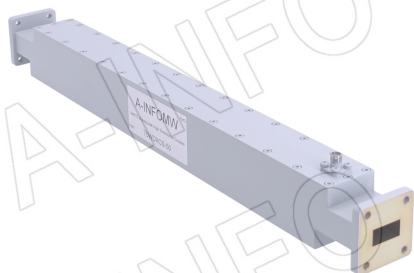


For reference only. See data sheet for the detailed specifications.

Technical Specification

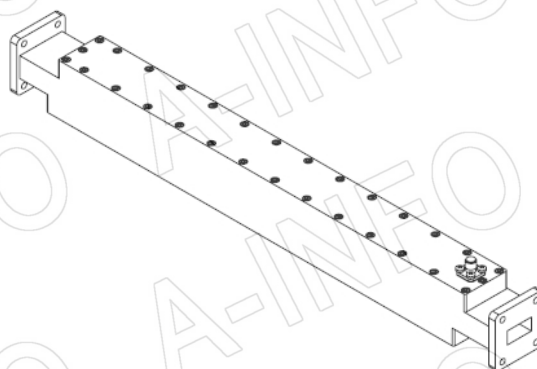
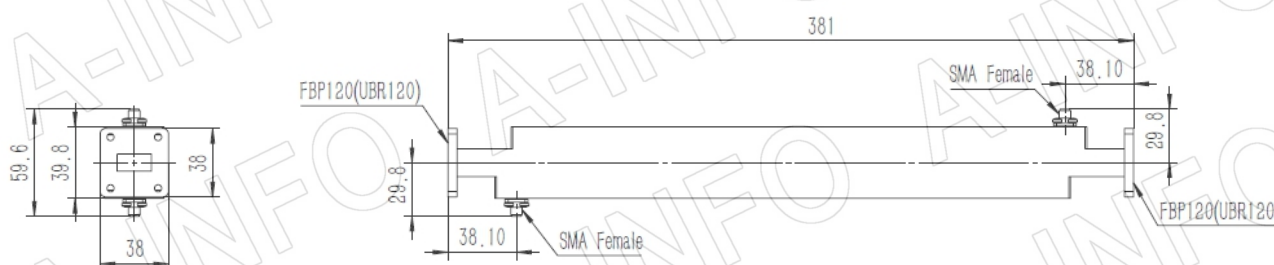


EIA WR	WR75
Frequency Range(GHz)	10.0 - 15.0
Coupling(dB)	50
Coupling Accuracy(dB)	±0.9 Max.
Frequency Sensitivity(dB)	±0.7 Max.
Directivity(dB)	30 Min.
Insertion Loss(dB)	0.3 Max. (Not including the theoretical loss 4.34×10^{-5} dB)
Mainline VSWR	1.05:1 Max.
Secondline VSWR	1.25:1 Max.
Flange	FBP120(UBR120)
Coupling Port	SMA-Female / SMA-Male
Material	Al
Size(mm)	381 x 38 x 59.6
Net Weight(Kg)	0.82 Around

