

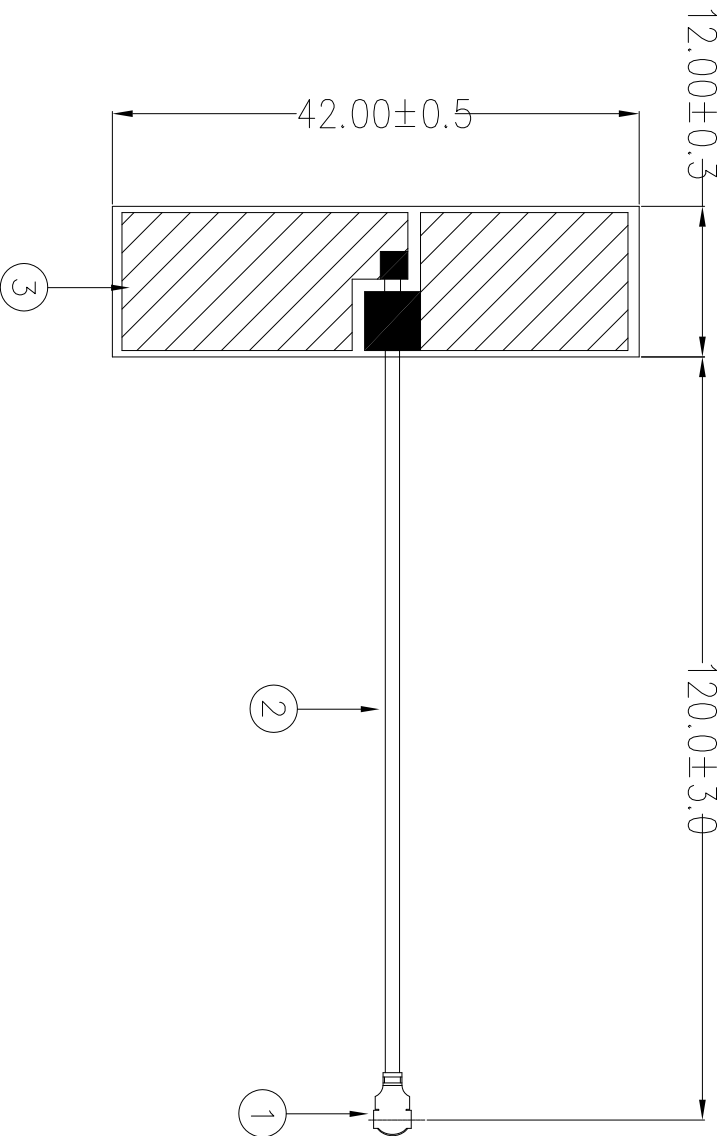
Antenna specification

Applicant:	Axil and Associated Brands
Address:	13065 South 120 East, Draper UT 84020, USA
Manufacturer:	Axil and Associated Brands
Address:	13065 South 120 East, Draper UT 84020, USA
Product:	AXIL XPHERE
Model:	AXIL XPHERE
Date:	2023-04-03

Antenna Gain	
Frequency	Gain
2400 MHz	2.1 dBi
2410 MHz	2.3 dBi
2420 MHz	2.2 dBi
2430 MHz	2.8 dBi
2440 MHz	3.0 dBi
2450 MHz	2.4 dBi
2460 MHz	2.1 dBi
2470 MHz	1.9 dBi
2480 MHz	2.7 dBi
2490 MHz	2.9 dBi
2500 MHz	2.4 dBi

Electrical Properties	
Frequency	2.4GHz
Impedance	50 Ohm Nominal
V.S.W.R	1.92 : 1 Max
Return Loss	-10 dB Max
Radiation	Omni-directional
Gain (Peak)	3dBi
Cable Loss	3.2 dB / m Max @ 2450 MHz
Polarization	Linear, Vertical
Admitted Power	1 W
Connector	ipex
Physical Properties	
Antenna Material	FPCB
Cable Type	O.D. 1.13mm // 120 mm
Operating Temp.	-40 ~ +85 °C
Storage Temp.	-40 ~ +85 °C
Cable Color	Black

