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REV

DESCRIPTION

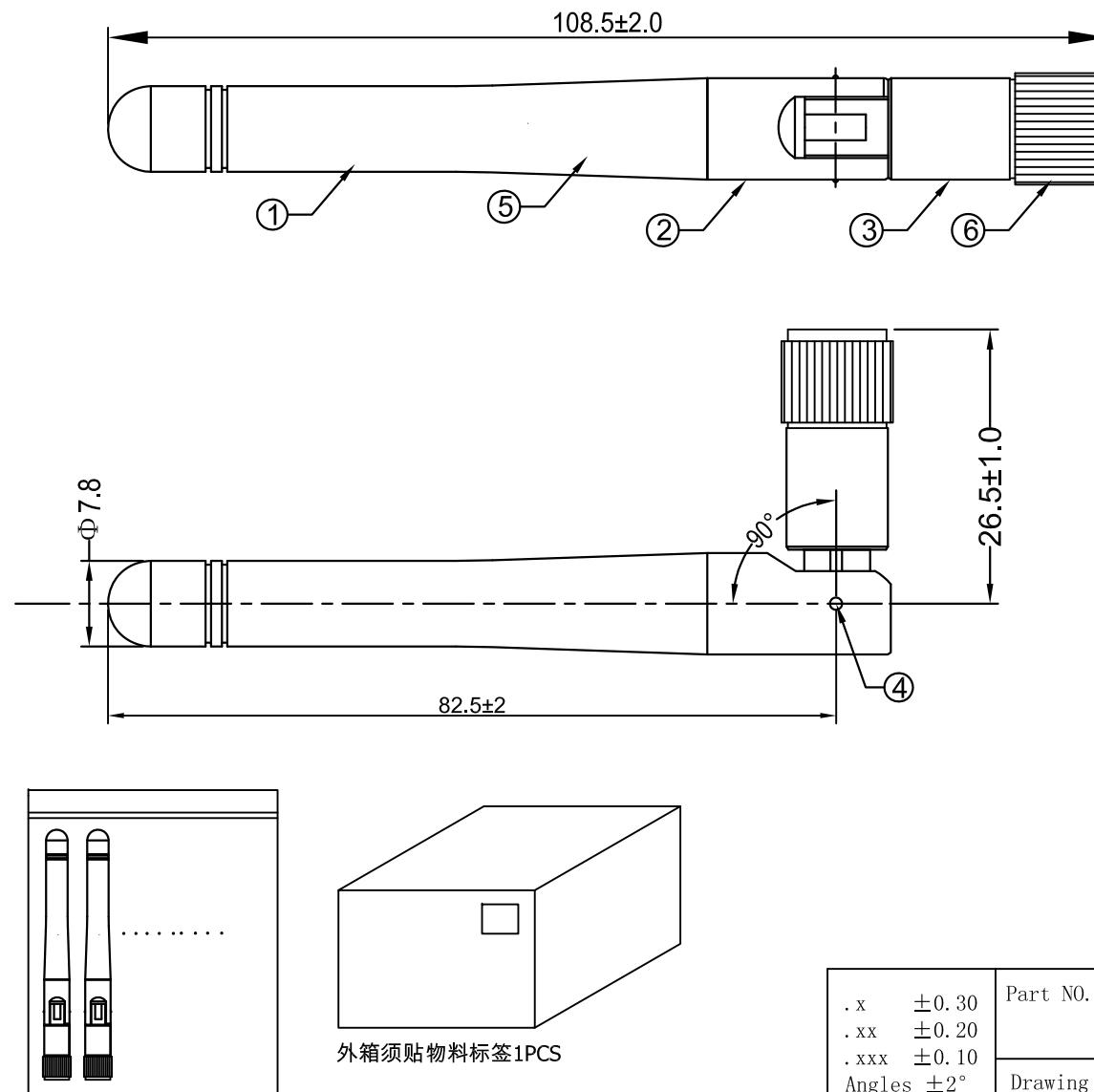
DATE

APPROVED

A0

NEW

May.09.2011



Qantas Electronic Technology Ltd.
Flat G, 18/F., Century Centre, 33-35 Au Pui
Wan Street, Fotan, N.T. Hong Kong.

