

Japan LTE & GPS Passive Antenna

MODEL: TH-81E



1.. GENERAL DESCRIPTION

Model No	P/N
TH-81E	TH81E-SMA(M)

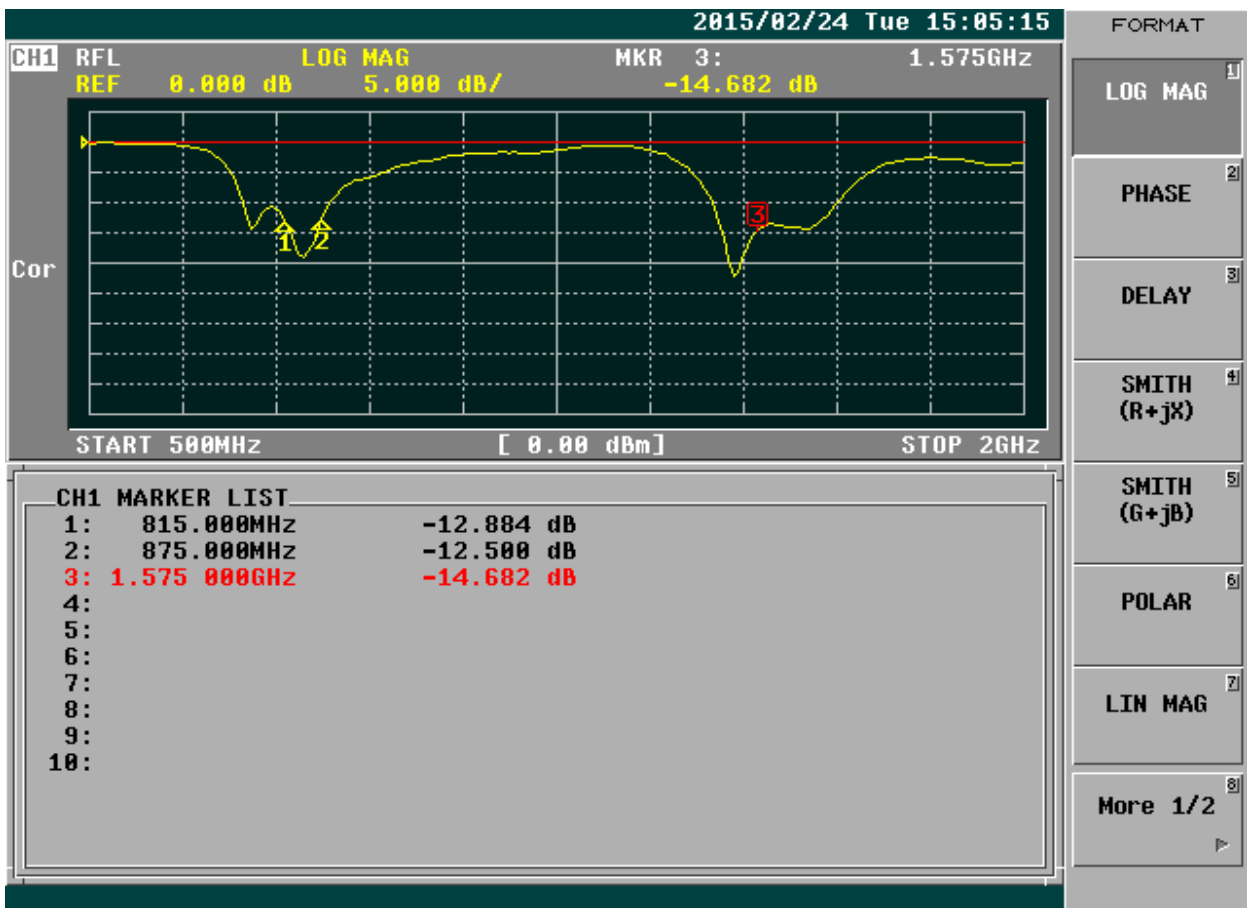
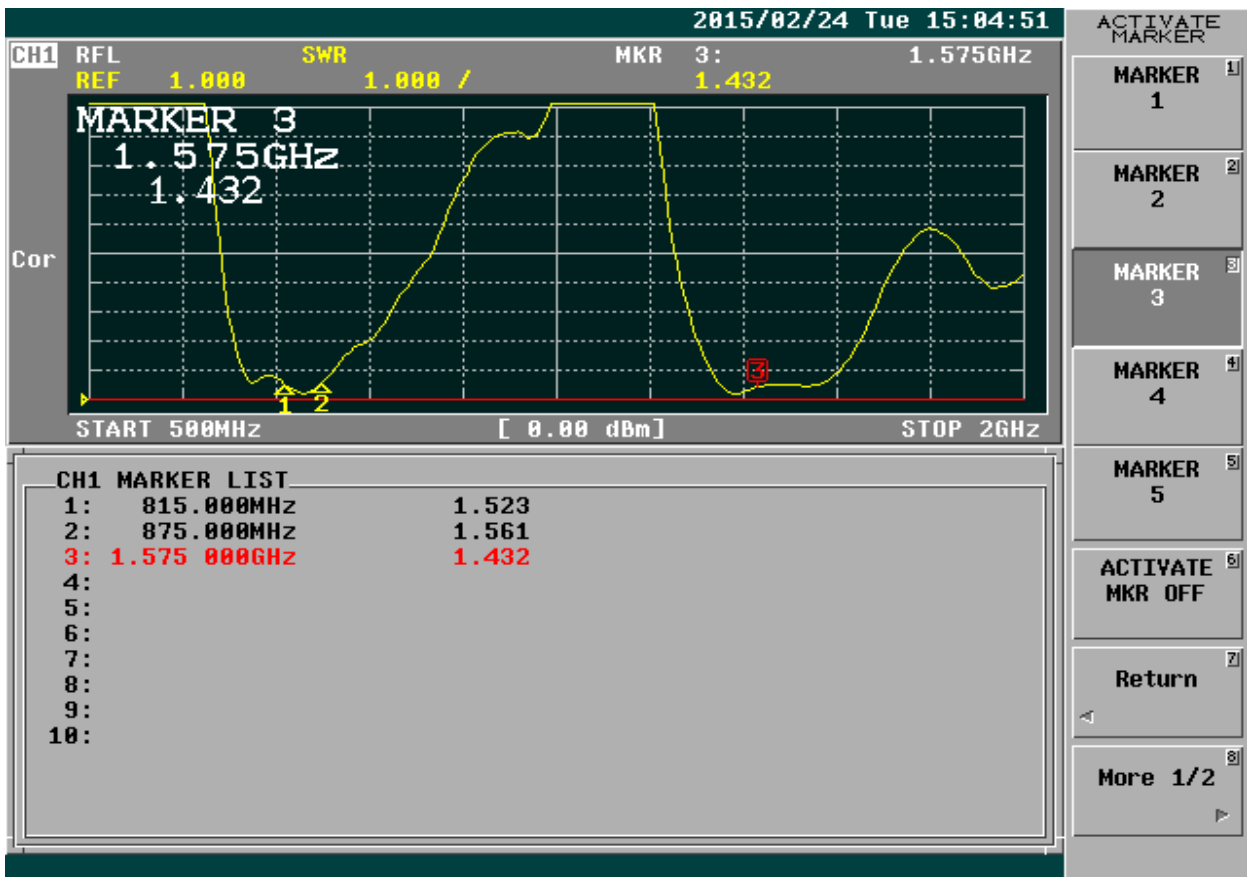
Below is a table summarizing the antenna design specification.

