



CHINMORE INDUSTRY CO.,LTD

Specification

(1) Combined Antenna for GNSS and LTE(R39 series)

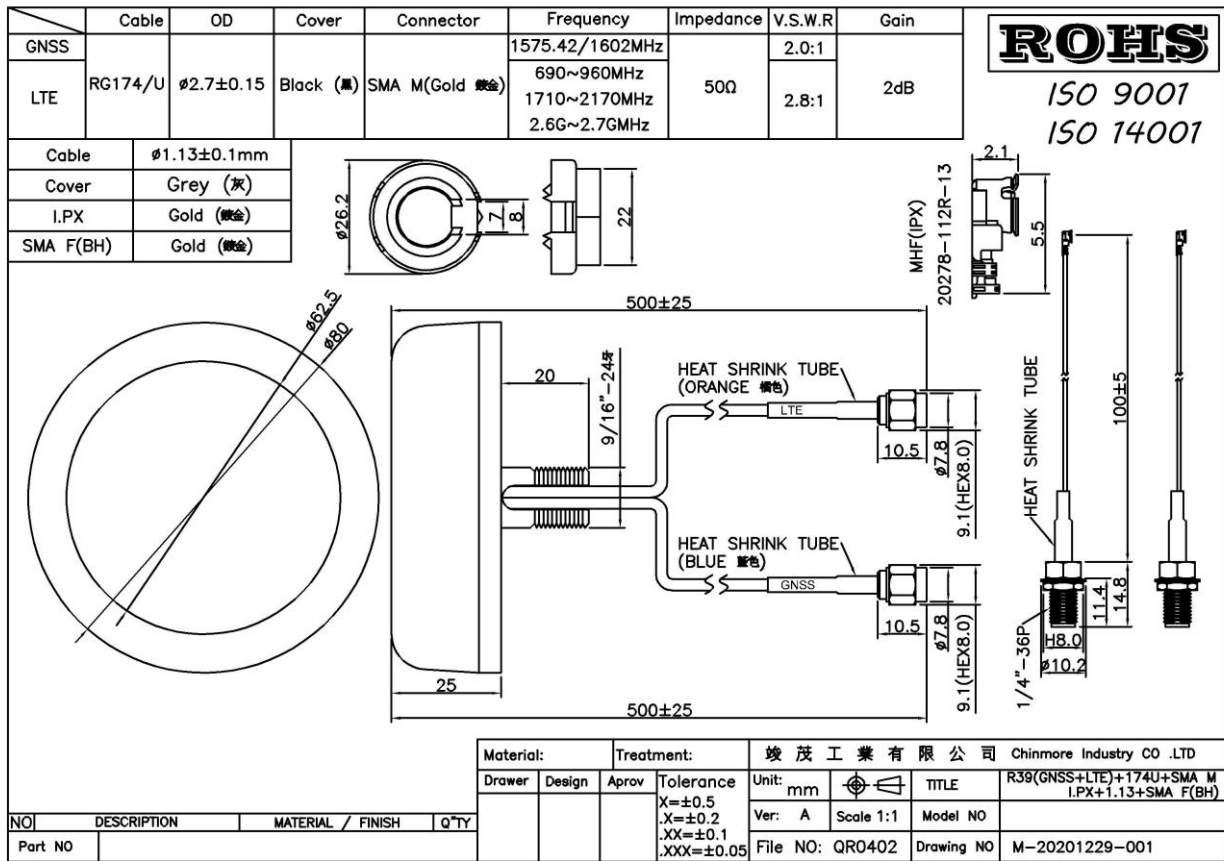
1. Frequency for GNSS: 1575.42 /1602MHz
2. Frequency for 4G/LTE: 700~2700 MHz
3. V.S.W.R : 2.0:1
4. Gain for GNSS: 30dBi
5. Gain for 4G/LTE: 0dBi
6. Cable: RG174 500mm
7. Connector: SMA M

