

Specification

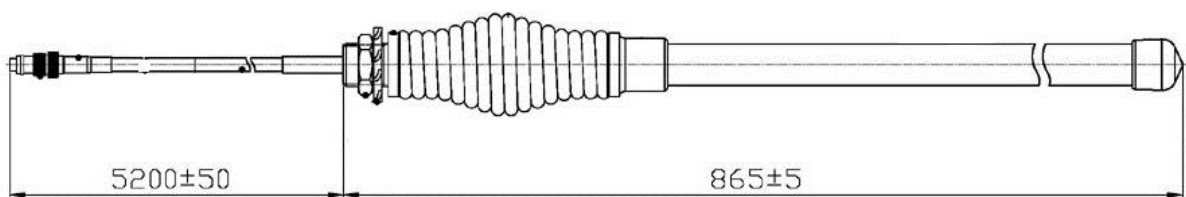
1.1 Product Type: OMNI ANTENNA

1.2 Product's No: YG-21B

1.3 Product's Photo:



2.1 Technical Drawing:





Electrical Properties

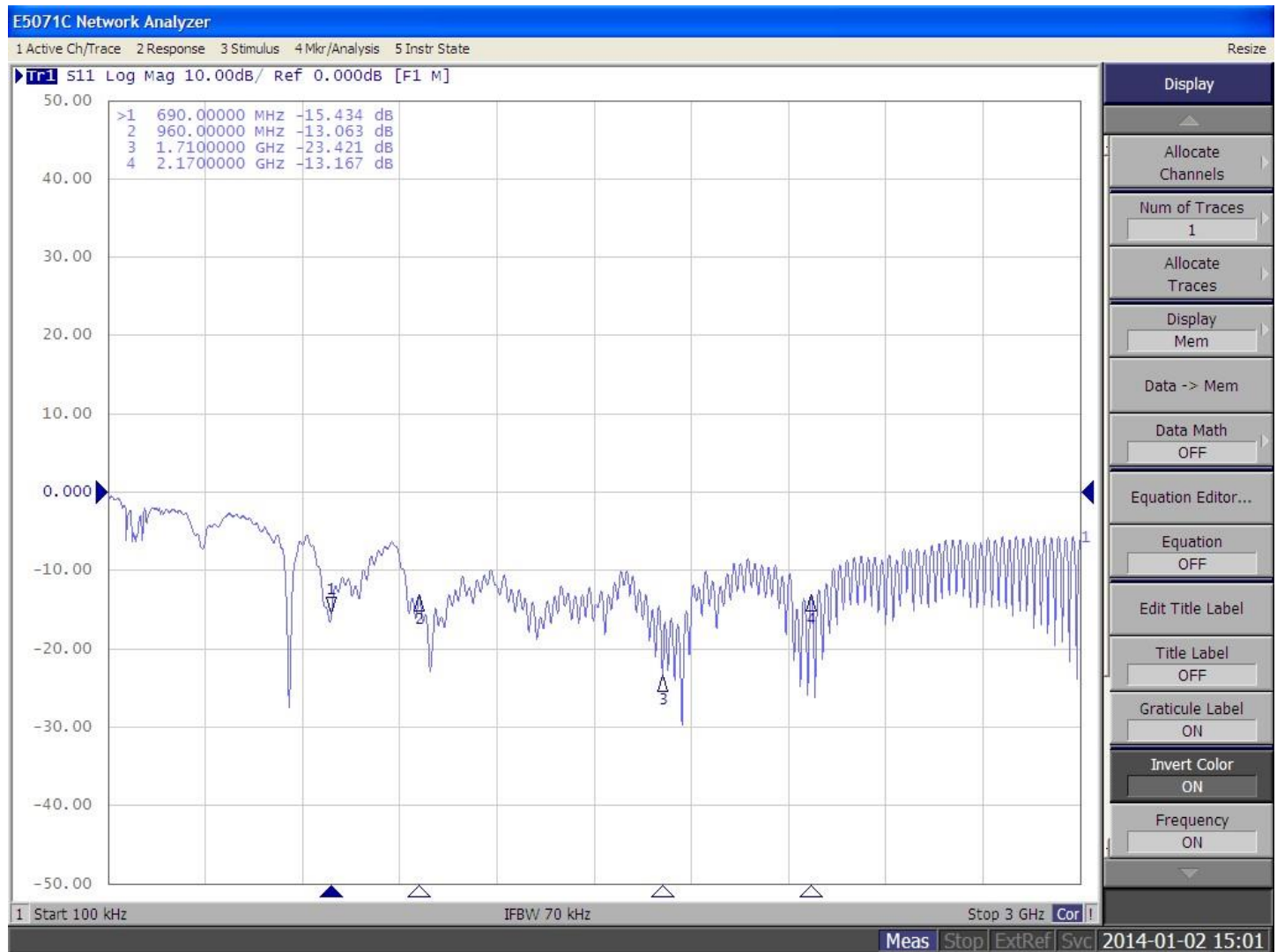
Parameter	Description
Frequency	690~960/1710~2170
Impedance	50 Ω
Polarization	Vertical
VSWR	2.0:1
Cable OD	$\text{\O}4.95\pm0.1\text{mm}$

