PRODUCT SPECIFICATION

Name: GSM Sticky Antenna
PART NO. ： AMT-GSM-P1
Customer ：
Customer P/N ：
Issue Date ： June 25th,2018

Checked		Prepared	
Customer Approve			
Department			
Signature			

Product Features

* Compact construction
* Beautiful shape
* Convenient installation
* Stable performance

Product Applications

* Car Anti-theft System
* Terminal data transmission

Electrical Specifications

Frequency range（MHz）	2G(890-915, 935 – 960)	3G(1920-1980, 2110 -2170)	4G(2660-2750)
Return Loss(dB)	-21	-19	-15
V.S.W.R	1.25	1.21	1.24
Efficiency(%)	82.3	72.78	64.89
Peak Gain(dBi)	3.53	3.25	0.85
Average Gain（dBi）	2.455	2.175	-0.225
Impedance (Ω)	50		
Max Input Power (W)	50		
Radiation Pattern	Omni-Directional		
Polarization	Liner		
Connector	SMA straight male		
Cable	RG174,2.5m		

Storage Environment

Temperature: -45 to +85℃

Humidity: 5% to 95% RH

Electrical Performance:

Under the condition,Temperation: 25±15℃,Humidity: 65±20%RH,Air Pressure: 960±100HPA

Mechanical Specifications

Radome Dimension-mm	119*22*5
Radome material	ABS
Radome color	Black
Operation Temperature (℃)	-40-85
Storage Temperature(℃)	-40-85
Humidity (%)	5~95
Mounting type	Adhesive Mount
Environment countermeasures	ROHS

SMA Connector

MAJOR TECHNICAL CHARACTERISTICS		
Temperature range		**-40 ~ +85**℃
impedance		50Ω
Frequency range		DC-12.4GHz
Working voltage		335V r.m.s at sea level
Withstanding voltage		1000V r.m.s at sea level
Contact resistance	Center contact	≤3mΩ
Insulation resistance		≥5000MΩ
Center conductor retention force		≥0.28N
Coupling nut retention force		≥180N
Insertion loss		≤0.15db/6GHz
V.S.W.R		≤1.10/3GHz
Durability		≥500cycles

SMA(MATERIAL & PLATING)

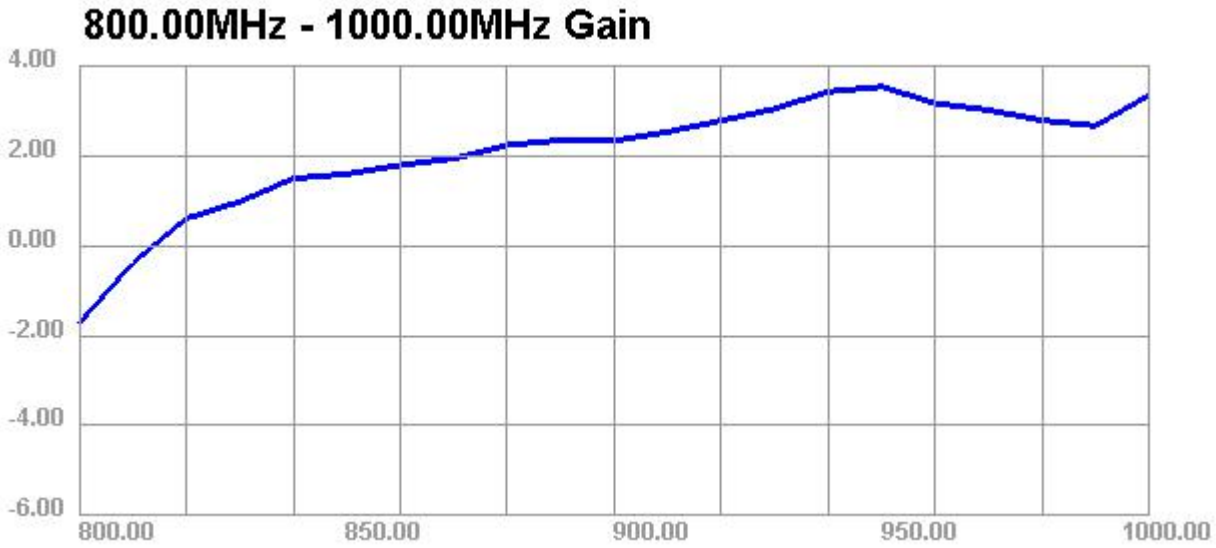
Category	Materials	Coated
Body	Brass	Plated
Pin contact	Brass	Gold plated
Socket contact	Beryllium-copper	Gold plated
Resilient contact	Beryllium-copper	Gold plated
Insulator	PTFE	---
0-ring sealing	6146 silicone rubber	---