(2) Mini Coaxial Cable with RF Connector

1. MHF (I.PX)
2. SMA F Bulkhead
3. Cable Ø1.13 100mm (Gray)

✘RoHS Compliant

✘ISO 9001 & ISO 14001

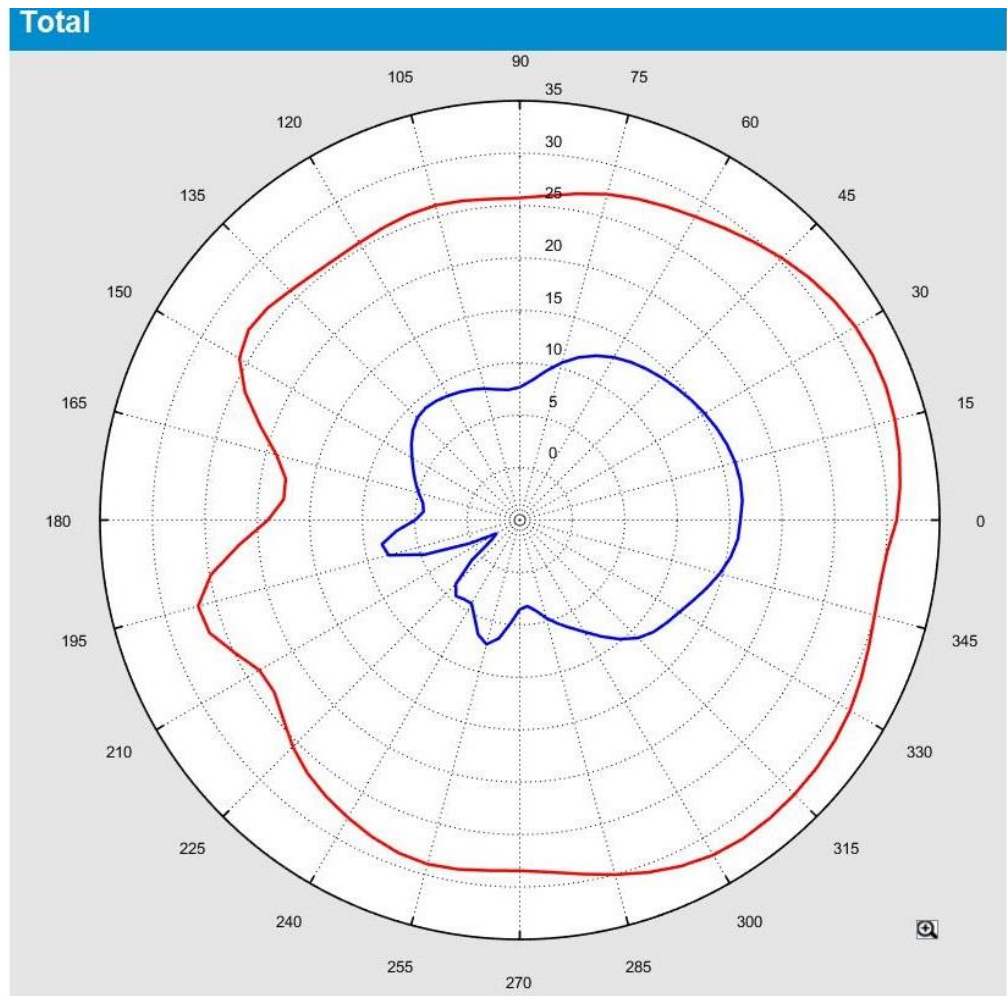


(1) Test report for R39 series Antenna

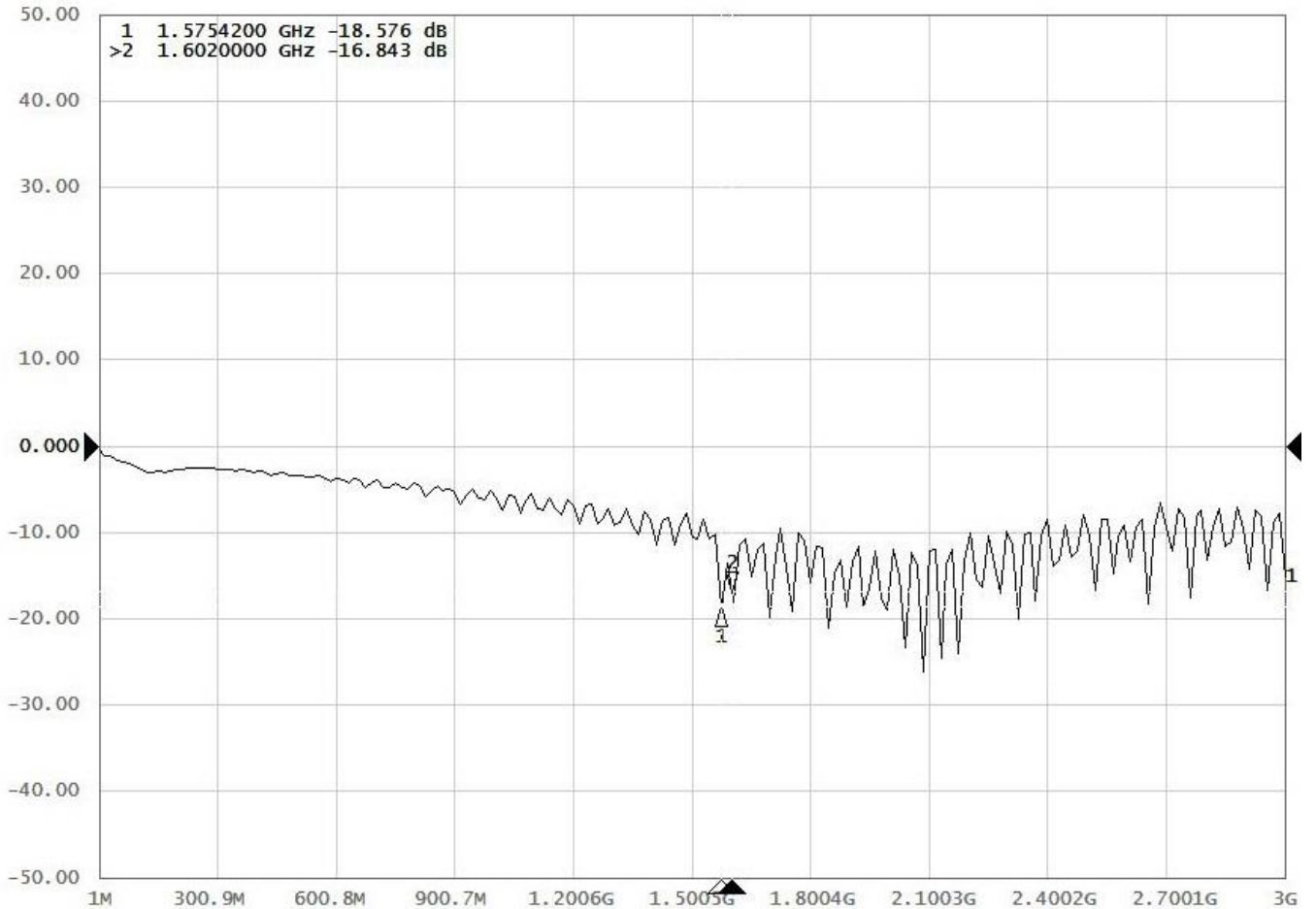
ELECTRICAL

Frequency (MHz)	Return Loss (dB)	V.S.W.R	Efficiency (%)	Gain (dBi)
1575.42	-18.57	1.27	-----	32.42
1602	-16.84	1.34	-----	17.51
700	-12.14	1.72	43.45	0.53
824	-10.87	1.81	36.31	0.83
960	-12.97	1.56	36.56	1.92
1710	-13.55	1.52	68.55	6.61
1880	-17.96	1.32	64.86	7.79
2170	-16.90	1.35	52.97	6.75
2500	-17.08	1.42	53.21	5.67
2700	-10.59	1.85	51.29	5.75

