

DOME ANTENNA

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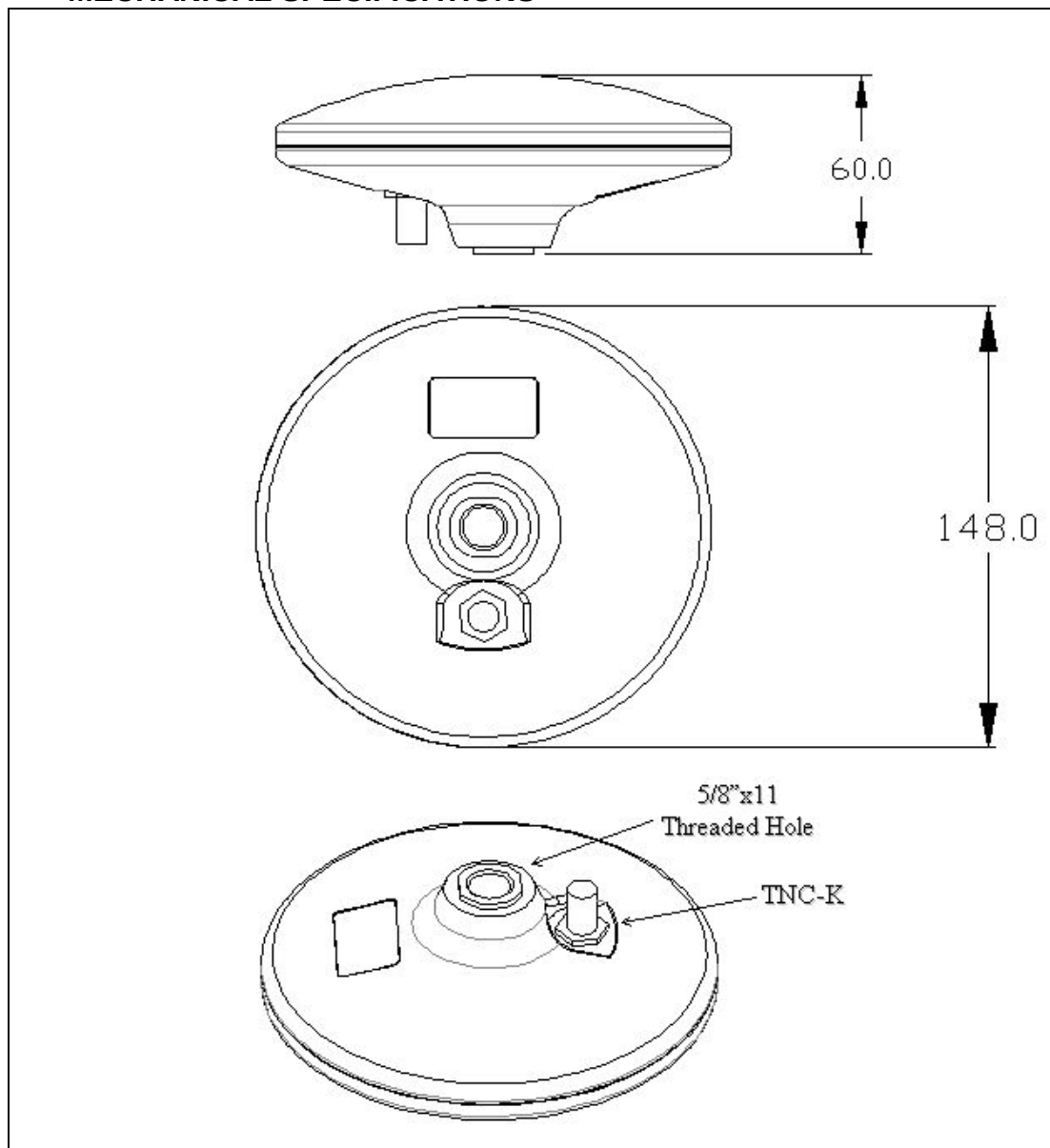
RDT-14860

SPECIFICATIONS

ANTENNA		
PARAMETER		VALUE
Frequency Ranges	GPS: 1575.42 MHz / 1227.60 MHz / 1176.45 MHz	
	GLONASS: 1598~1605 MHz / 1242~1248 MHz	
	BeiDou: 1575.42 MHz / 1278.75 MHz / 1191.795 MHz	
Output VSWR, max		1.5
Impedance		50 Ω
Peak Gain	Zenith	4.5 dBic
	20° Elevation	-4.0 dBic
Phase Center, Maximum		2 mm
Axial Ratio	Zenith	≤ 2.0
	20° Elevation	≤ 4.0
Front to Rear Ratio		≥ 20 dB
Polarization		RHCP
Connector Type		TNC-K