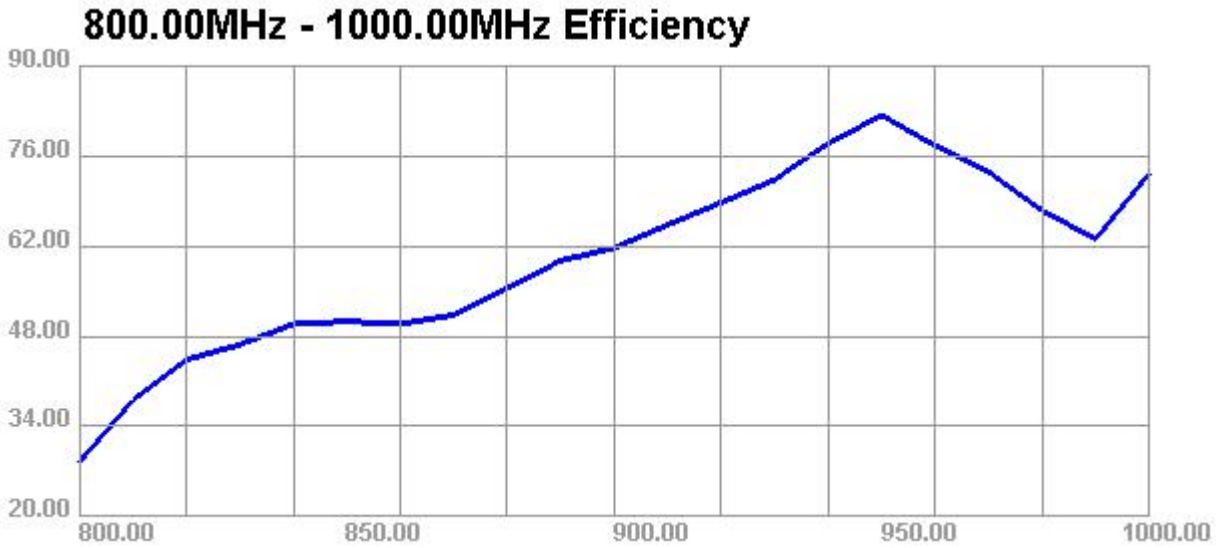
APPLICABLE STANDARD：

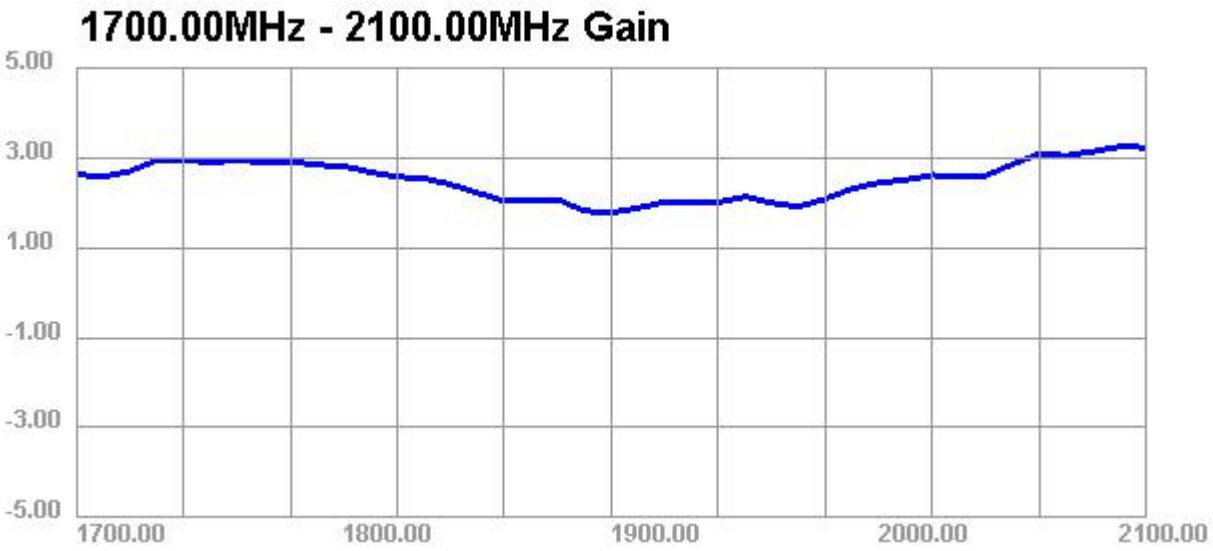
MIL-C-39012

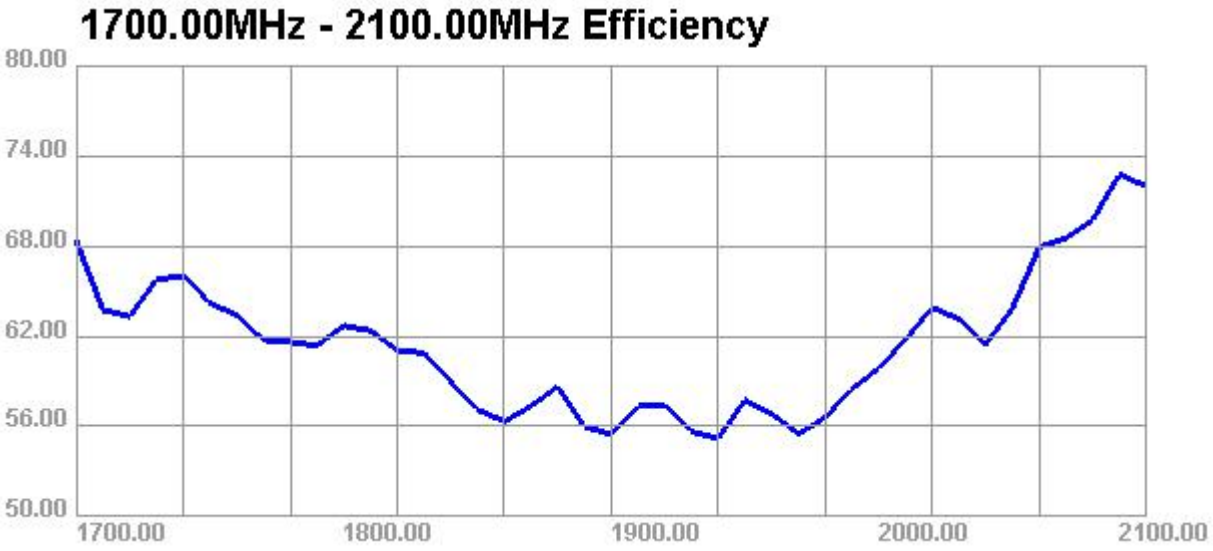