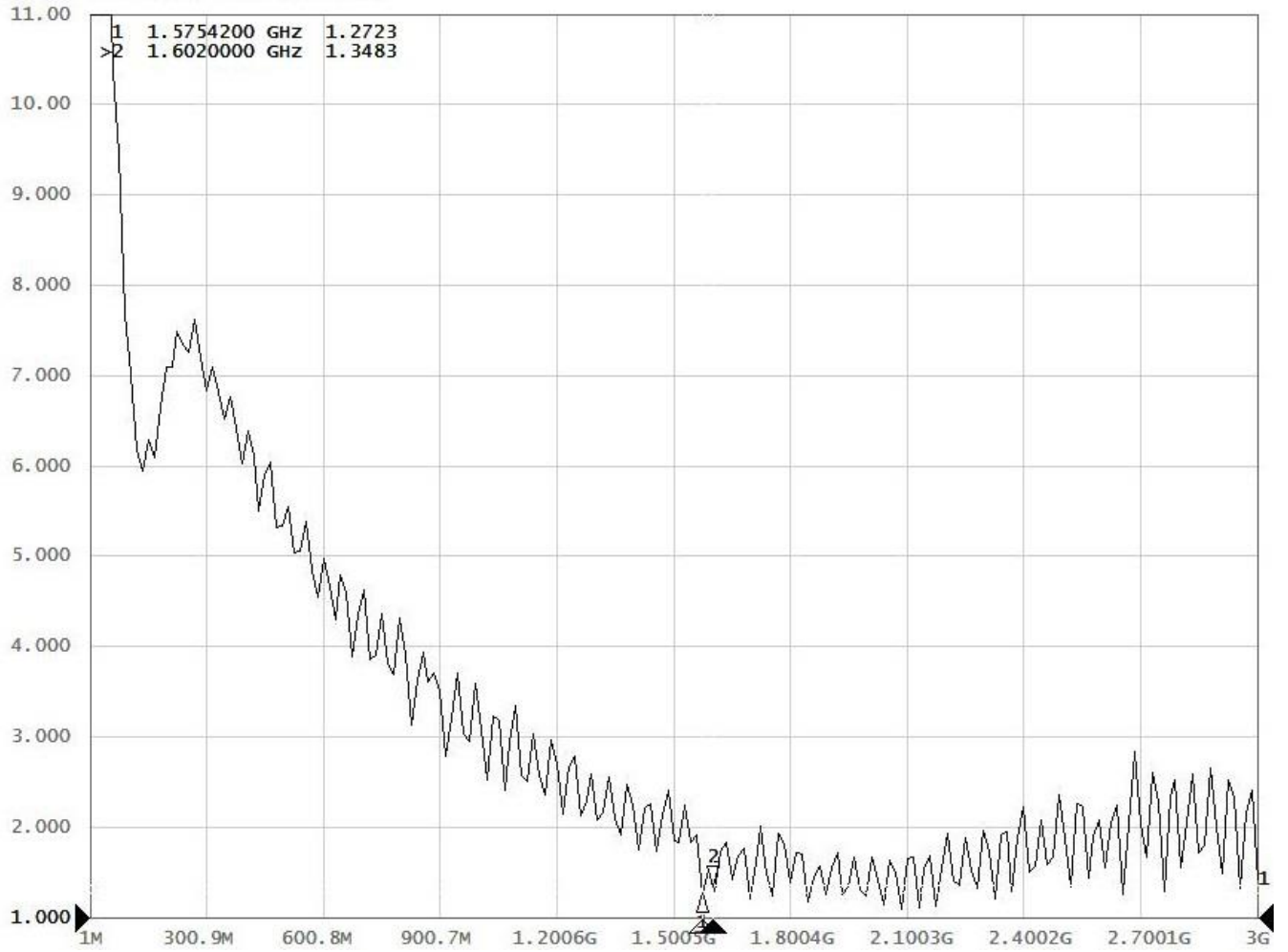
Test Data(GPS+GLONASS)



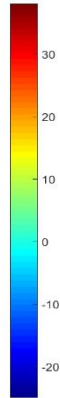
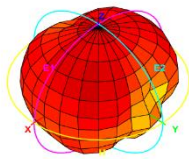
Tr1 S11 Log Mag 10.00dB/ Ref 0.000dB [RO]



