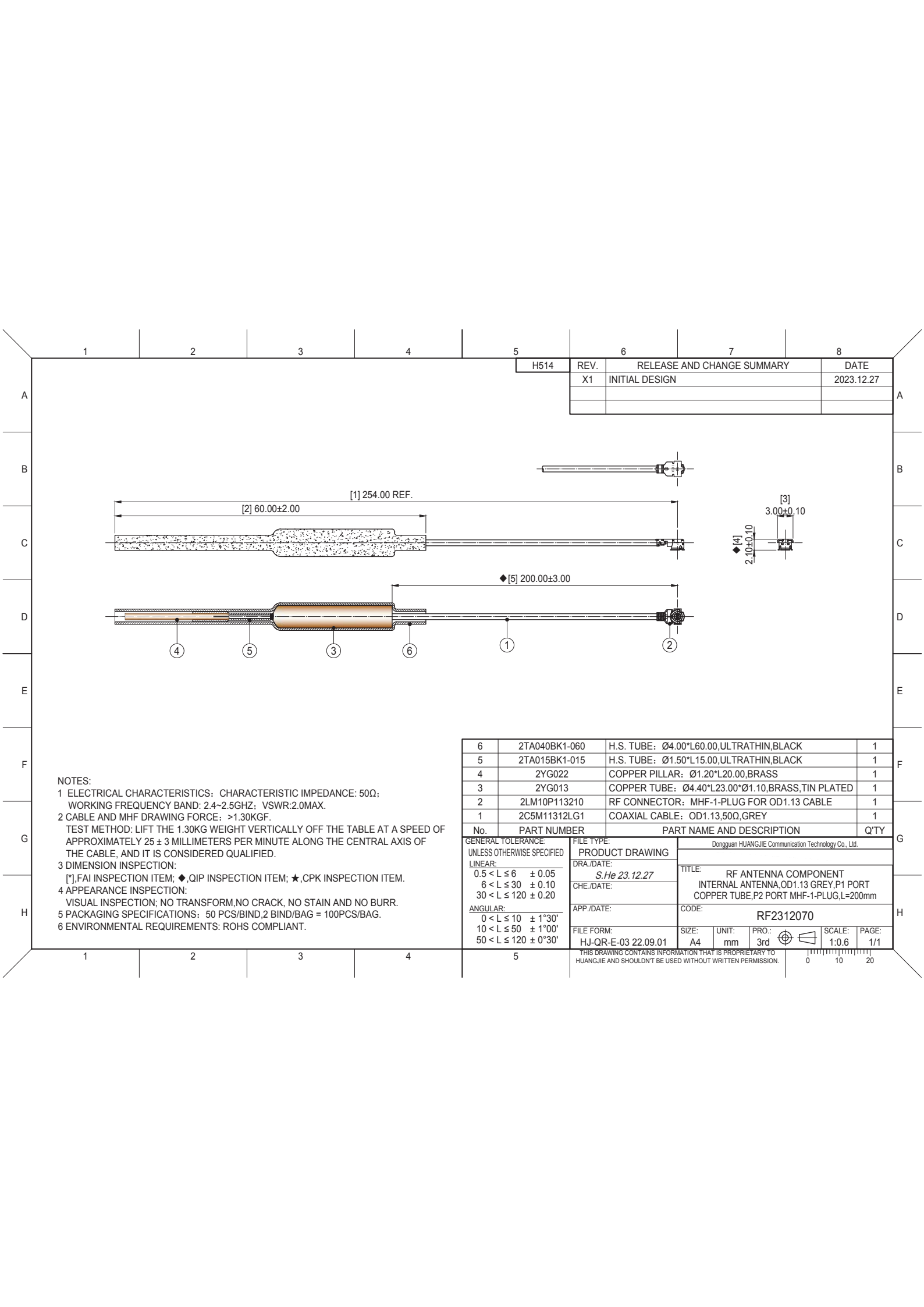


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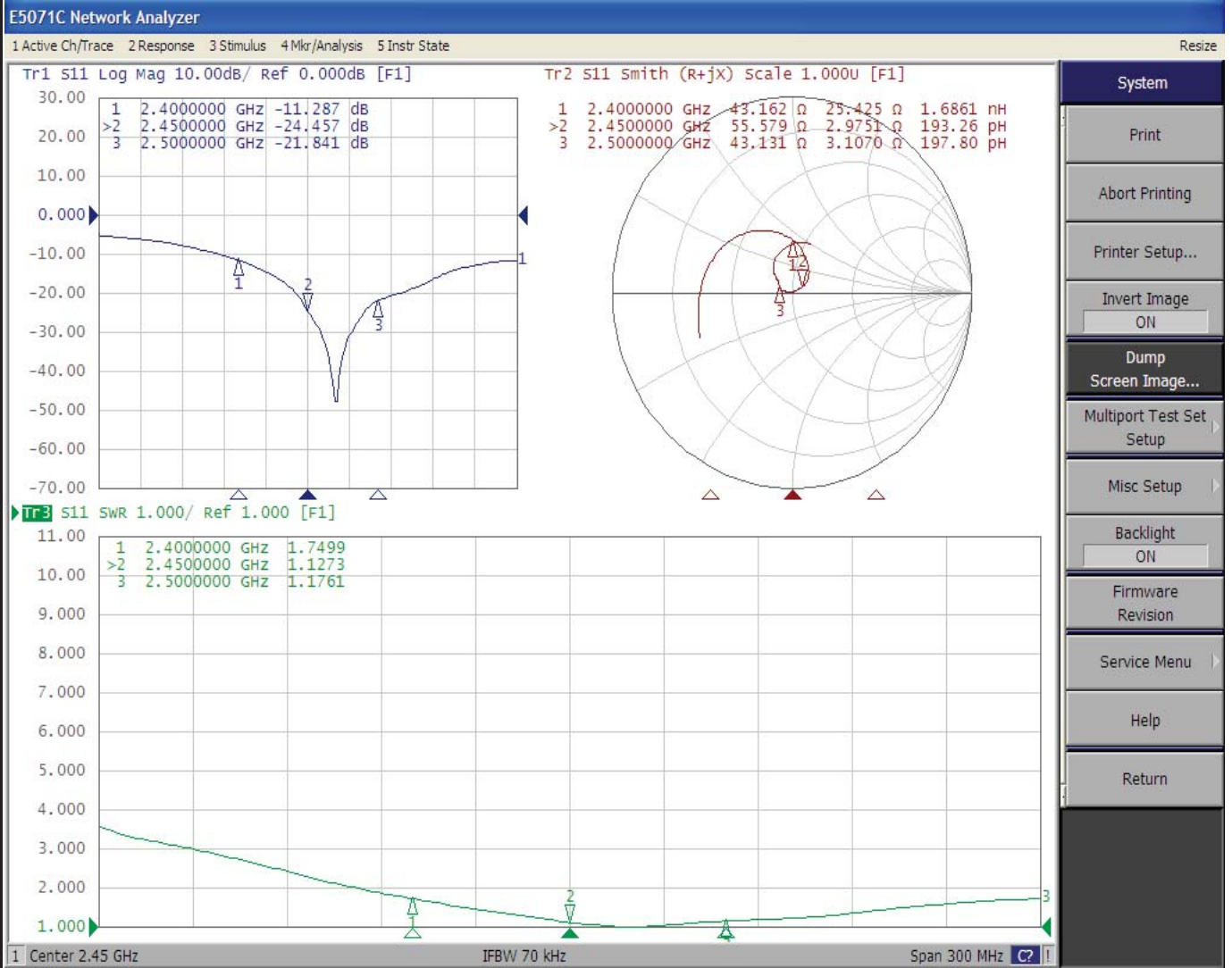
NOTES:

- 1 ELECTRICAL CHARACTERISTICS: CHARACTERISTIC IMPEDANCE: 50Ω;
WORKING FREQUENCY BAND: 2.4~2.5GHZ; VSWR:2.0MAX.
2 CABLE AND MHF DRAWING FORCE: >1.30KGF.
TEST METHOD: LIFT THE 1.30KG WEIGHT VERTICALLY OFF THE TABLE AT A SPEED OF
APPROXIMATELY 25 ± 3 MILLIMETERS PER MINUTE ALONG THE CENTRAL AXIS OF
THE CABLE, AND IT IS CONSIDERED QUALIFIED.
3 DIMENSION INSPECTION:
[*],FAI INSPECTION ITEM; ◆,QIP INSPECTION ITEM; ★,CPK INSPECTION ITEM.
4 APPEARANCE INSPECTION:
VISUAL INSPECTION: NO TRANSFORM,NO CRACK, NO STAIN AND NO BURR.
5 PACKAGING SPECIFICATIONS: 50 PCS/BIND,2 BIND/BAG = 100PCS/BAG.
6 ENVIRONMENTAL REQUIREMENTS: ROHS COMPLIANT.