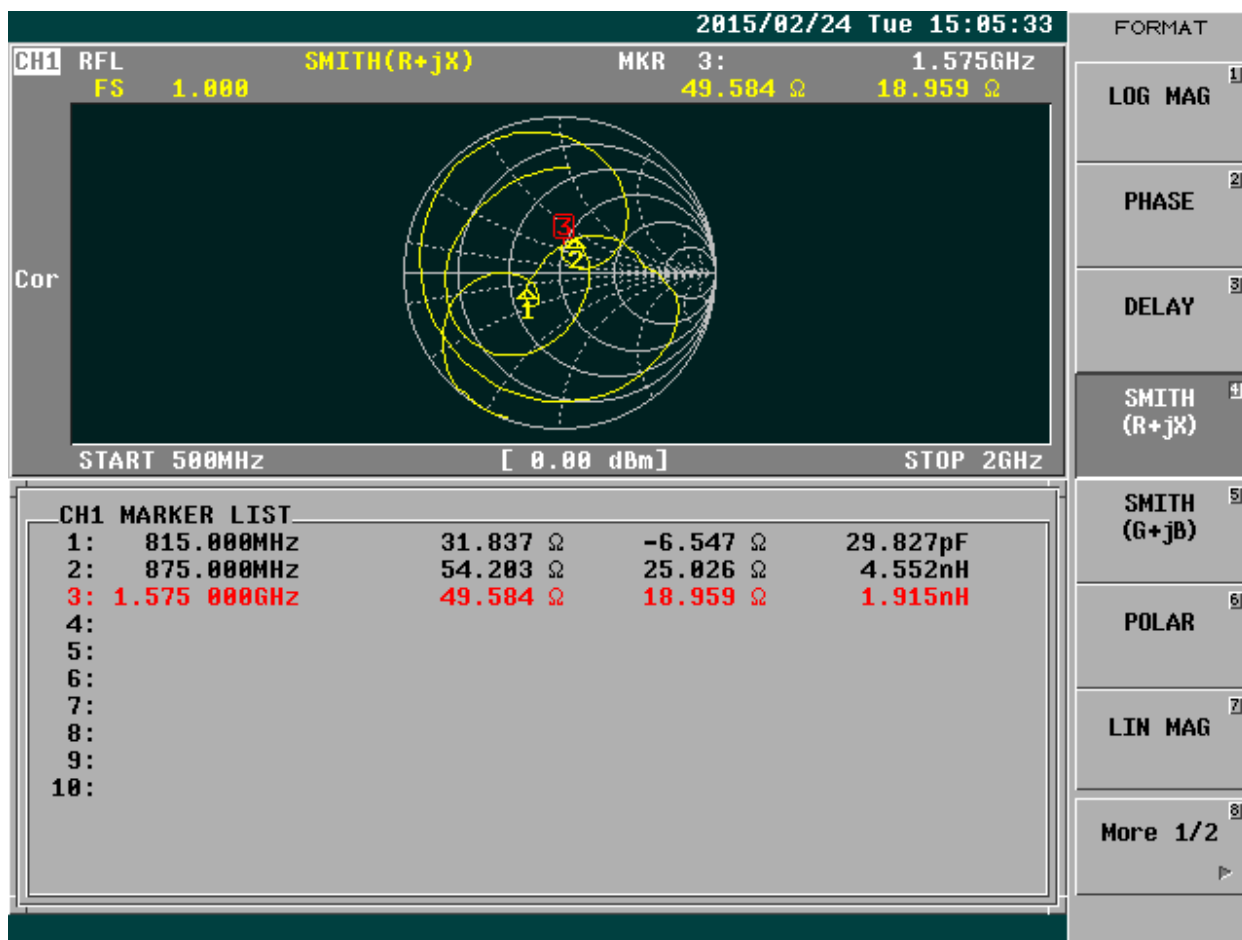
1.1 Electrical Properties

Parameter	Description
Frequency Band	815~875 & 1575MHz RX : 860.0MHz ~ 875.0MHz TX : 815.0MHz~ 830.0MHz ON Customer Machine GND
Nominal Impedance	50 ohm
Polarization	Vertical
Electrical Wave	1 /4 λ
Admitted Power radiation	1W
V.S.W.R	2.5:1 Max
Antenna Peak Gain	2 dB Typ.
Note: Gain includes the cable loss	

1.2 Mechanical Properties

Parameter	Description
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Frequency (MHz)	815	830	860	875	1575
Average Gain (dB)	-1.6	-1.65	-1.63	-1.78	-1.53
Peak Gain (dBi)	2.06	1.94	2.02	1.74	2.86
Efficiency (%)	69.16	68.36	68.71	66.33	70.22