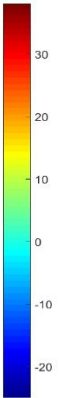
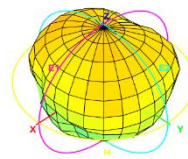
Tr1 S11 SWR 1.000/ Ref 1.000 [RO]



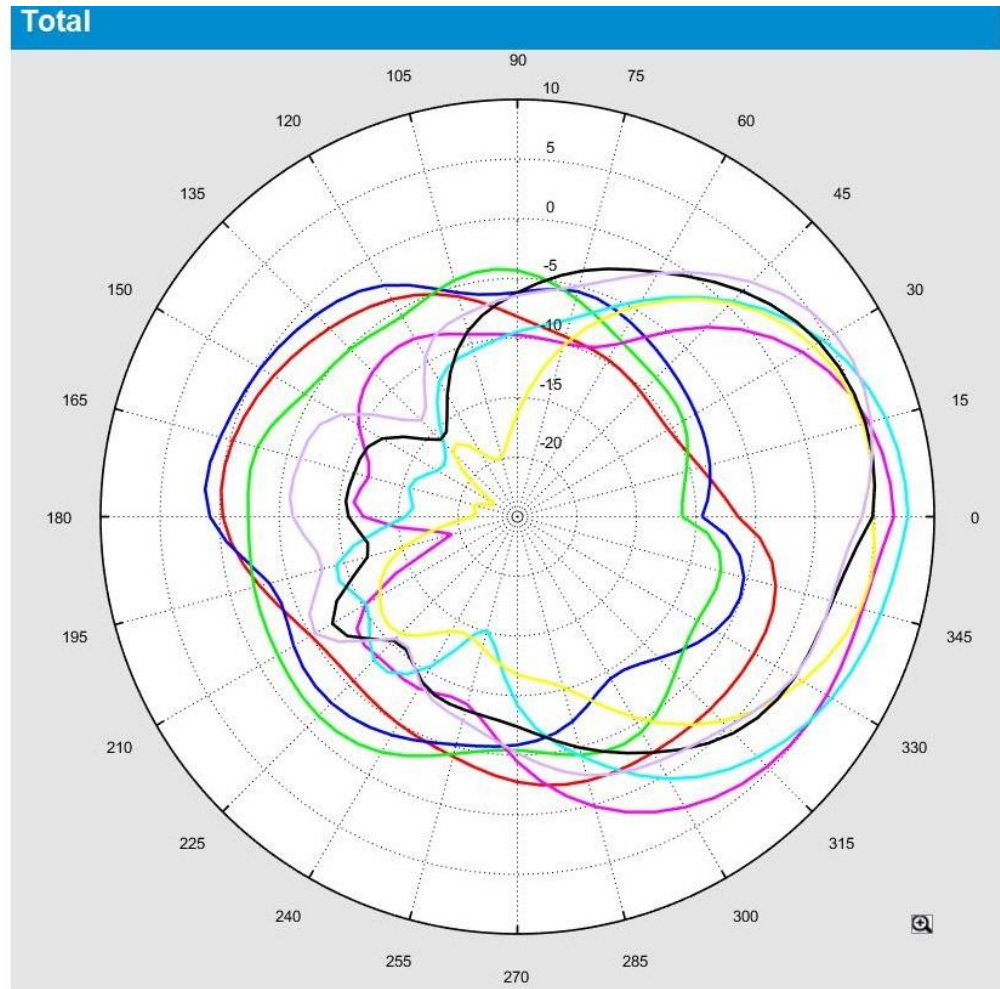
Total_3D_Side View 1_1.57542GHz



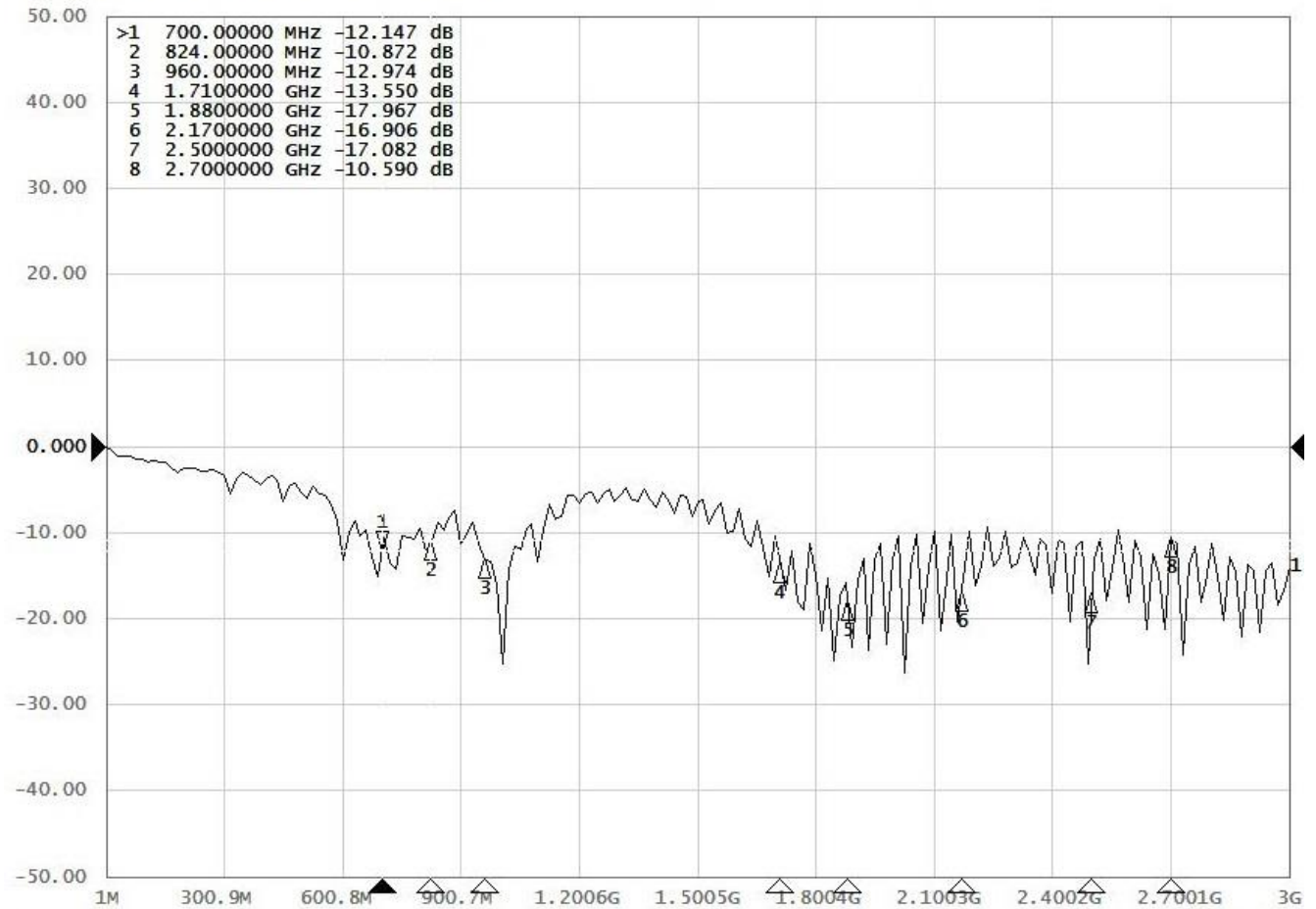