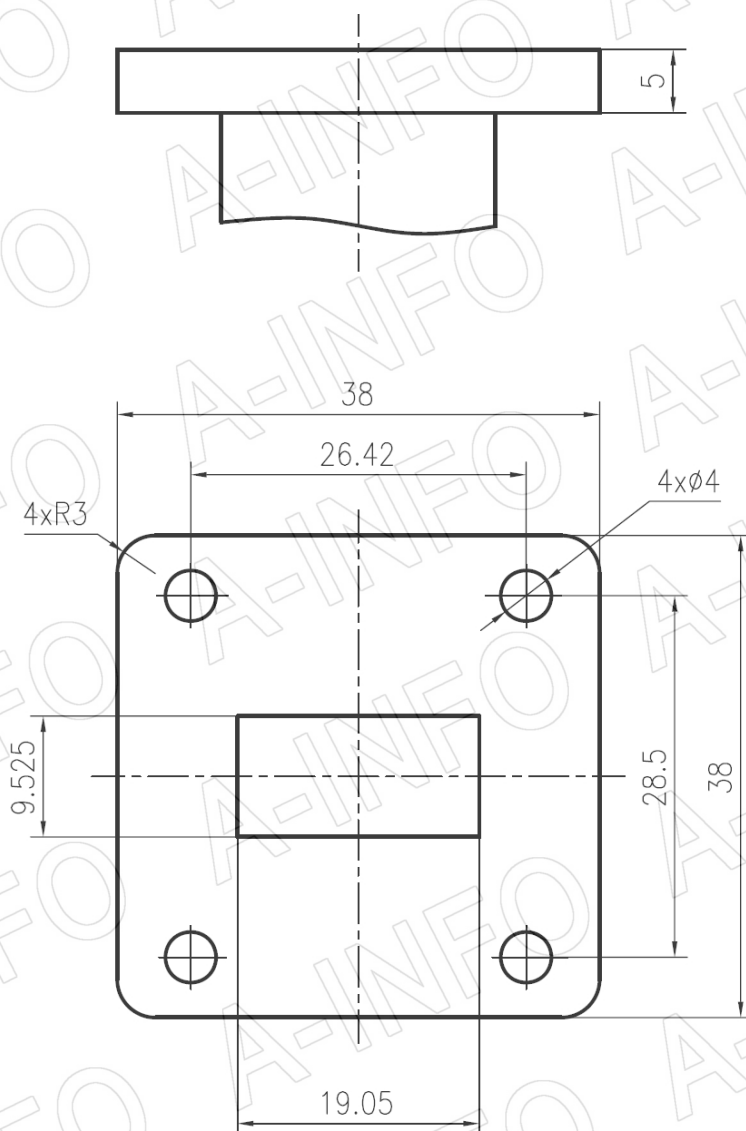
Outline Drawing (Size: mm)

Coupling Port: SMA-Female(P/N: 75WDXCS-50)

For SMA-Male connector Coupling Port outline drawing, please contact A-INFO.



Flange Drawing (Size: mm)



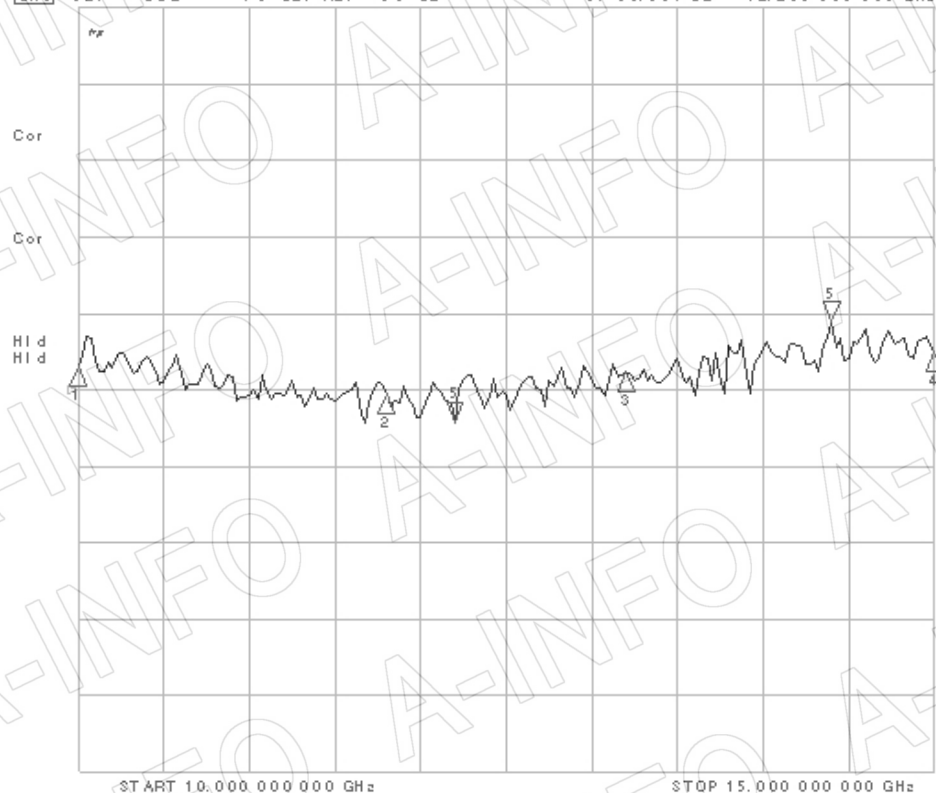
FBP120

Test Results

Coupling

Port 1

CH1	S21	LOG	.3 dB/ REF -50 dB	5:- 49.139 dB	14.400 000 000 GHz
CH3	S21	LOG	.3 dB/ REF -50 dB	5:- 50.384 dB	12.200 000 000 GHz