Mechanical Properties

Parameter	Description
Antenna Cover	Fiber
Connector	FME F
Cable	Low Loss-RG58U 5200mm \pm 50
Antenna Dimension	865mm \pm 50

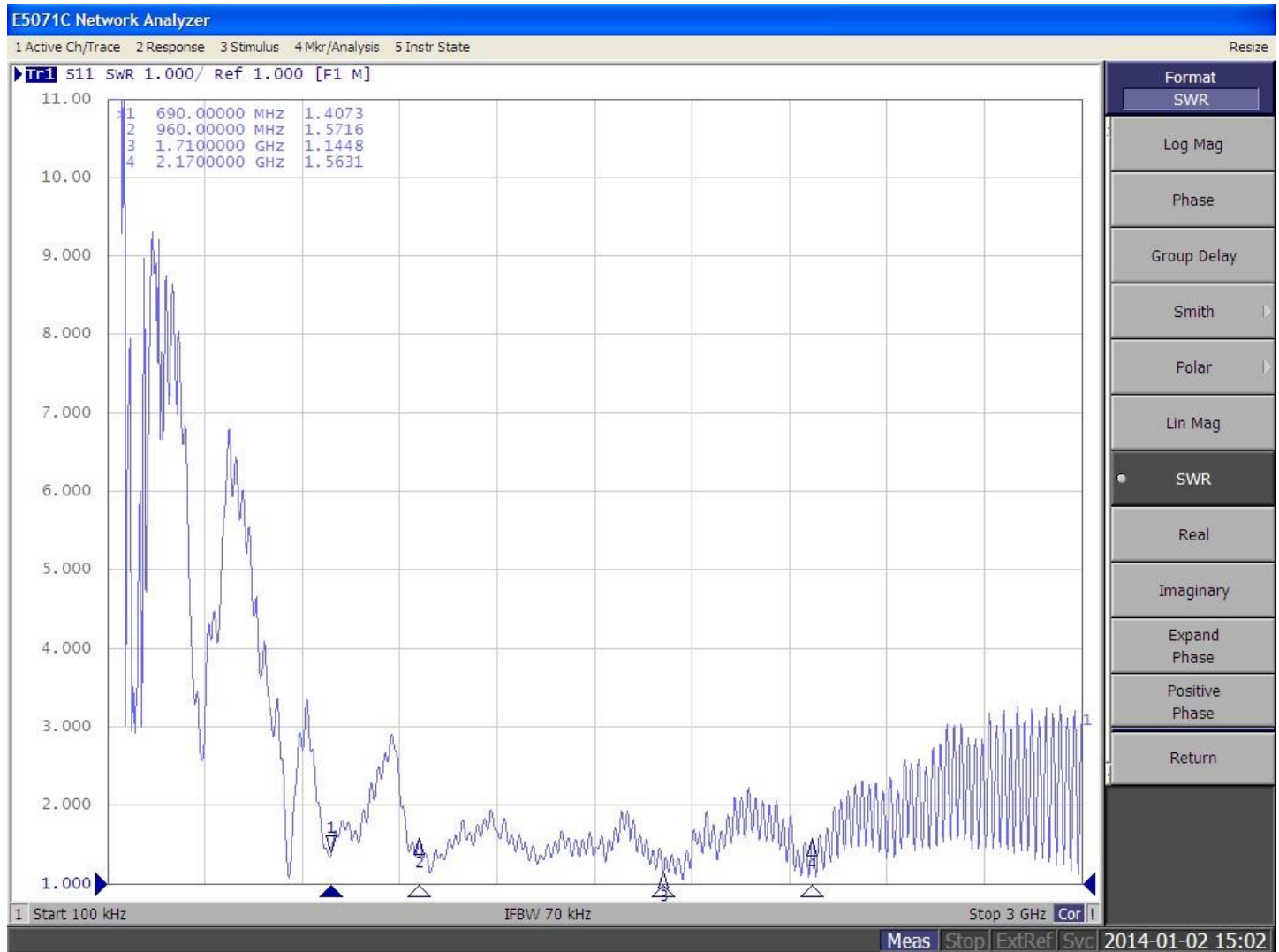
3.1 Test Report:

