



KNCTEK SWITCHABLE GPS ANTENNA KANT-3200B Specification

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KANT-3200B SPECIFICATION

Introduction

Knctek's KANT-3200B Antenna is specially designed to switch the antenna mode type to the external mode from the internal mode mechanically when the external antenna is being connected. It also returns to the internal mode from external mode when the external antenna is disconnected.

We are proudly introducing this GPS antenna to satisfy the special customer requirement with excellent bandwidth signal and best performance.

ANTENNA ELEMENT					
Center Frequency	1575.42MHz				
Polarization	R.H.C.P.				
Gain @ Zenith	+2 dBi typical				
Impedance	50Ω				
Ground Plane Condition 60x60 [mm]					
Frequency may be offset for changes in ground plane and radome.					
LOW NOISE AMPLIFIER					
Frequency	1575.42 ±1.023 MHz				
VSWR	Less than 2.0				
Impedance	50Ω				
LNA Gain	28 dB ±2 dB				
Noise Figure	2.0dB (max)				
Voltage	DC +3.0 V (±0.3V)				
Current	20mA (max)				
MECHANICAL					
Height	7.4mm				



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Width	22.0 x 31.5mm			
Cable	Miniature Cable (Gray Color) 50mm			
Connector	U.FL			
External Connector	MCX (Jack)			
Mounting	-			
ENVIROMENTAL				
Operating Temp.	-30°C ~ +80°C			
Storage Temp.	-40°C ~ +90°C			

Buyer	㈜ 모바일어플라 이언스	Inspection Report		A p	Prepared By	Т	ested By	Approved By		
Model	KANT-3200B									
Lot size	100EA	Test		25 EA/Lot						
Lot No.	SAMPLE	Method	Vlethod		Inspector		이 지 훈			
Lot 110.	OAWII LL	Date		Aug . 27. 2005.		Inspector		1 7 1 正		
Spec		Electrical Characteristics								
	Current	Gain		N.F		V.S.W.R				
No, of Sample Material	Max 20mA	±2 dE	}	Max 2.0dB	Max	1:2.0		Tes	t Result	
1	14	28.2		1.53		1.33			Acc	
2	14	28.5		1.46		1.18			Acc	
3	13	28.1		1.50		1.35			Acc	
4	13	28.3		1.39		1.30			Acc	
5	14	27.4		1.49		1.28			Acc	
6	14	27.7		1.50		1.24			Acc	
7	13	28.1		1.49		1.06			Acc	
8	13	28.3		1.45		1.22			Acc	

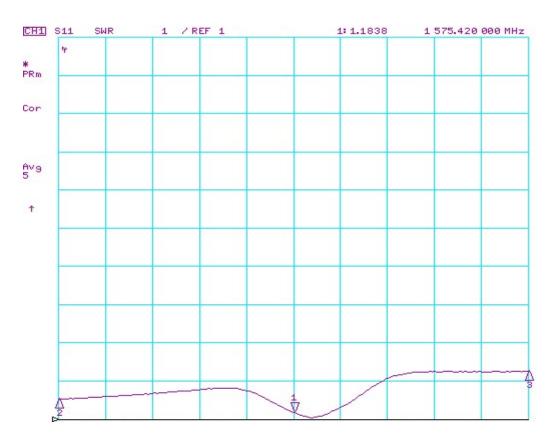


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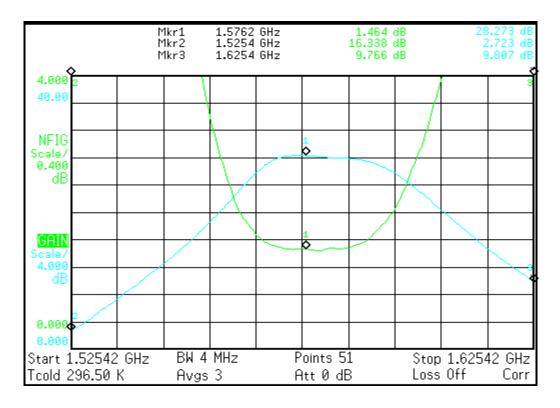
9	14	27.3	1.57	1.12	Acc
10	14	27.3	1.55	1.28	Acc
11	15	27.5	1.58	1.05	Acc
12	14	28.0	1.55	1.12	Acc
13	15	27.0	1.73	1.09	Acc
14	14	27.2	1.60	1.21	Acc
15	14	27.4	1.55	1.32	Acc
16	14	28.1	1.52	1.20	Acc
17	14	27.4	1.55	1.17	Acc
18	14	27.0	1.56	1.16	Acc
19	13	27.7	1.54	1.05	Acc
20	13	28.1	1.53	1.15	Acc
21	13	27.4	1.56	1.09	Acc
22	13	27.9	1.53	1.06	Acc
23	13	27.4	1.55	1.01	Acc
24	13	27.6	1.61	1.11	Acc
25	13	27.9	1.60	1.23	Acc



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VSWR (LNA)



NF & Gain (LNA)