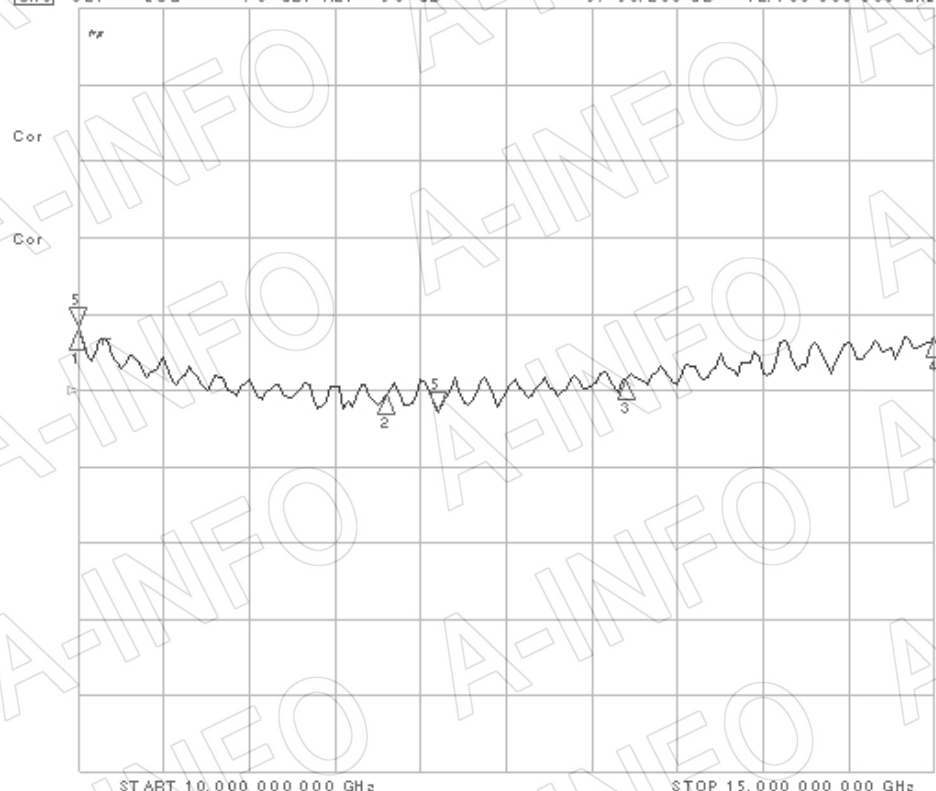


CH1 Markers
Mx
1:- 49.711 dB
10.0000 GHz
2:- 50.050 dB
11.8000 GHz
3:- 49.783 dB
13.2000 GHz
4:- 49.549 dB
15.0000 GHz

CH3 Markers
Mn
mean:- 49.830 dB
s.dev:- 2.4600 dB
p-p:- 1.1850 dB

Port 2

CH1	S21	LOG	.3 dB/ REF -50 dB	5:- 49.273 dB	10.000 000 000 GHz
CH3	S21	LOG <td>.3 dB/ REF -50 dB <td>5:- 50.263 dB <td>12.100 000 000 GHz </td></td></td>	.3 dB/ REF -50 dB <td>5:- 50.263 dB <td>12.100 000 000 GHz </td></td>	5:- 50.263 dB <td>12.100 000 000 GHz </td>	12.100 000 000 GHz