CECC 22120

IEC-60169-15

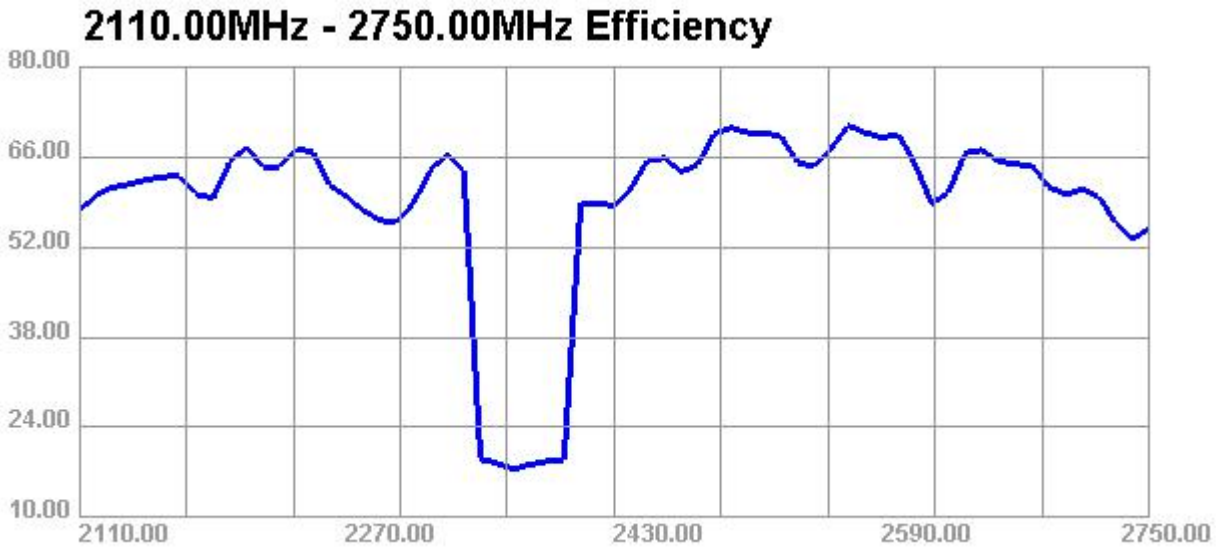

800.00MHz - 1000.00MHz Gain
4.00
2.00
0.00
-2.00
-4.00
-6.00
800.00
850.00
900.00
950.00
1000.00


