properties	
天线材料	FR4	Antenna cover	FR4
工作温度	-10--+80	Operating Temp	-10-- +80
保存温度	+10--+20	Storage Temp	+10--+20

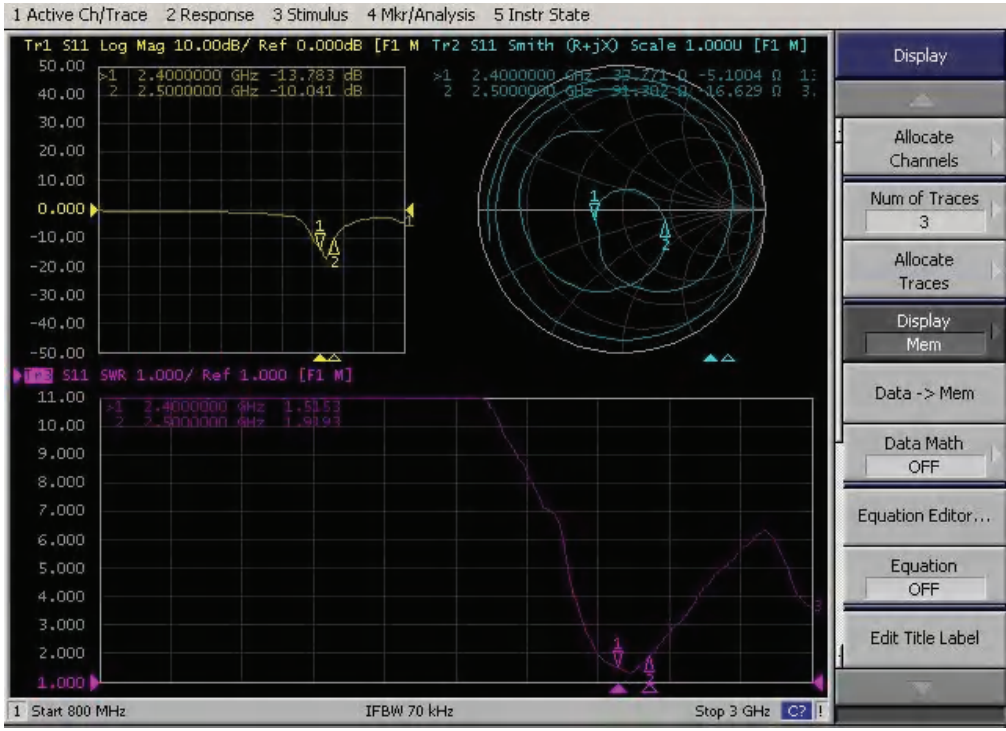