6	2TA040BK1-060	H.S. TUBE: Ø4.00*L60.00,ULTRATHIN,BLACK	1
5	2TA015BK1-015	H.S. TUBE: Ø1.50*L15.00,ULTRATHIN,BLACK	1
4	2YG022	COPPER PILLAR: Ø1.20*L20.00,BRASS	1
3	2YG013	COPPER TUBE: Ø4.40*L23.00*Ø1.10,BRASS,TIN PLATED	1
2	2LM10P113210	RF CONNECTOR: MHF-1-PLUG FOR OD1.13 CABLE	1
1	2C5M11312LG1	COAXIAL CABLE: OD1.13,50Ω,GREY	1
No.	PART NUMBER	PART NAME AND DESCRIPTION	Q'TY
GENERAL TOLERANCE: UNLESS OTHERWISE SPECIFIED		FILE TYPE: PRODUCT DRAWING	Dongguan HUANGJIE Communication Technology Co., Ltd.
LINEAR: 0.5 < L ≤ 6 ± 0.05 6 < L ≤ 30 ± 0.10 30 < L ≤ 120 ± 0.20		DRA./DATE: S.He 23.12.27	TITLE: RF ANTENNA COMPONENT INTERNAL ANTENNA,OD1.13 GREY,P1 PORT COPPER TUBE,P2 PORT MHF-1-PLUG,L=200mm
ANGULAR: 0 < L ≤ 10 ± 1°30' 10 < L ≤ 50 ± 1°00' 50 < L ≤ 120 ± 0°30'		CHE./DATE:	CODE: RF2312070
APP./DATE:		FILE FORM: HJ-QR-E-03 22.09.01	SIZE: A4 UNIT: mm PRO.: 3rd SCALE: 1:0.6 PAGE: 1/1
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO HUANGJIE AND SHOULDN'T BE USED WITHOUT WRITTEN PERMISSION.	

Antenna Electrical Characteristic Test Report

Part Number:	RF2312070	Item	Judge
Part Name:	,L=200mm	VSWR ≤ 2.0	PASS
Test Equipment	Network analyzer	Gain (dBi) 2.92 dBi	PASS
Test Date	2022.12.26		

Antenna test data

Checker: xiu he

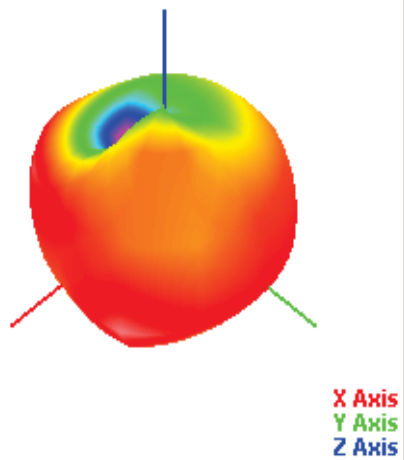
Tester: Mark

Part Number: RF2312070

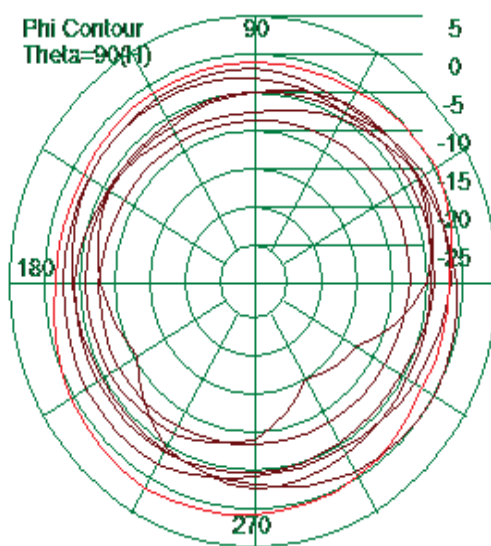
Part Name: 2.4GHz~2.5GHz Integral Antenna