Specification:
Frequency Range: 2.4GHz~2.5GHz
Return Loss: -10dB or less
VSWR: 1.92 Max
Gain: 2.0 dBi

6	接头	SMA PLUG 全铜黑色	1PCS
5	线材	R178 线材棕色 $50\Omega=83\text{mm}$	1PCS
4	铆钉	$\phi 1.6*3.8\text{mm}$ 材质: POM 黑色	2PCS
3	下固定座	$\phi 9.35*20\text{mm}$ 材质: PBT 黑色	1PCS
2	上固定座	$\phi 9.35*28.8\text{mm}$ 材质: PC 黑色	1PCS
1	天线杆套	$\phi 9.35*67.5\text{mm}$ 材质: TPE 黑色	1PCS
序号 材料名称 材料规格 用量			

. x	± 0.30	Part NO. :	QT 港泰电子科技有限公司	
. xx	± 0.20	QT-Ra-10016		Qantas Electronic Technology Limited
. xxx	± 0.10	Tel:(852) 2345 6455		Fax:(852) 3563 5300
Angles	$\pm 2^\circ$	Drawing by	Title: 2.4GHz~2.5GHz 2dBi 黑色 天线(全铜头)	
TOLERANCES		Checked by	DWG NO. :	
		kevin		
		Approved by	David	Scale: Unit: mm
			A4	Page: 1 OF 1

Document Revision

Prepared by
ALEXANDER AZHARIDate
2025-06-26

Contents responsible if other than preparer

Remarks

Approved by

EBS-41 Antenna Report

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1 Introduction

This report describes the EBS-41 external dipole antenna.

2 Conclusion

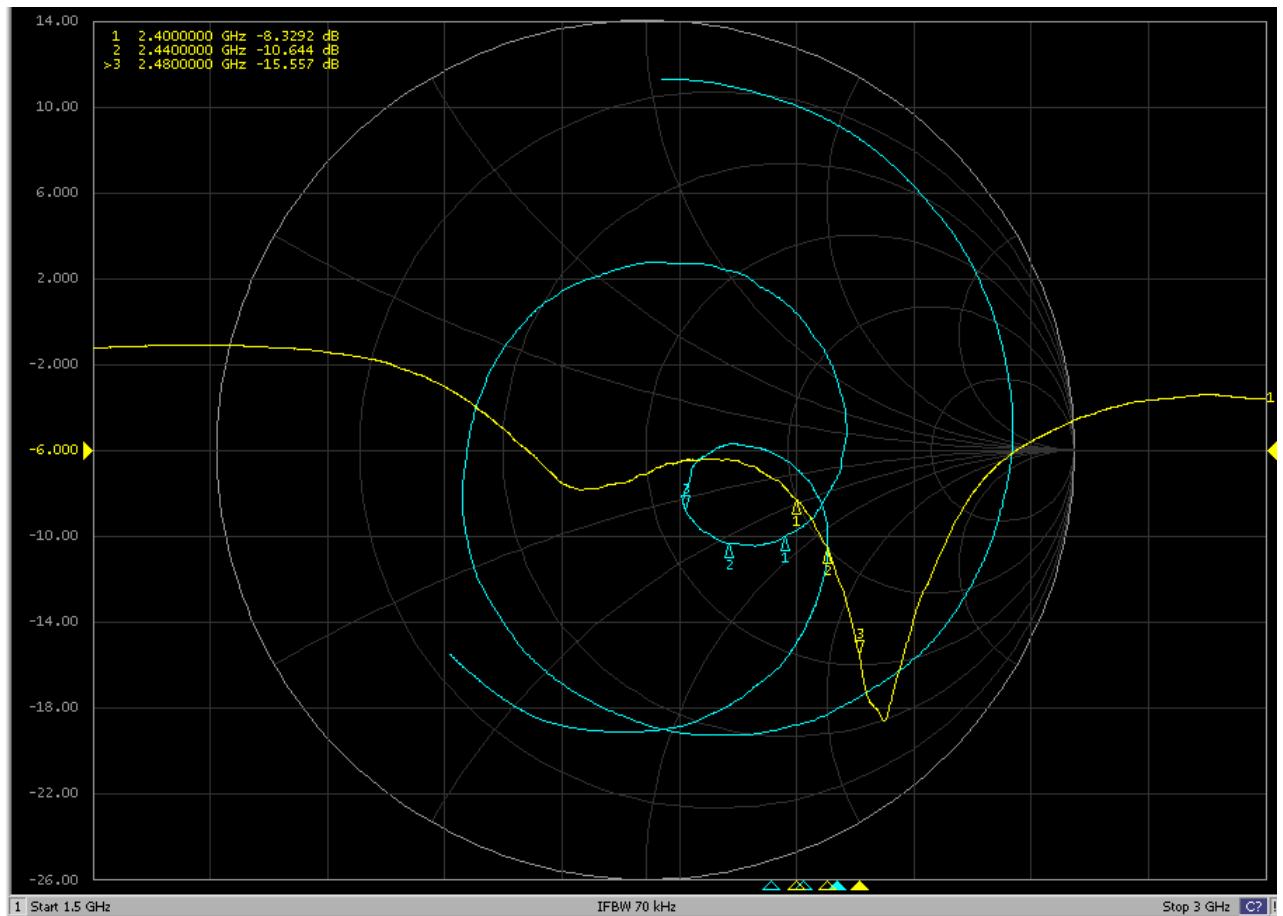
Measurements show that the external dipole antenna is operating as intended. The bandwidth 2400-2480MHz is well covered and matched by the external dipole antenna.