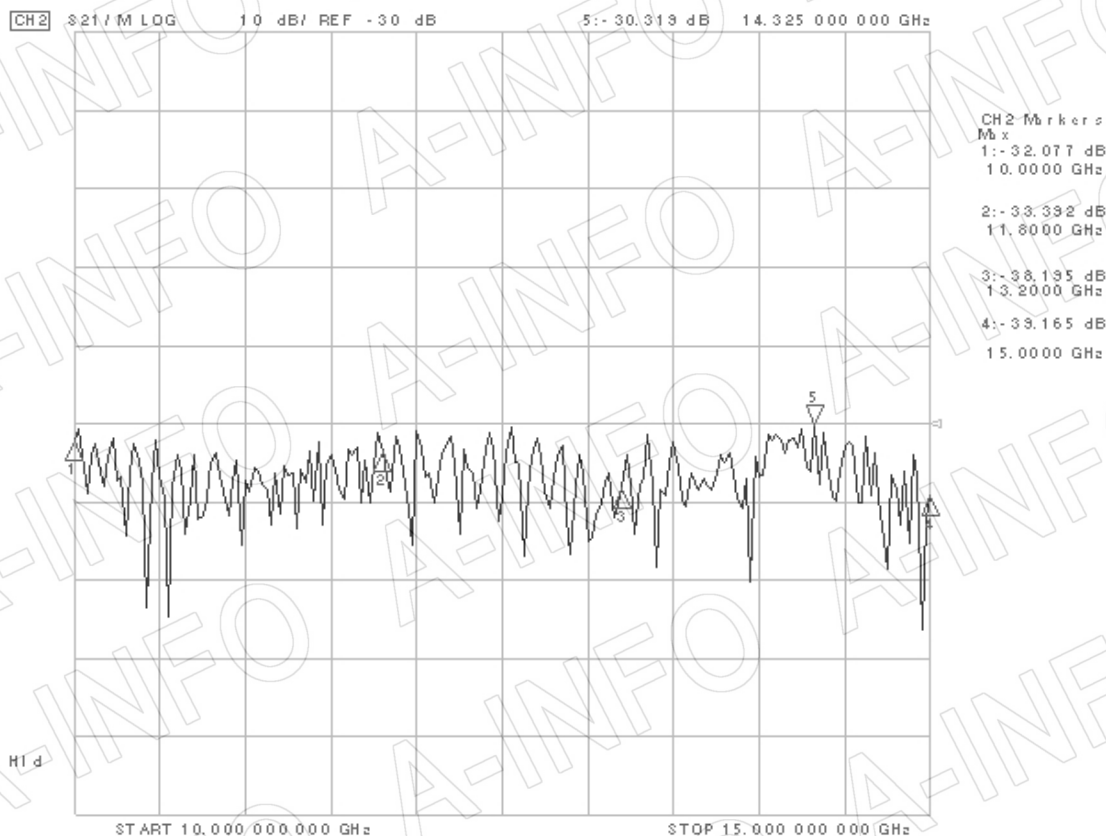


CH1 Markers
Mx
1:- 49.292 dB
10.0000 GHz
2:- 50.044 dB
11.8000 GHz
3:- 49.860 dB
13.2000 GHz
4:- 49.364 dB
15.0000 GHz

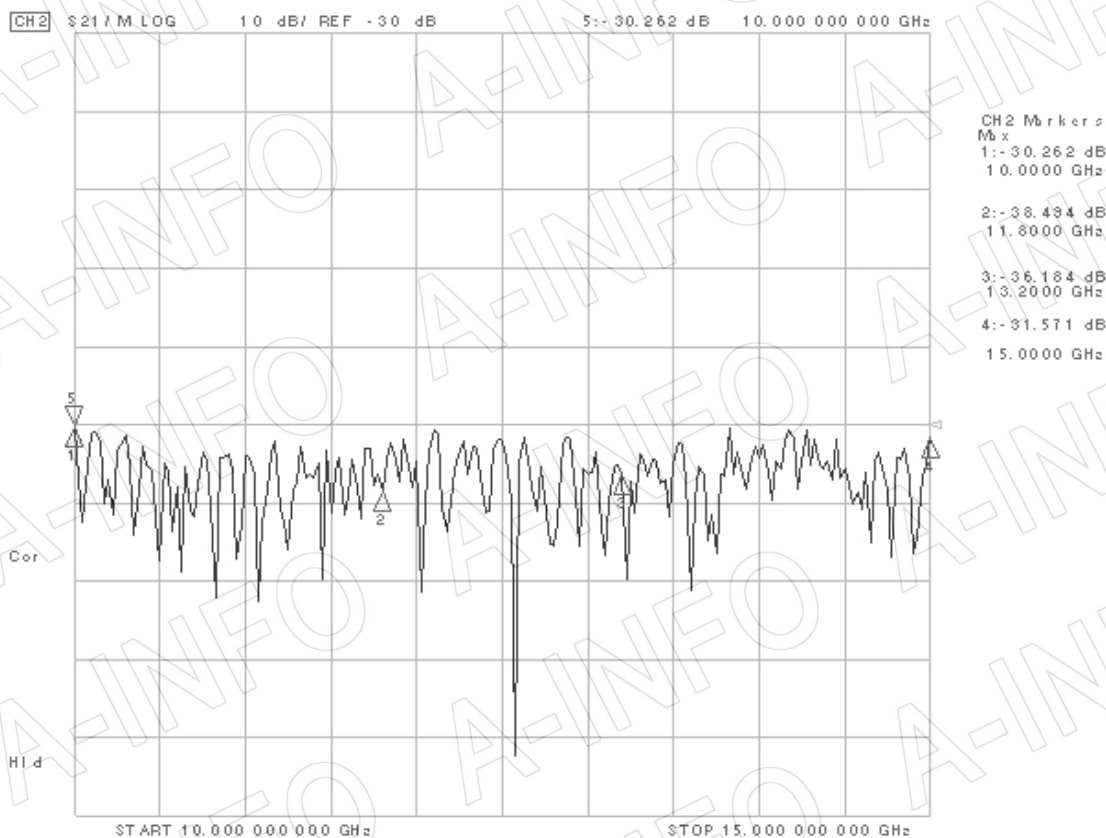
CH3 Markers
Mn
mean:- 49.828 dB
s.dev:- 2.2100 dB
p-p:- 3.7700 dB