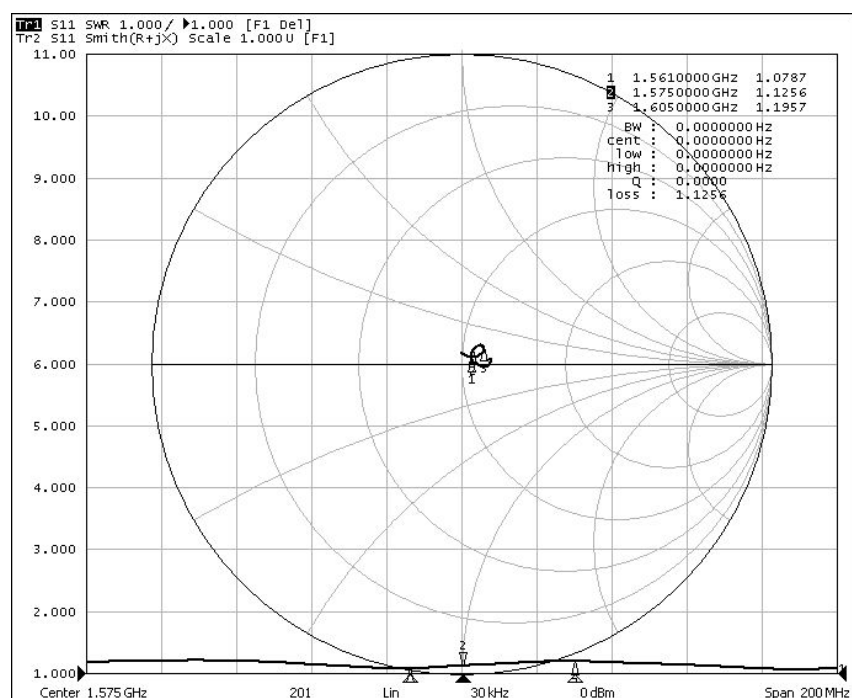
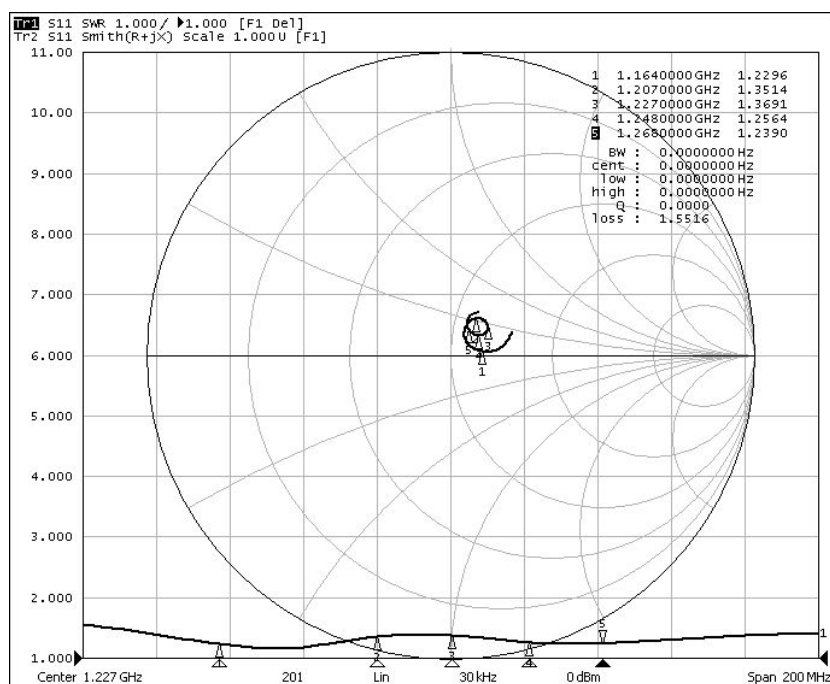
LNA		
PARAMETER		VALUE
Frequency Ranges	GPS: 1575.42 MHz / 1227.60 MHz / 1176.45 MHz	
	GLONASS: 1598~1605 MHz / 1242~1248 MHz	
	BeiDou: 1575.42 MHz / 1278.75 MHz / 1191.795 MHz	
DC Voltage		3.3 to 9.0 V
DC Current, max		45 mA
LNA Gain		38 $\pm$ 3 dB
Noise Figure, max		1.5 dB
Out Band Rejection	F _H + 100 MHz	≥ 35 dB
	F _L - 100 MHz	≥ 35 dB
Output VSWR, max		2.0

