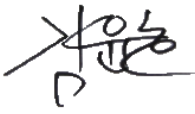




Antenna datasheet



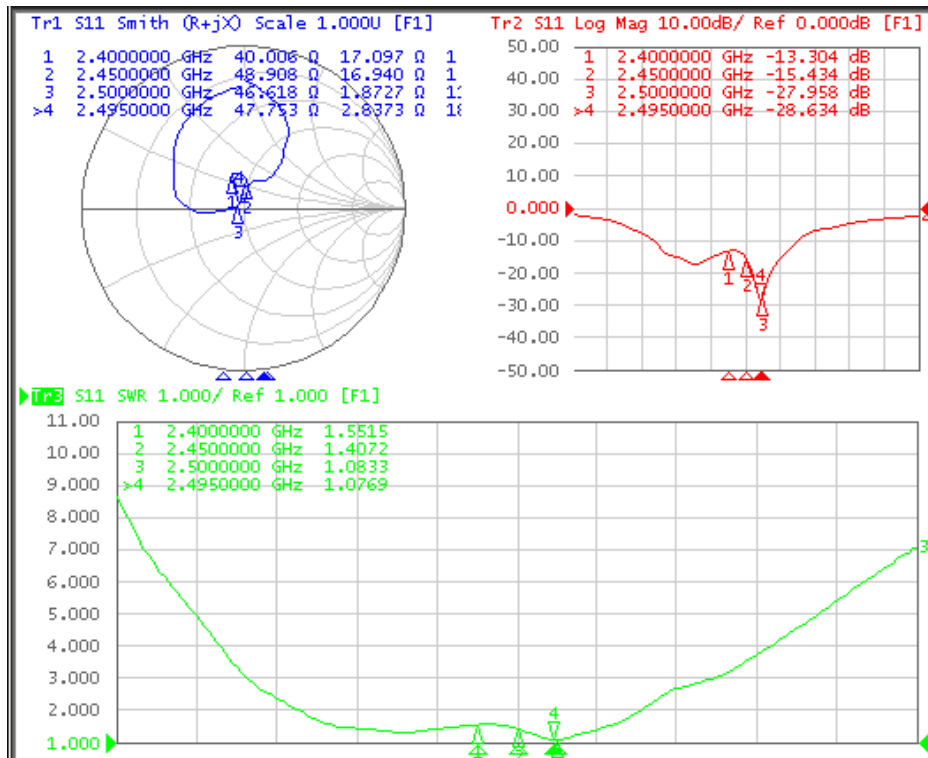
APPROVAL SHEET

Device name	ANTENNA		
Customer	JUNSUNG TECH		
Model name	GS-15		
User Code			
Manufacturer	Kwangjin Telecom		
Part number	KJI-0004		
Junsung Tech	Review	Review	Approval
Kwangjin Telecom	Undertake	Review	Approval
			
	Research team	Quality team	Quality team
	Y.H Kim	S.H Beak	Y.K Heo
	09-05-07	09-05-07	09-05-07