800.00MHz - 1000.00MHz Efficiency
90.00
76.00
62.00
48.00
34.00
20.00
800.00
850.00
900.00
950.00
1000.00

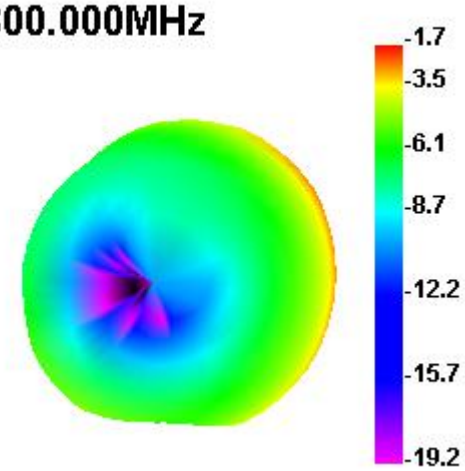

1700.00MHz - 2100.00MHz Gain
5.00
3.00
1.00
-1.00
-3.00
-5.00
1700.00
1800.00
1900.00
2000.00
2100.00


1700.00MHz - 2100.00MHz Efficiency
80.00
74.00
68.00
62.00
56.00
50.00
1700.00
1800.00
1900.00
2000.00
2100.00

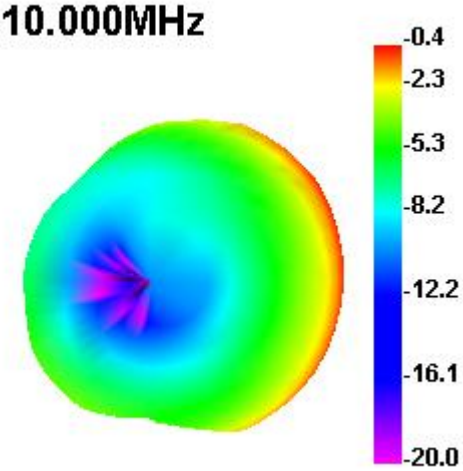

2110.00MHz - 2750.00MHz Gain
3.00
1.00
-1.00
-3.00
-5.00
-7.00
2110.00
2270.00
2430.00
2590.00
2750.00


2110.00MHz - 2750.00MHz Efficiency
80.00
66.00
52.00
38.00
24.00
10.00
2110.00
2270.00
2430.00
2590.00
2750.00