■ **MECHANICAL SPECIFICATIONS**

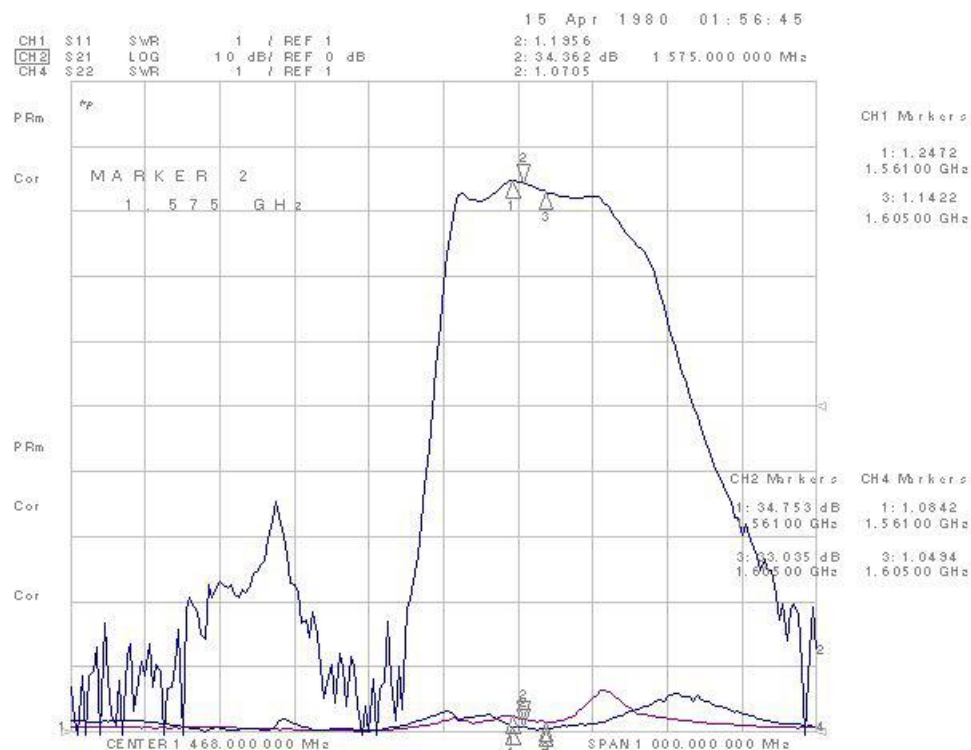
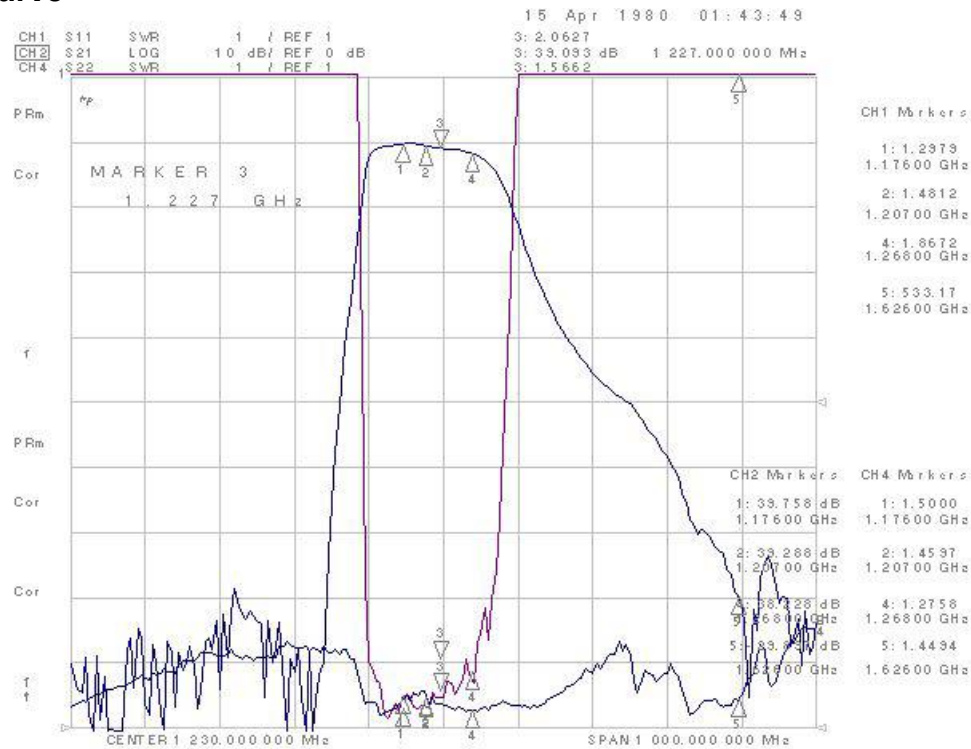


Frequency Characteristics

Patch Test Curve



LNA Test Curve



■ **ENVIRONMENTAL SPECIFICATIONS**

PARAMETER	VALUE
Operating Temperature Range	-40 to +80°C
Storage Temperature Range	-40 to +85°C
ESD Protection	Observe ESD precautions when handling

May, 2016