SIGN	DATE	DESCRIPTION	APPROVER
△			
△			
△			



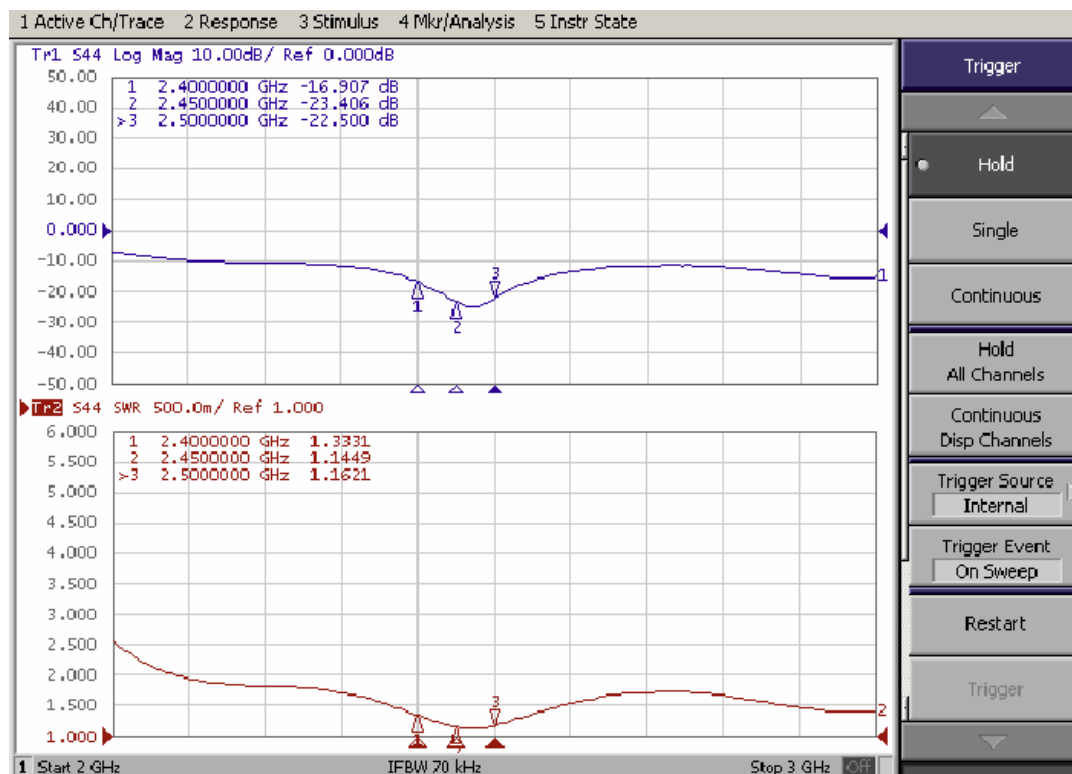
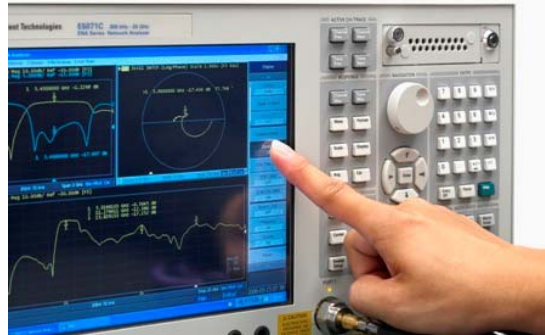
3	NB030B	FPC	42*12mm	1
2	R-CB-113B	Coaxial Cable	SHOWA-O.D. 1.13mm Black	1
1	Cl-113	Connector	Mini Connector	1
No.	Part Number	Name	Material	Q'ty

TITLE: 2.4GHz Antenna				
PART NO.: NB030-13B-IX130		DWG NAME: NB030-13B-IX130.DWG		
APPROVED BY	CHECKED BY	DESIGNED BY	Tolerance	
jeff 2014-02-26	leon 2014-02-26	YD 2014-02-26	UNITS: mm	X.X ±0.20
			SCALE: 1/1	X.XX ±0.10
			REVISION: A	X° ±3°

S 参数测试

S Parameter Test

Agilent E5071C



增益测试

Gain Test

*Antenna
Radiation
Pattern
VS
Gain*

