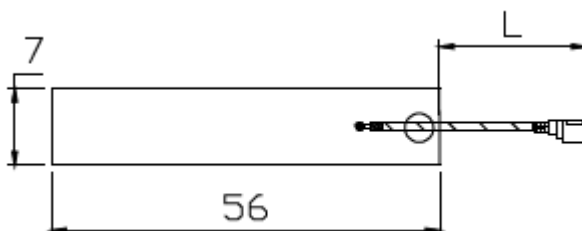




**Electrical Specifications**

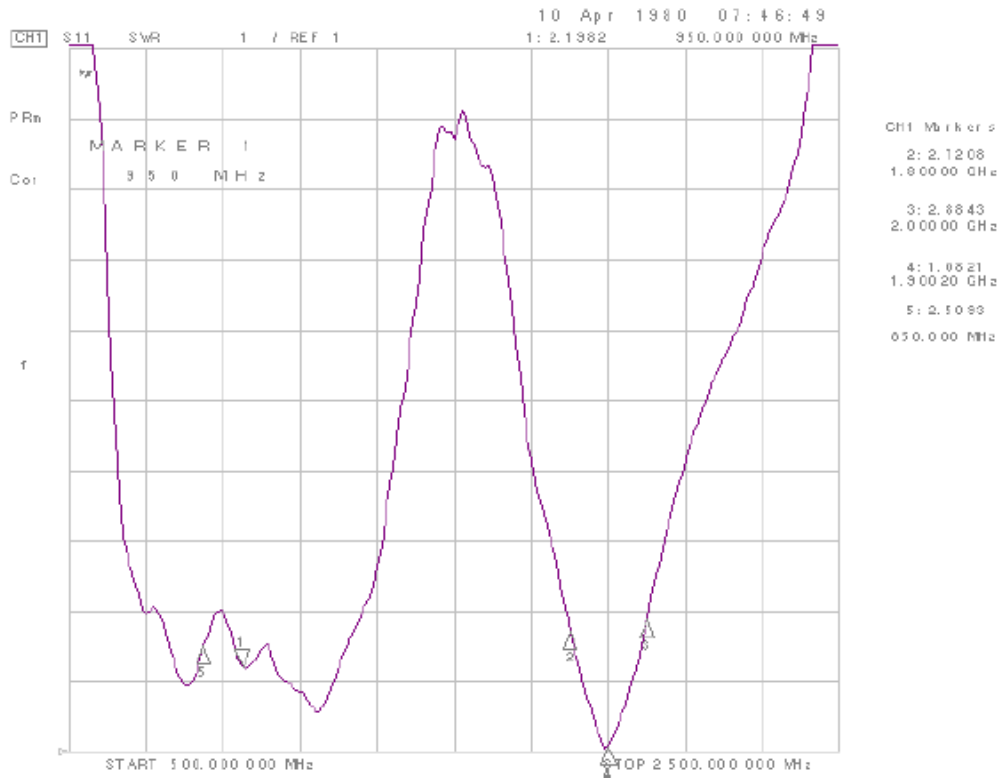
Parameters	Specification	Unit	
Frequency Range	GSM900: 820 ~ 960	MHz	
	GSM1800: 1710 ~ 1880		
	GSM1900: 1850 ~ 1990		
	UMTS: 1900 ~ 2170		
VSWR	2	-	
Bandwidth	140 @ 900	MHz	
	170 @ 1800		
	140 @ 1900		
	170 @ 2000		
Impedance	50	$\Omega$	
Gain, typ	1 @ 900	dBi	
	1 @ 1800		
	1 @ 1900		
	1 @ 2000		
Azimuth	Omni-direction	-	
Polarization	Linear	-	
RF Cable	Length	$30 \pm 2$	mm
	Diameter	$1.13 \pm 0.1$	
Connector	IPEX		
Operating Temperature Range	-40 ~ +85	$^{\circ}\text{C}$	
Storage Temperature Range	-45 ~ +85	$^{\circ}\text{C}$	

**Mechanical Specifications**



**Frequency Characteristics**

**VSWR**



May, 2016