

KOSAN Chip Antenna

Datasheet

Title	Bluetooth Microchip Antenna	Tested by
Model Name	SMT-M07-1	D.H.JUNG
Date of Test	December 24, 2001	

Specifications

List	Spec.	Note
① Frequency Range	2.4 ~ 2.4835 [GHz]	
② Bandwidth	83.5 [MHz]	
③ V.S.W.R	1.5 : 1	
④ Antenna Gain	3 ~ 4[dBi]	Max.
⑤ Radiation element material	Copper	
⑥ Input Impedance	50[Ω]	
⑦ Polarization	Linear	
⑧ Temperature	-30 ~ 80[°C]	
⑨ Humidity	25 ~ 90%	
⑩ Dimension	11 x 5 x 2 [mm]	

⑪ Input Connector	Non Connector	
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KOSAN I & T Co., Ltd.

Fig 1. Returnloss

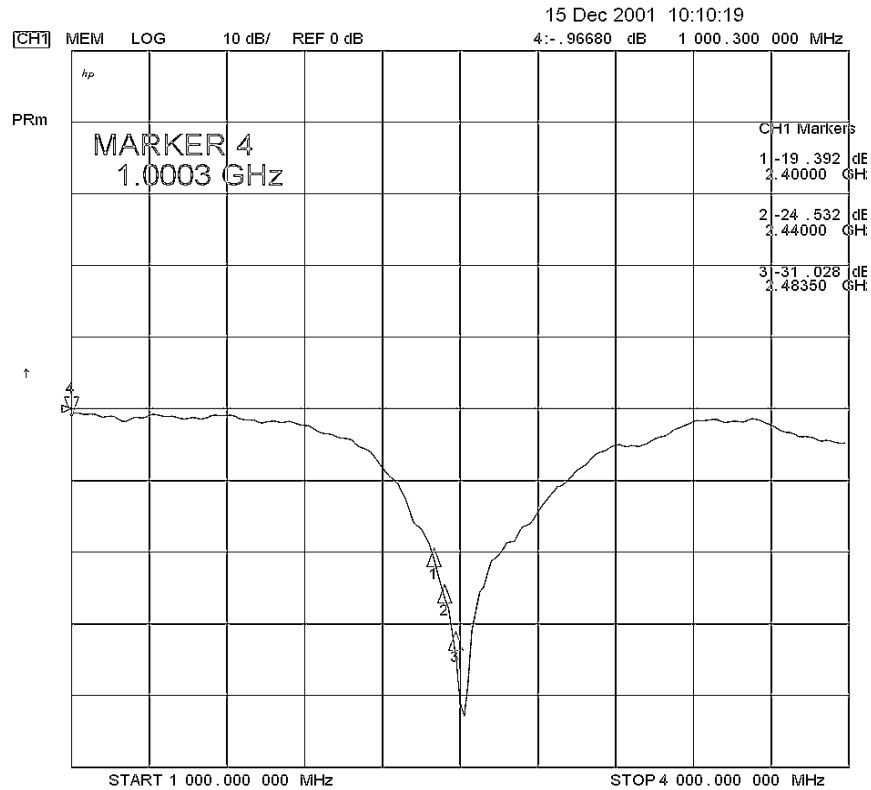


Fig 2. VSWR

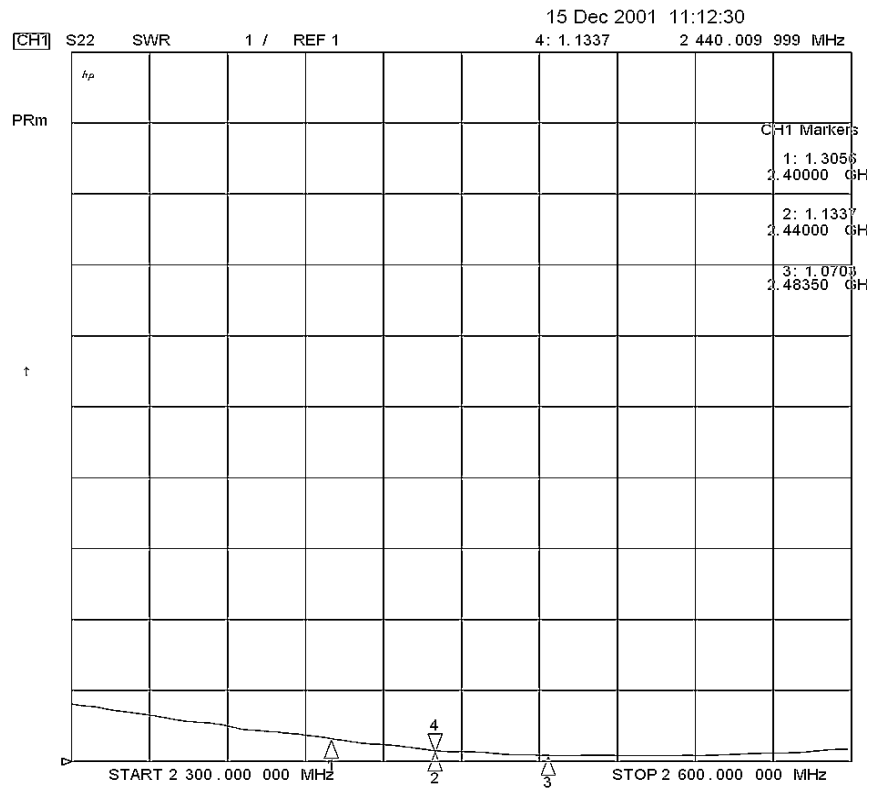


Fig 3. Smith Chart

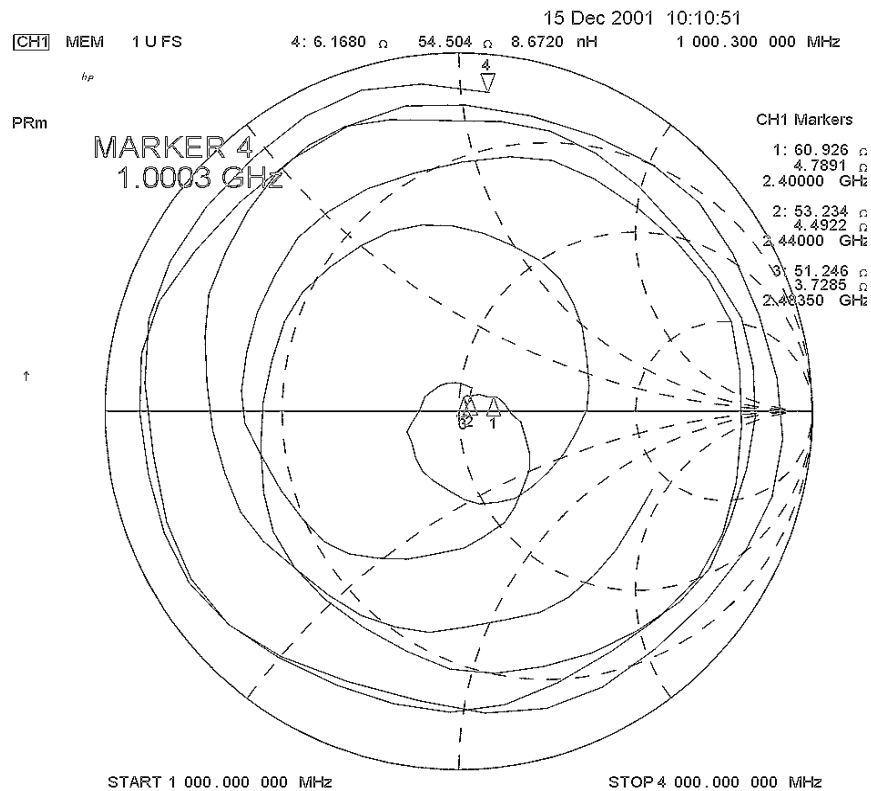
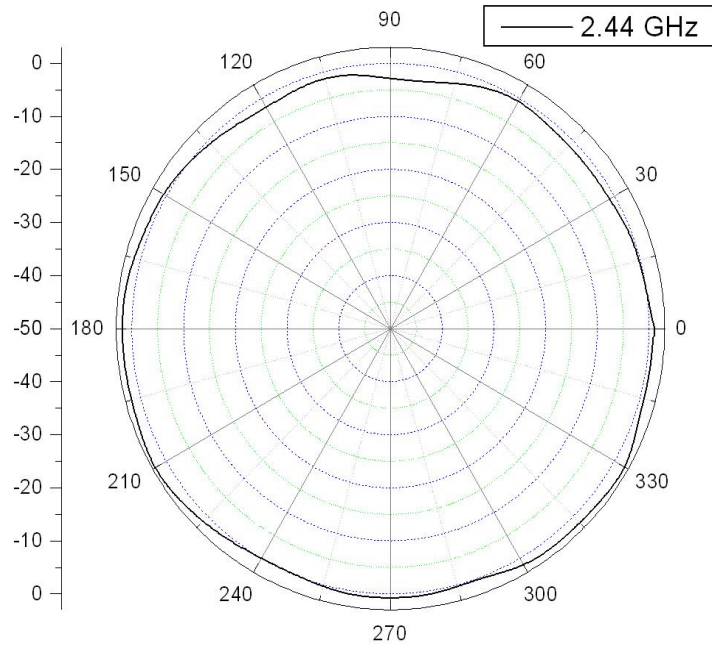
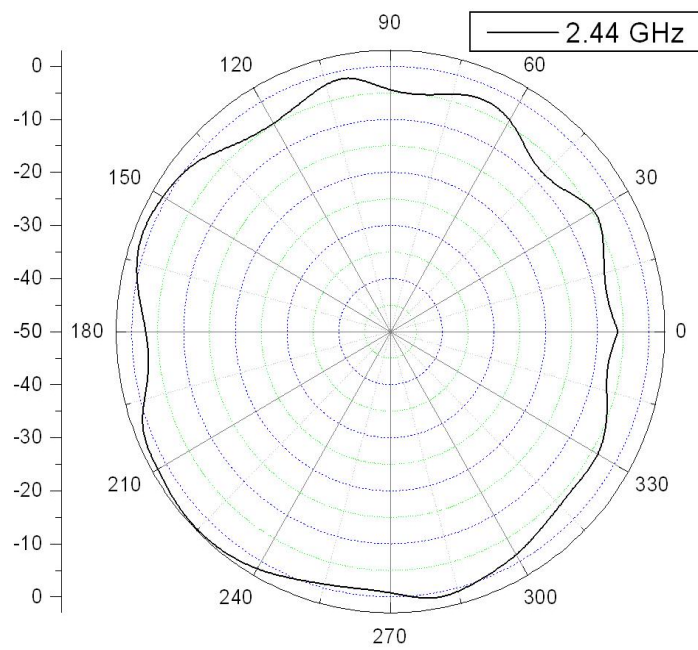


Fig 4. Radiation Pattern



Azimuth Pattern



Elevation Pattern