

Specification for approval

Model Name	北京播思/ DUCATI	Frequency band	2400 ~ 2500MHz	
VLG P/N	V1129-007	Versions	A	
RF engineer	Hushuai	Reviewed by		
Structural engineer	Qunyan Wu			
Quality engineer	Hong Yu			
PM	Xia Yin			
date	2014-01-07			
Customer project name				
Customer P/N				
Customer Confirm				
VLG Wireless Technology				

Report Name	DUCATI	Customer	北京播思
Date	2014-01-07	Ver	1.0
Owner	Hushuai	Reviewed by	

CONTENT

Specification for approval	1
1 General Information.....	3
2 Test information.....	4
2.1 The whole fixture.....	4
3 Measurement information.....	6
3.1 S11.....	6
3.2 Peak Gain and Average Gain(azimuth plane)	6
4. Mechanical information	9
4.1 CAD drawings	10

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1 General Information

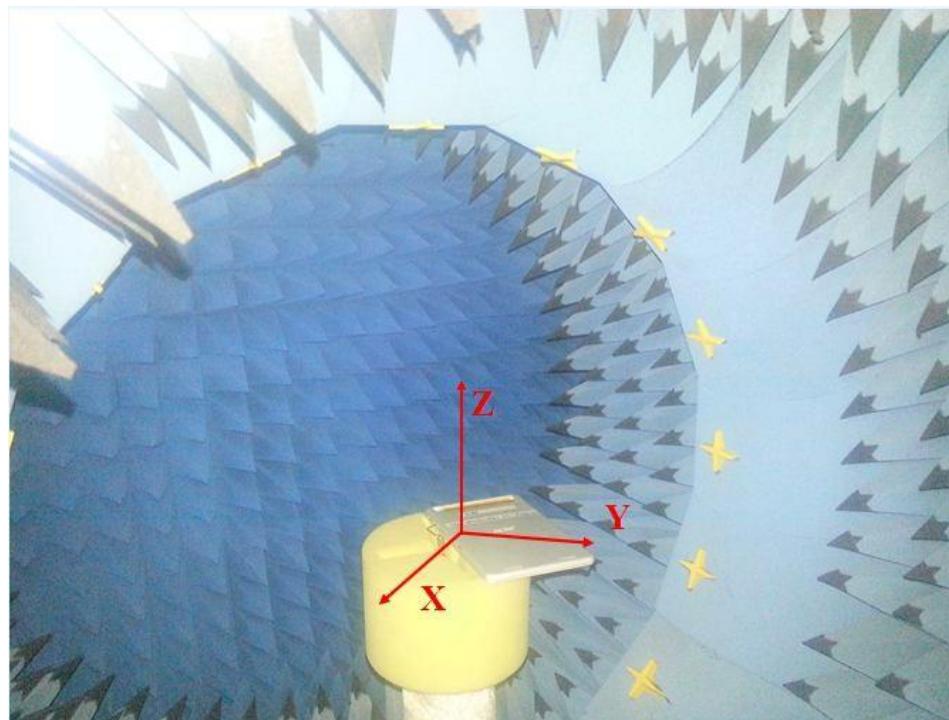
- Antenna type is Omnidirectional.
- Antenna shape size: Meet the requirement of DUCATI.
- Antenna band: 2400 ~ 2500MHz MHz
- Antenna material: Antenna material meet the requirement of DUCATI
- Mechanical Information

Mechanical Dimension	
Description	Material
Cable Length of DUCATI Antenna	7.08cm/Black
MAX Antenna gain	1.0dBi
Metal	I-PEX Cable/ Omnidirectional antenna
Coaxial Cable	50Ohm/O.D.0.81mm
Size	7.08cm*19.7mm*0.15mm
Mini Coaxial Connector	N/A
Environmental	
Operation Temperature	-40 to +85 deg C
Storage Temperature	-40 to +85 deg C

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2 Test information

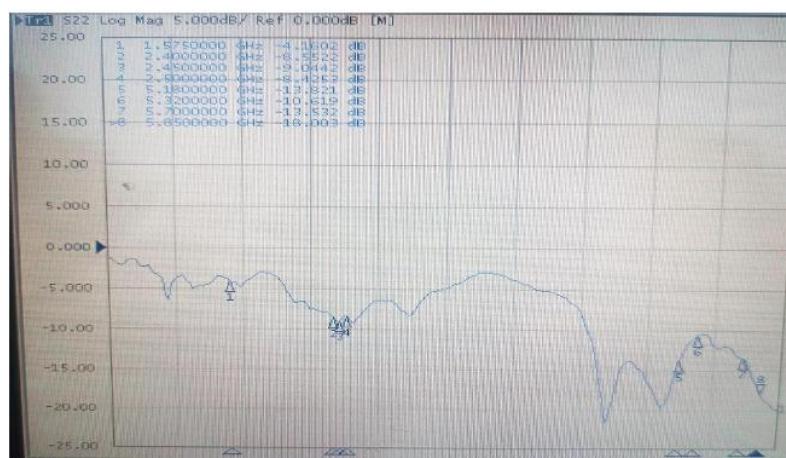
2.1 Test environment



Report Name	DUCATI	Customer	北京播思
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3 Measurement information