Total_3D_Side View 1_1.602GHz



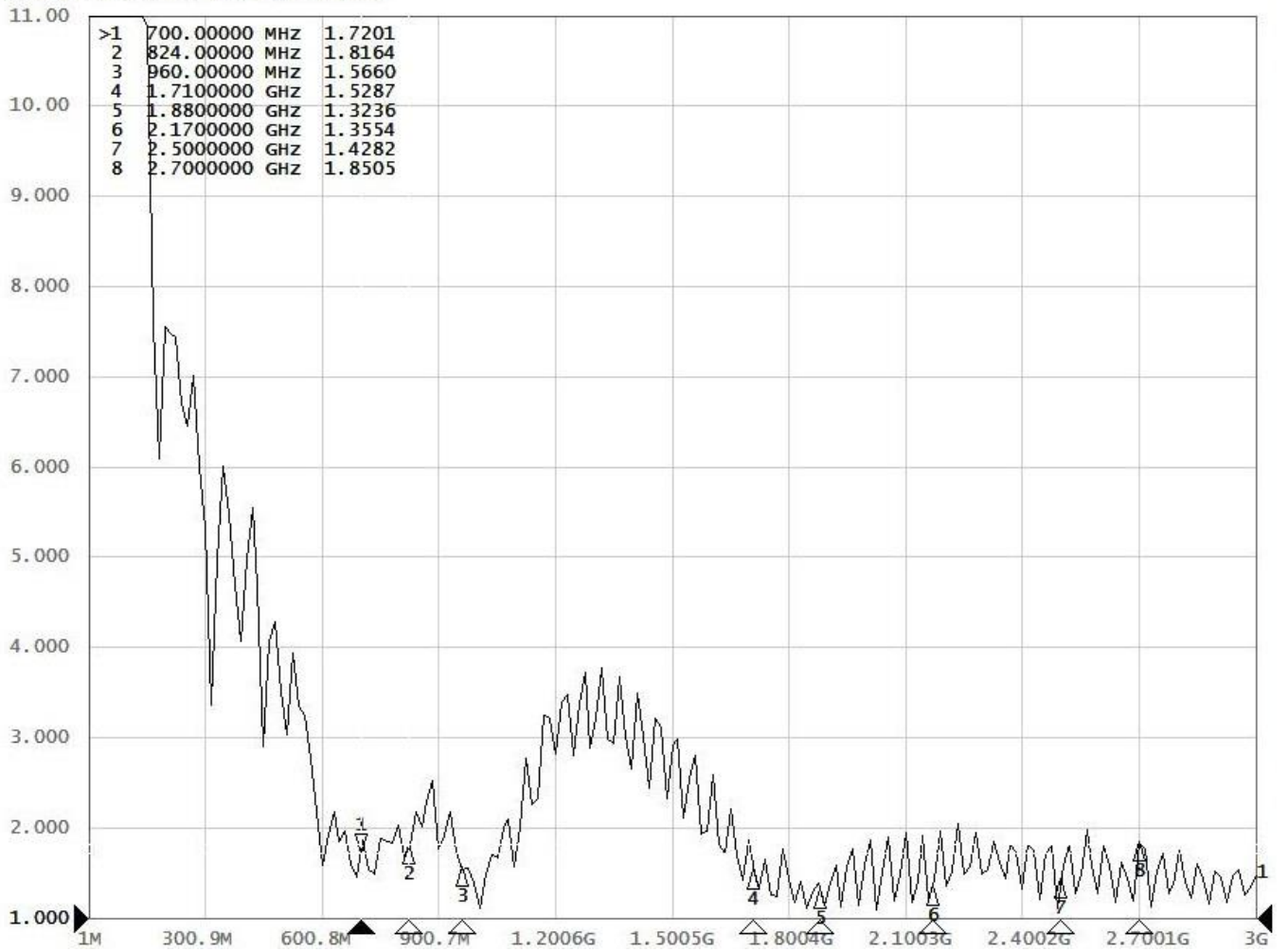
Test Data(LTE)



Tr1 S11 Log Mag 10.00dB/ Ref 0.000dB [RO]