Radiation

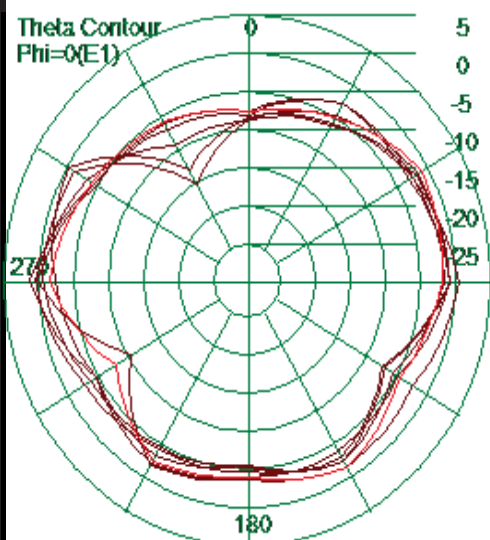
2400 MHz



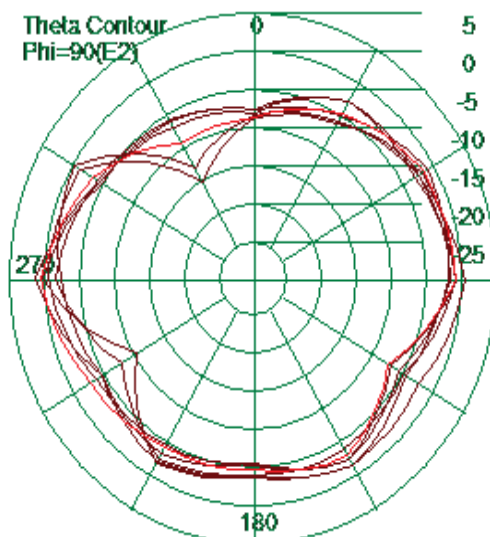
2400 MHz H



2400 MHz E1



2400 MHz E2



Checker: xiu he

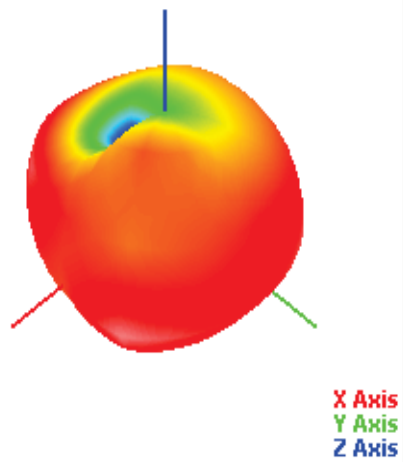
Tester: Mark

Part Number: RF2312070

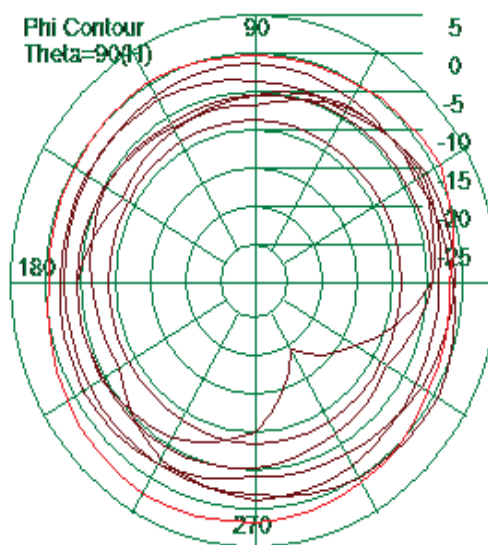
Part Name: 2.4GHz~2.5GHz Integral Antenna