二、 Size drawing



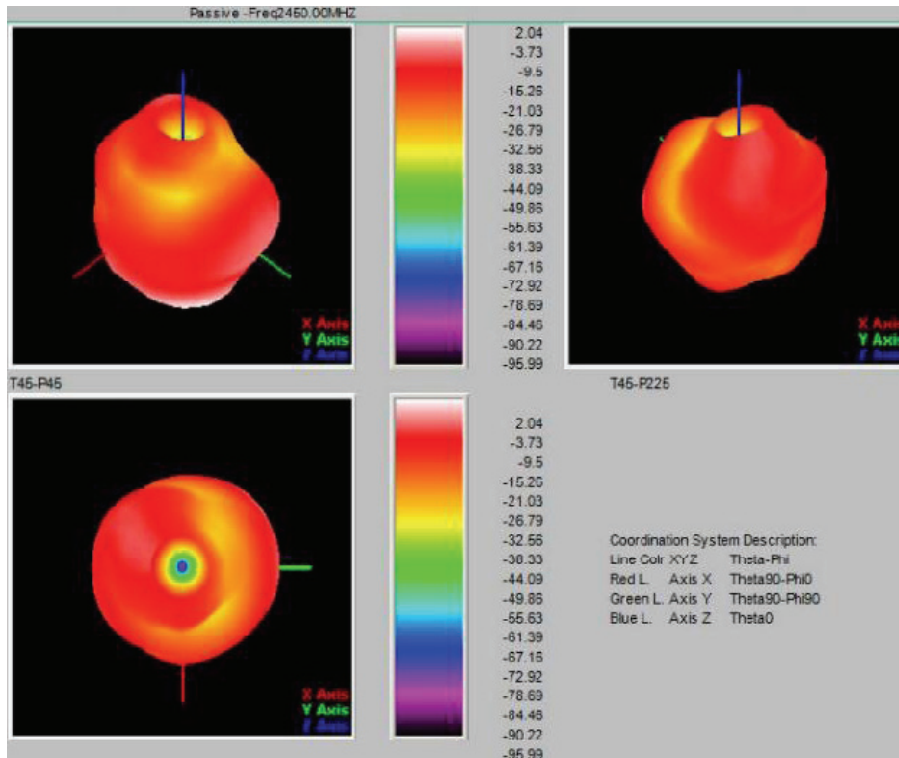
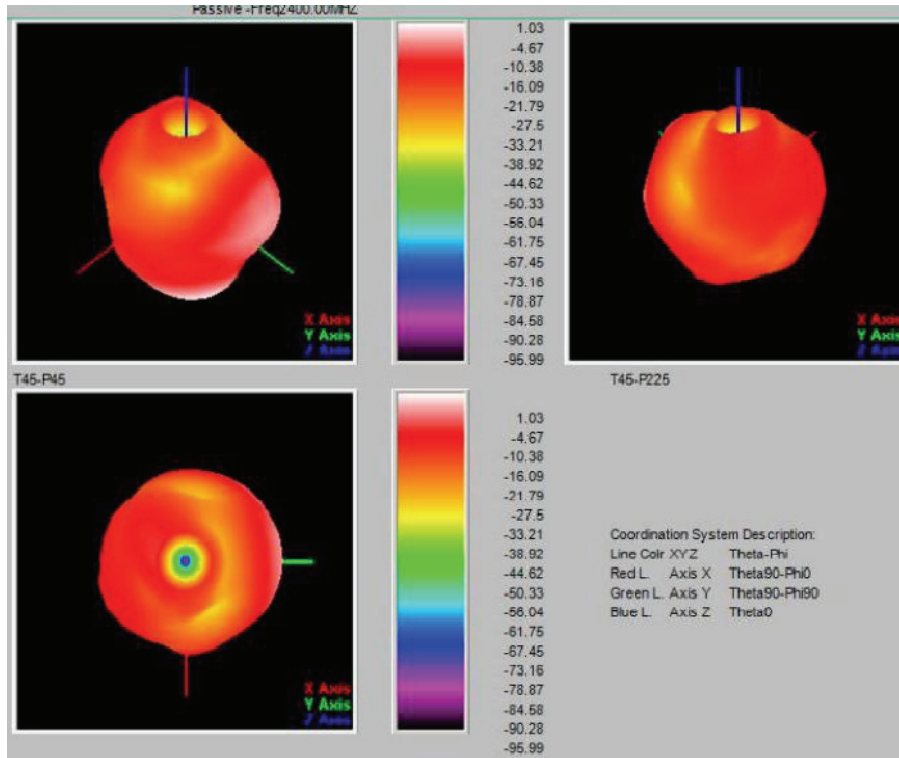
三、Test Report

