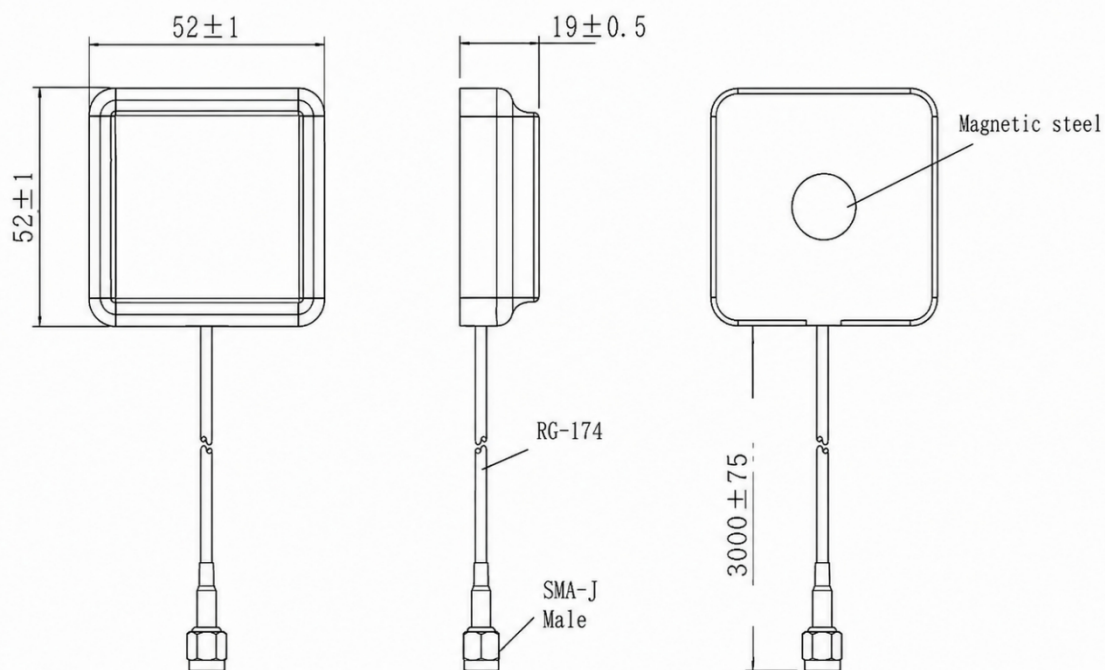
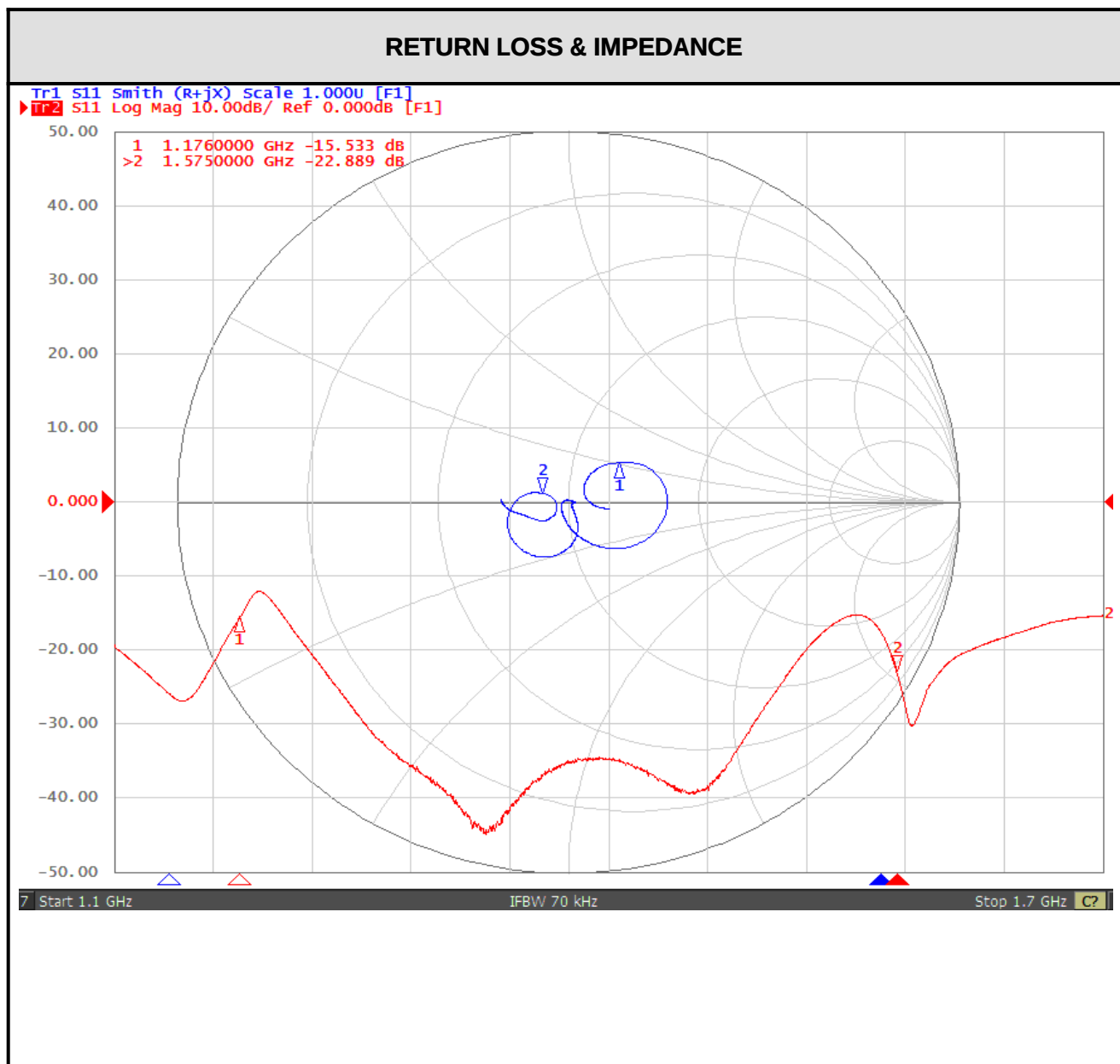


RAT-105 Specifications

ELECTRICAL SPECIFICATIONS			
ANTENNA			
	Frequency Range	B1I,B1c,L1c	B1a,L5
1	Band With	1575.42±16.368MHz	1176.45±10.23MHz
2	Return Loss@Fo	<-10dB	<-10dB
3	Band With@RL=-10dB	>5MHz	>5MHz
4	Peak Gain@Zenith	3.0dBic	2.5dBic
5	Impedance	50 Ω	
6	Polarization	RHCP	
LNA			
7	Frequency Range	L1,B1,E1;L5,B2a,E5a,B2b,L2	
8	DC Voltage	3.3V(typ)	
9	DC current	<16mA	
10	Noise Figure	Typical:1.0dB	
11	LNA Gain	L1/B1: 29dB±2dB	L5/B2a: 27dB±2dB
12	VSWR	<2.0	
13	Operating Temp	-20℃~80℃ 10%~95%RH	
14	Storage Temp	-25℃~85℃ 10%~95%RH	
15	Humidity	95% RH Non-condensing @ 65℃	

DIMENSIONS

Tolerance: $\pm 0.3\text{mm}$
Unit: mm



LNA CHARACTERISTICS

► S41 Log Mag 10.00dB/ Ref 0.000dB [F2 Smo]