Radiation

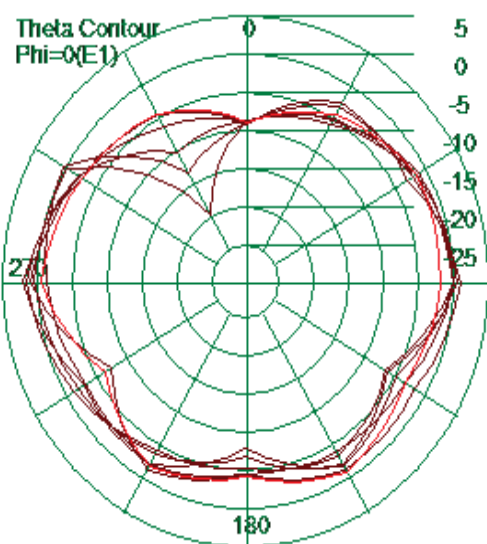
2450 MHz



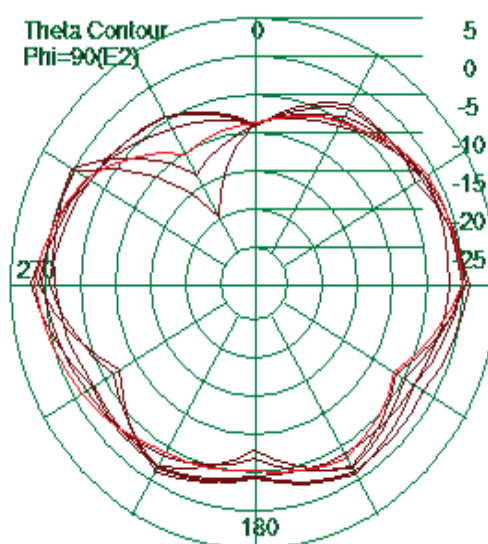
2450 MHz H



2450 MHz E1



2450 MHz E2

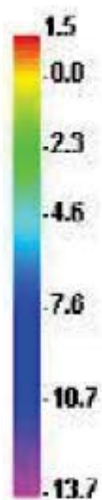
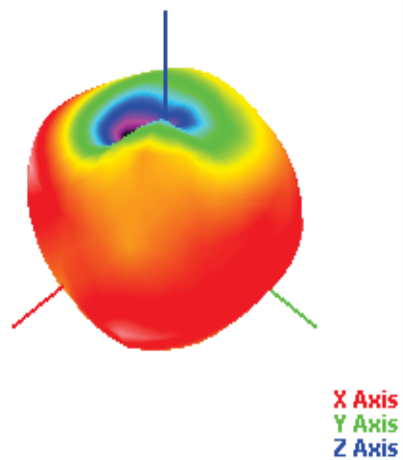


Checker: xiu he

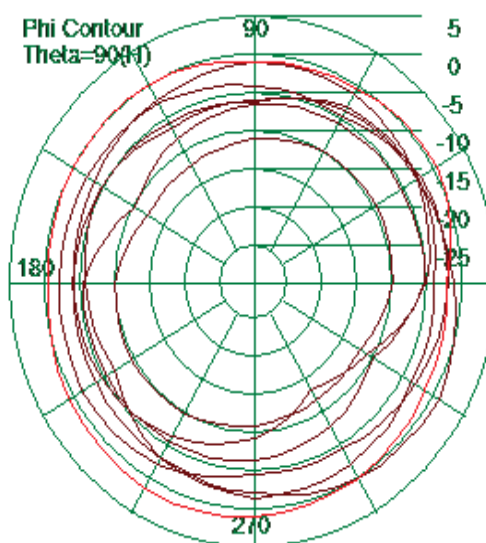
Tester: Mark

Radiation

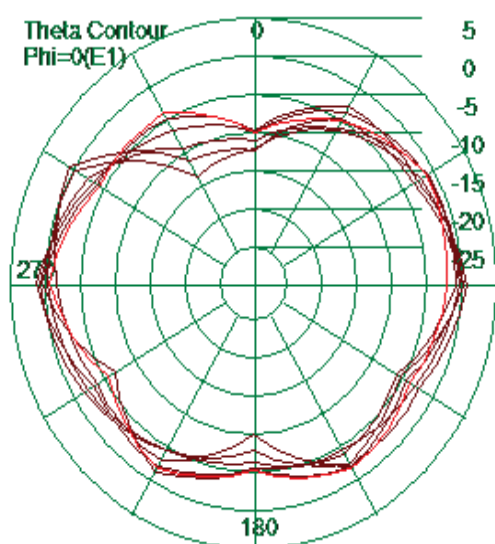
2500 MHz



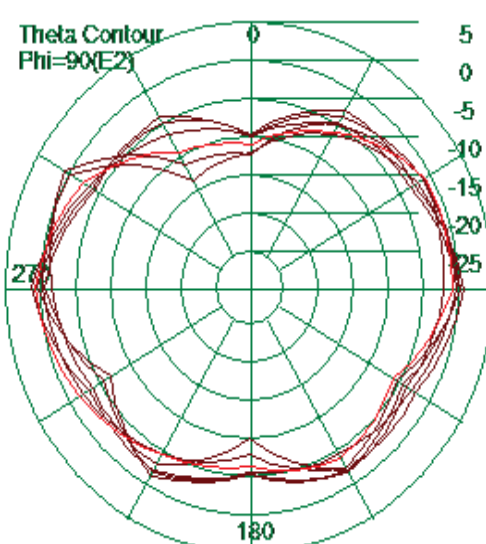
2500 MHz H



2500 MHz E1



2500 MHz E2



Checker: xiu he

Tester: Mark

Part Number: RF2312070

Part Name: 2.4GHz~2.5GHz Integral Antenna

No-source test data

Test Point ID	Freq. (MHz)	Gain (dBi)	Efficiency (%)
<u>1</u>	2400.0	2.21	69.6%
<u>2</u>	2410.0	2.36	72.2%
<u>3</u>	2420.0	2.87	78.2%
<u>4</u>	2430.0	2.17	79.0%
<u>5</u>	2440.0	2.92	80.8%
<u>6</u>	2450.0	2.88	80.0%
<u>7</u>	2460.0	2.83	78.6%
<u>8</u>	2470.0	2.64	77.8%
<u>9</u>	2480.0	2.40	76.9%
<u>10</u>	2490.0	2.30	77.4%
<u>11</u>	2500.0	2.32	77.7%
<u>12</u>	--	--	--

Checker: xiu he

Tester: Mark