3.1 S11



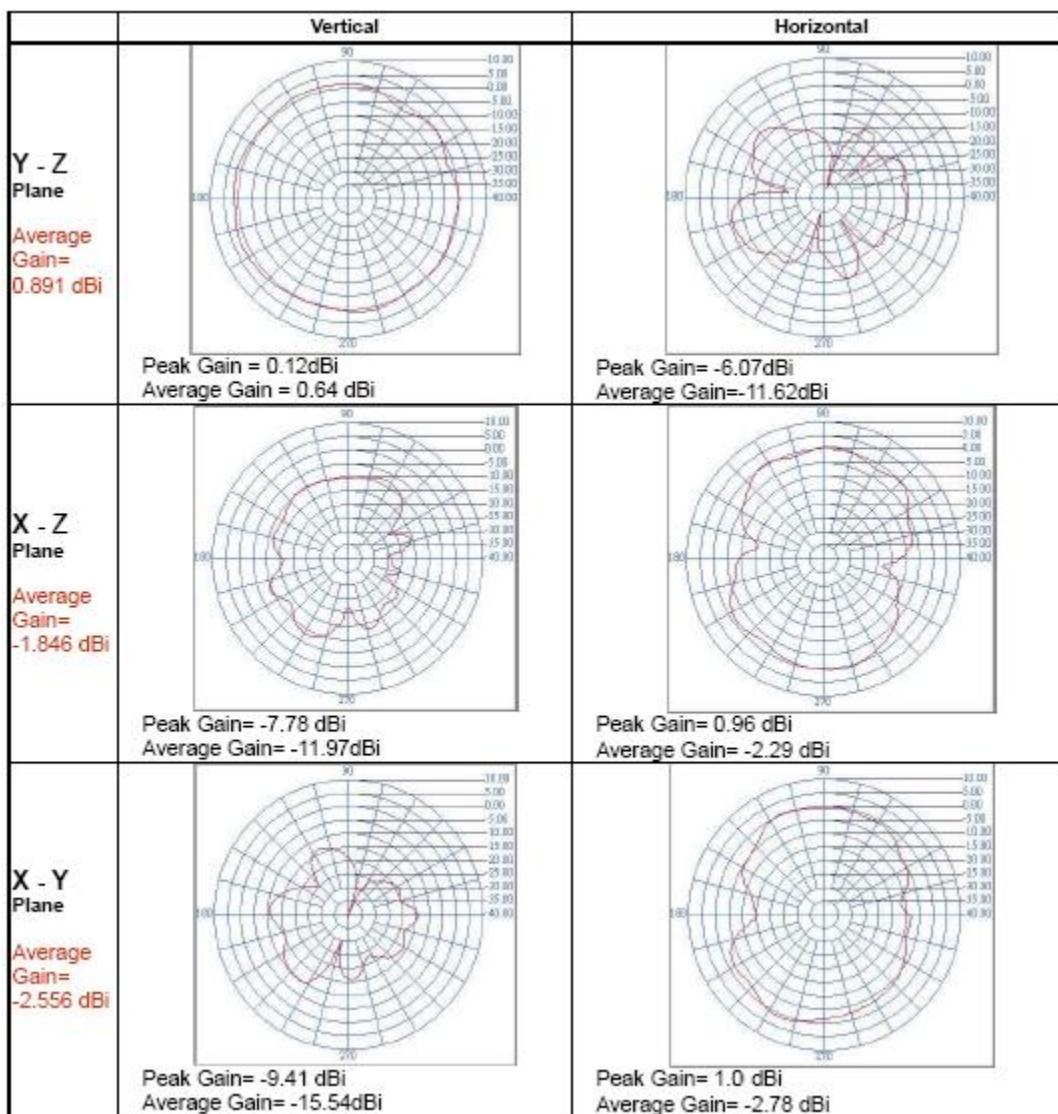
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3.2 Peak Gain and Average Gain(azimuth plane)

The efficiency is tested in VLG's SATIMO Starlab chamber.

Antenna

Unit in dBi @2.44GHz	XY-plane		XZ-plane		YZ-plane		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
Module Board	1.0	-2.78	0.96	-2.29	0.12	0.64	4.2 %



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