4. Electrical Characteristics

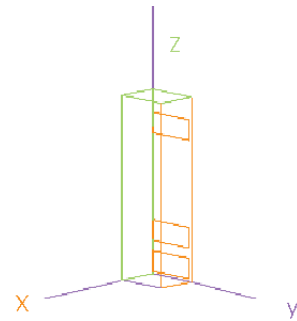
Electrical Characteristics	CODE	KJI - 0004										
<p>1.1 General Specifications</p> <table border="1"> <tr> <td>MODEL</td> <td>GS-15</td> </tr> <tr> <td>ANTENNA TYPE</td> <td>FOLDED MONOPOLE TYPE</td> </tr> <tr> <td>APPLICATIONS</td> <td>ANTENNA</td> </tr> </table>			MODEL	GS-15	ANTENNA TYPE	FOLDED MONOPOLE TYPE	APPLICATIONS	ANTENNA				
MODEL	GS-15											
ANTENNA TYPE	FOLDED MONOPOLE TYPE											
APPLICATIONS	ANTENNA											
<p>1.2 Test Fixture</p> <table border="1"> <tr> <td>Frequency Range [Mhz]</td> <td>2400 ~ 2500 MHz</td> </tr> <tr> <td>Lower FREQUENCY(2400Mhz) SWR [MAX]</td> <td>3.0</td> </tr> <tr> <td>Upper FREQUENCY(2500Mhz) SWR [MAX]</td> <td>2.0</td> </tr> </table>			Frequency Range [Mhz]	2400 ~ 2500 MHz	Lower FREQUENCY(2400Mhz) SWR [MAX]	3.0	Upper FREQUENCY(2500Mhz) SWR [MAX]	2.0				
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<p>1.3 Set mounting measurement</p> <table border="1"> <tr> <td>ITEM</td> <td>SPEC</td> </tr> <tr> <td>Frequency Range [Mhz]</td> <td>2400 ~ 2500</td> </tr> <tr> <td>SWR [Max]</td> <td>-</td> </tr> <tr> <td>Input Impedance [Ω]</td> <td>50Ω</td> </tr> <tr> <td>Polarization</td> <td>-</td> </tr> </table>			ITEM	SPEC	Frequency Range [Mhz]	2400 ~ 2500	SWR [Max]	-	Input Impedance [Ω]	50 Ω	Polarization	-
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<p>1.4 Mechanical Specification</p> <table border="1"> <tr> <td>LENGTH</td> <td>26.7mm × 8.4mm</td> </tr> <tr> <td>TEMPERATURE</td> <td>-40℃ ~ +80℃</td> </tr> <tr> <td>CONNECTOR TYPE</td> <td>SOLDER CONTACT TYPE</td> </tr> </table>			LENGTH	26.7mm × 8.4mm	TEMPERATURE	-40℃ ~ +80℃	CONNECTOR TYPE	SOLDER CONTACT TYPE				
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CONNECTOR TYPE	SOLDER CONTACT TYPE											

1.5 Set mounting measurement data [Network Data]



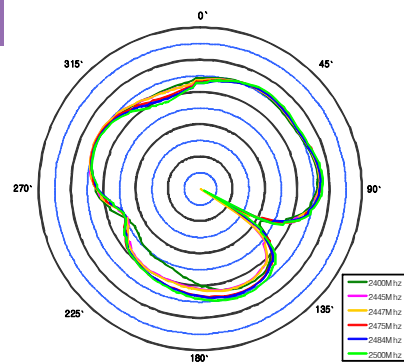
1.6 Set mounting measurement [2D Passive chamber data]

- H plan : XY
- E1 plan : XZ
- E2 plan : ZY



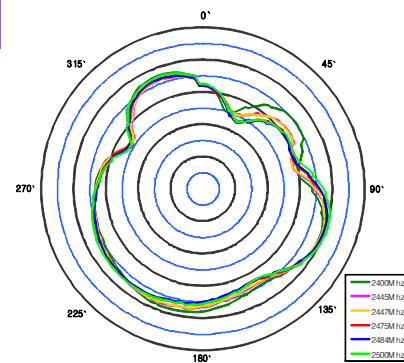
- H plan

Frequency	Max(dBi)	Avg(dBi)	Beam Peak
2400Mhz	-3.40	-7.14	84°
2445Mhz	-2.87	-6.77	84°
2447Mhz	-2.86	-6.78	84°
2475Mhz	-2.56	-6.50	86°
2484Mhz	-2.65	-6.63	86°
2500Mhz	-2.00	-6.19	86°



- E1 plan

Frequency	Max(dBi)	Avg(dBi)	Beam Peak
2400Mhz	-0.91	-4.51	116°
2445Mhz	-0.63	-5.13	112°
2447Mhz	-0.66	-5.17	110°
2475Mhz	-0.25	-5.19	112°
2484Mhz	-0.31	-5.31	112°
2500Mhz	0.36	-4.72	110°



- E2 plan

Frequency	Max(dBi)	Avg(dBi)	Beam Peak
2400Mhz	-5.40	-9.31	78°
2445Mhz	-4.12	-8.30	304°
2447Mhz	-4.08	-8.27	304°
2475Mhz	-3.57	-7.57	304°
2484Mhz	-3.75	-7.64	304°
2500Mhz	-3.48	-7.09	302°