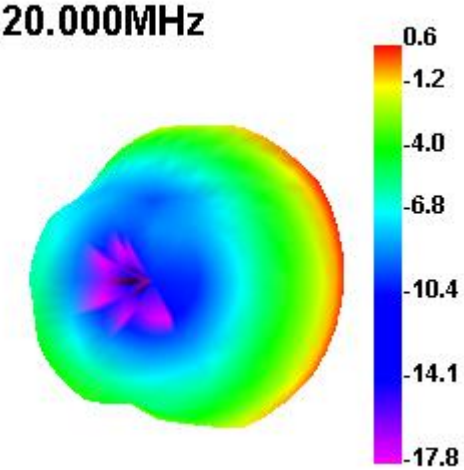
800.000MHz



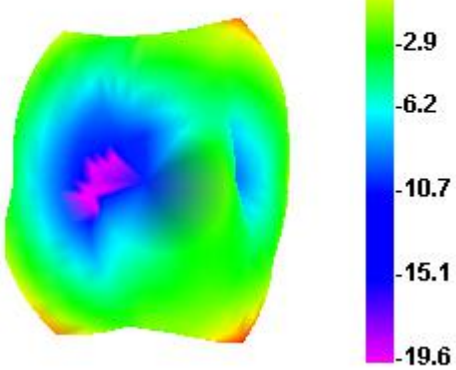
810.000MHz



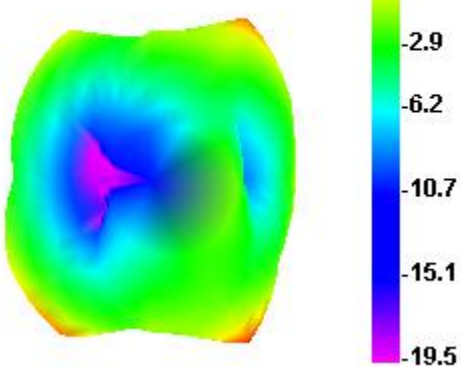
820.000MHz



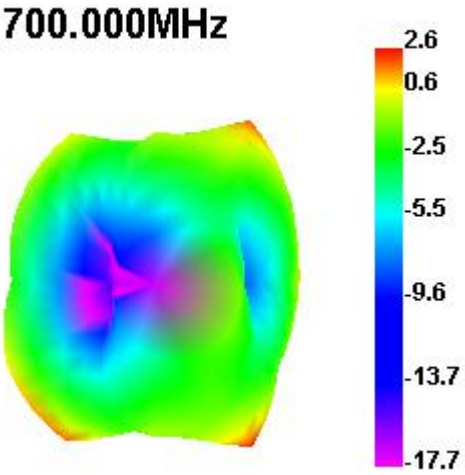
1720.000MHz



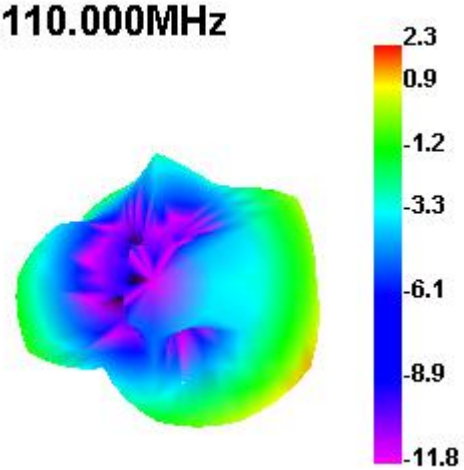
1710.000MHz



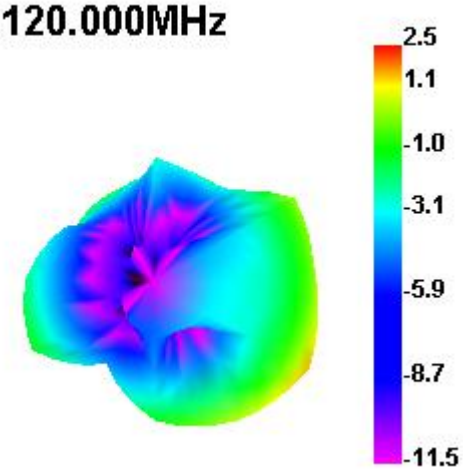
1700.000MHz



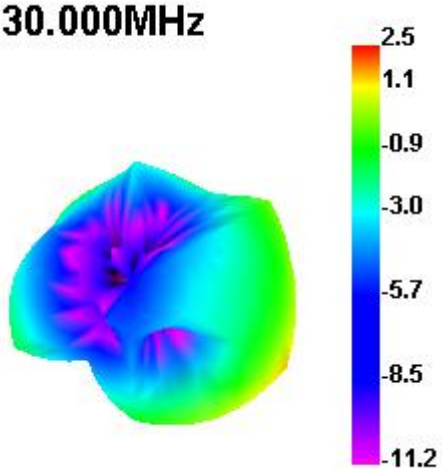
2110.000MHz



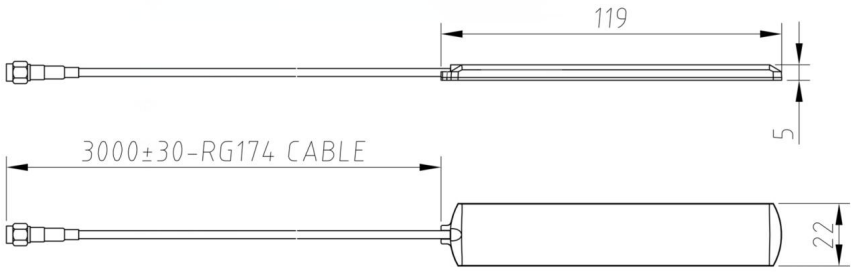
2120.000MHz



2130.000MHz



Drawing and outline



CONNECTOR:SMA-J