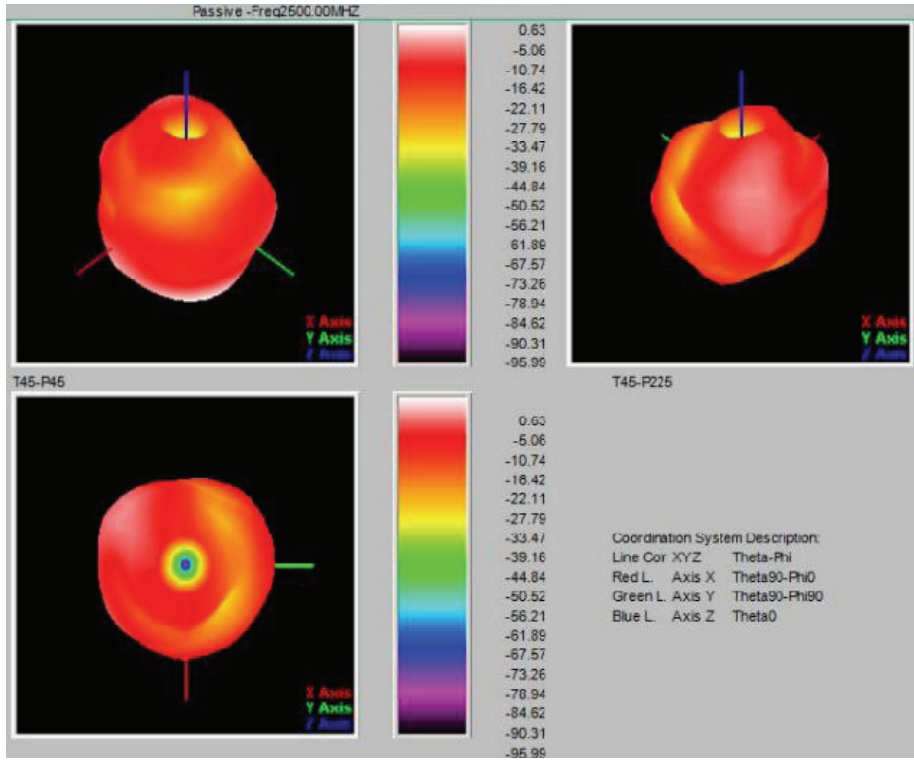
The Environment of Antenna Radiation Pattern





Test Point ID	Freq. (MHz)	TRP (dBm)	Gain (dB)	Directivity (dB)	Efficiency (%)	Efficiency (dB)	Max (dBm)	Theta of Max	Phi of Max	Min (dBm)	Theta of Min	Phi of Min	AVG (dBm)	Max/Min (dB)	Max/AVG (dB)	Min/AVG (dB)
1	2400.0	2400.00	1.03	5.42	35.5%	-4.38	1.03	120	60	-95.00	0	0	-4.40	97.02	5.52	-91.50
2	2410.0	2410.00	1.31	6.70	36.4%	-4.39	1.31	120	60	-95.99	0	0	-4.26	97.30	5.57	-91.73
3	2420.0	2420.00	1.74	8.01	37.4%	-4.27	1.74	120	60	-95.00	0	0	-3.88	97.73	5.63	-92.11
4	2430.0	2430.00	2.29	8.21	40.6%	-3.92	2.29	120	60	-95.99	0	0	-3.40	98.28	5.69	-92.59
5	2440.0	2440.00	3.20	8.20	39.8%	-4.00	2.20	120	60	-95.00	0	0	-3.56	98.10	5.76	-92.43
6	2450.0	2450.00	2.04	6.04	39.8%	-4.00	2.04	120	60	-95.99	0	0	-3.59	98.03	5.63	-92.40
7	2460.0	2460.00	1.97	6.90	40.6%	-3.93	1.67	120	60	-95.99	0	0	-3.61	97.96	5.61	-92.46
8	2470.0	2470.00	1.64	6.55	40.7%	-3.91	1.64	120	60	-95.99	0	0	-3.74	97.63	5.39	-92.25
9	2480.0	2480.00	1.03	6.02	39.9%	-3.99	1.03	120	60	-95.99	0	0	-4.20	97.02	5.23	-91.79
10	2490.0	2490.00	0.84	4.97	38.6%	-4.14	0.84	120	60	-95.99	0	0	-4.43	96.83	5.27	-91.56
11	2600.0	2500.00	0.63	4.80	38.3%	-4.17	0.63	120	60	-95.99	0	0	-4.54	96.62	5.7	-91.46





----- END -----