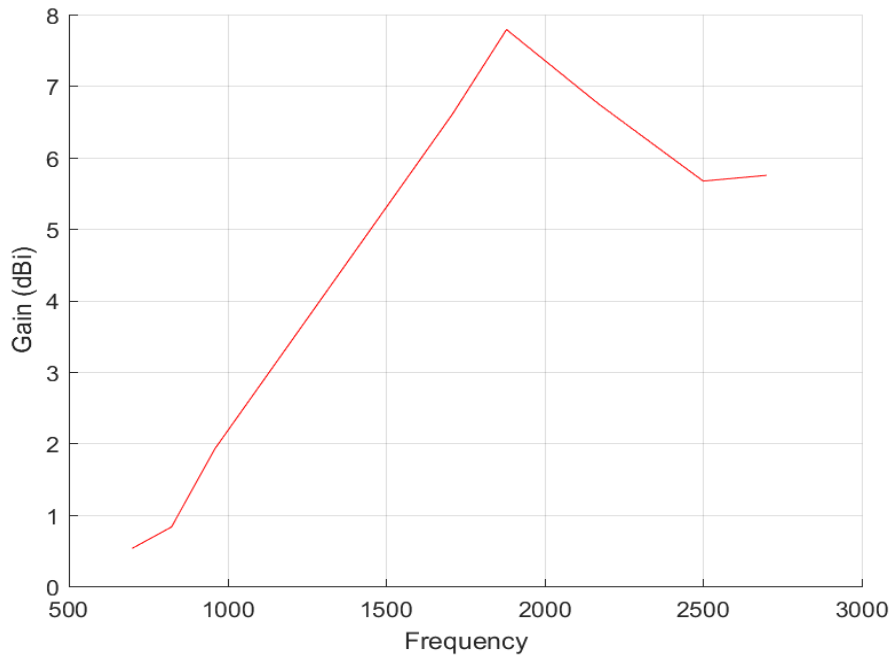
S11 SWR 1.000/ Ref 1.000 [RO]



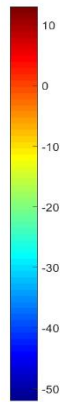
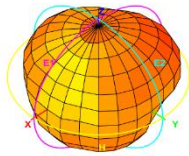
Total_Efficiency (%)



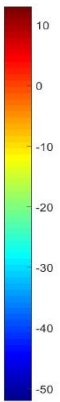
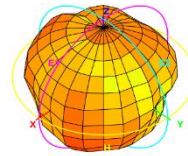
Total_Gain (dBi)



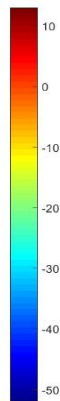
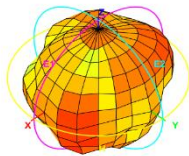
Total_3D_Side View 1_700MHz



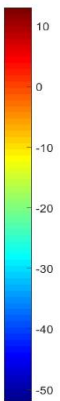
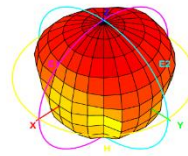
Total_3D_Side View 1_824MHz



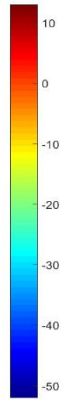
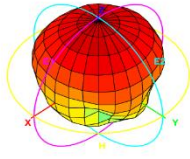
Total_3D_Side View 1_960MHz



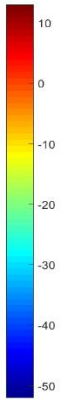
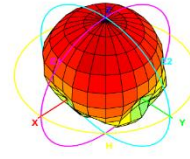
Total_3D_Side View 1_1.71GHz



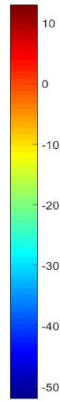
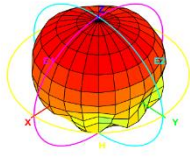
Total_3D_Side View 1_1.88GHz



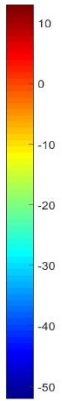
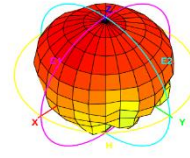
Total_3D_Side View 1_2.17GHz



Total_3D_Side View 1_2.5GHz



Total_3D_Side View 1_2.7GHz



Test report for Mini Coaxial Cable RF Connector (I.PX Ø1.13 100mm SMA F(BH))

Frequency (MHz)	VSWR	Insertion Loss (dB)
600 MHz	1.06	-0.48
1000 MHz	1.09	-0.64
1500 MHz	1.12	-0.78
1800 MHz	1.14	-0.89
2000 MHz	1.25	-0.97
2100 MHz	1.27	-0.97
2400 MHz	1.18	-1.08
2700 MHz	1.46	-1.21
3000 MHz	1.21	-1.21

Test Report