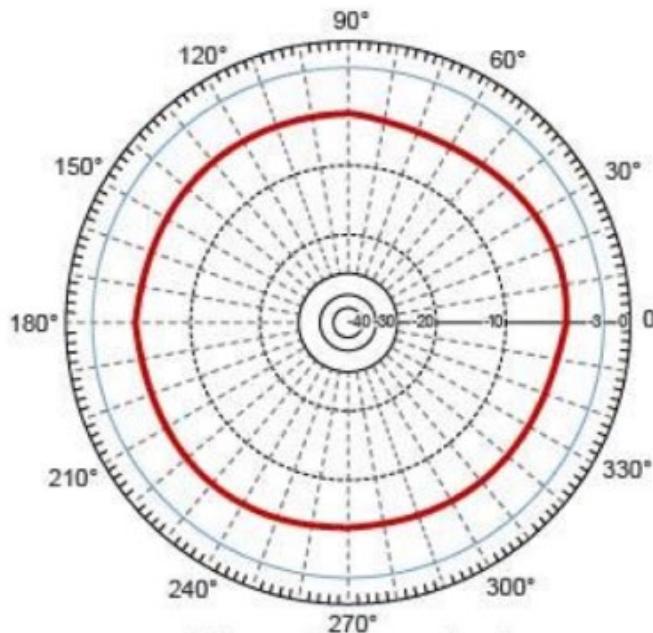
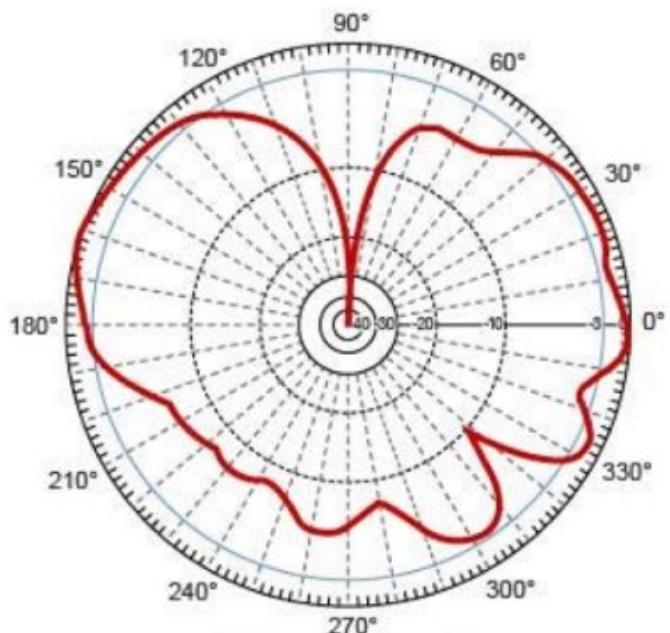
3 Measurements

The measurements have been done in complete mechanics.

3.1 External Dipole Antenna

Measurements in NVA show that the antenna resonance is tuned and matched for the operational frequencies. External dipole antenna bandwidth @-6dB is 642MHz.



3.2**RF Antenna Pattern****Horizontal****Vertical**