Return Loss

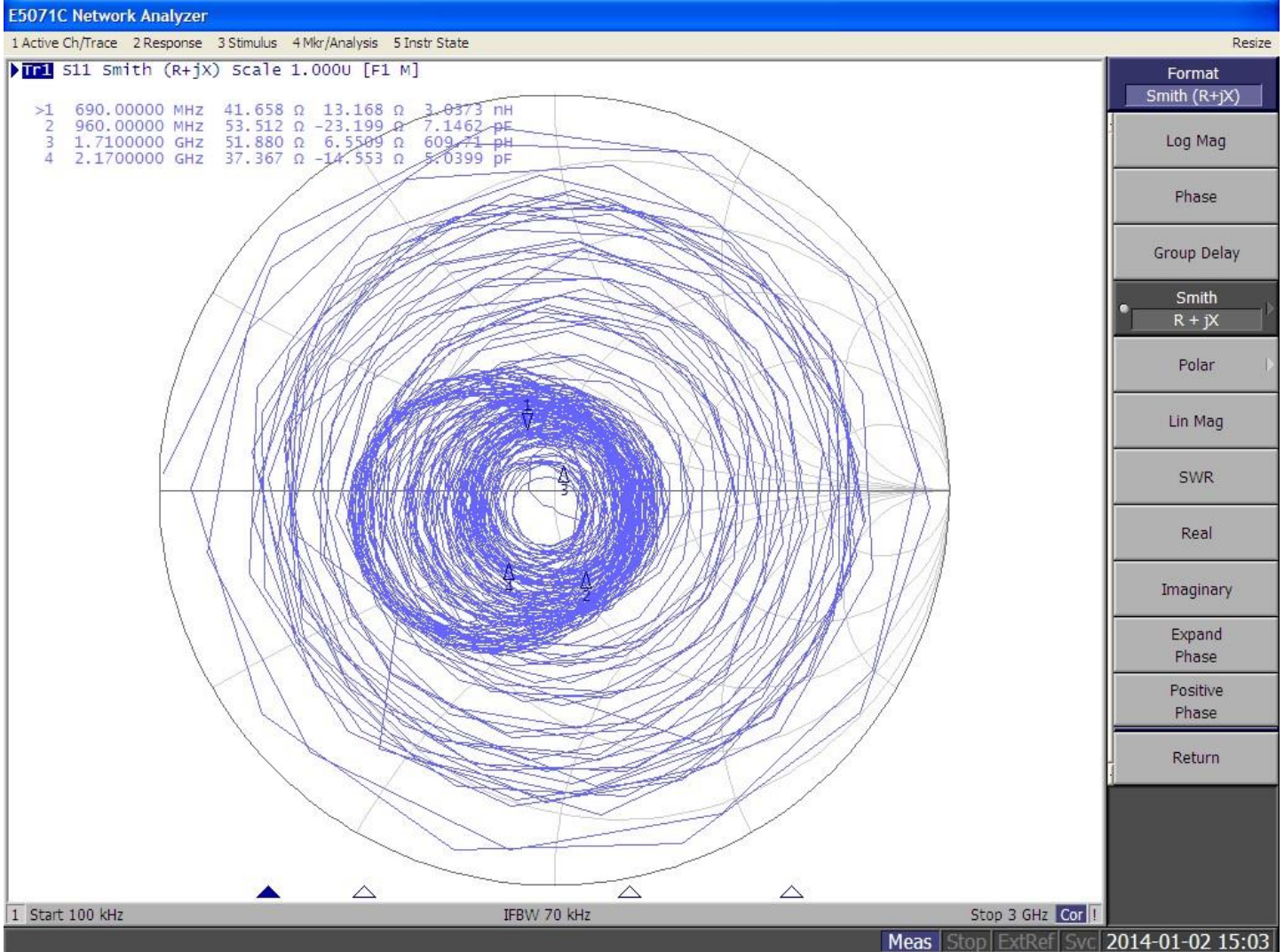


Frequency	690 MHz	960 MHz	1710 MHz	2170 MHz
Return Loss	-15.43 dB	-13.06 dB	-23.42 dB	-13.16 dB

VSWR



Frequency	690 MHz	960 MHz	1710 MHz	2170 MHz
Gain	1.40	1.57	1.14	1.56





3D TEST Field Value

Frequency (MHz)	700	824	850	900	960	1710	1880	1990	2170
Point Values									
Ant. Port Input Pwr. (dBm)	0	0	0	0	0	0	0	0	0
Tot. Rad. Pwr. (dBm)	-0.478312	-2.23716	-2.69274	-3.29866	-3.4338	-4.85443	-3.01615	-2.34871	-4.62784
Peak EIRP (dBm)	1.84714	0.52329	0.74111	1.23819	0.560372	1.4155	0.655641	0.040296	-1.83196
Directivity (dBi)	2.32545	2.76045	3.43385	4.53685	3.99417	6.26993	3.67179	2.38901	2.79588
Efficiency (dB)	-0.478312	-2.23716	-2.69274	-3.29866	-3.4338	-4.85443	-3.01615	-2.34871	-4.62784
Efficiency (%)	89.5713	59.7426	53.793	46.7879	45.3544	32.7007	49.9327	58.2276	34.4521