Directivity

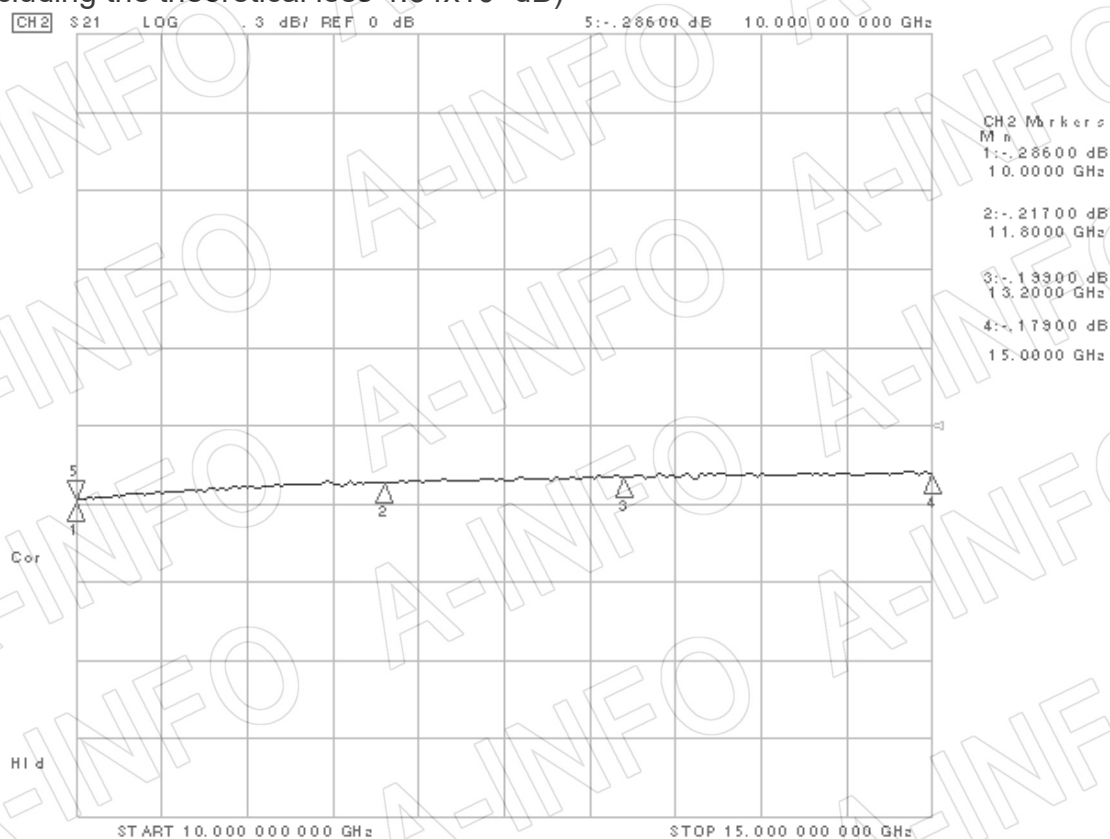
Port 1



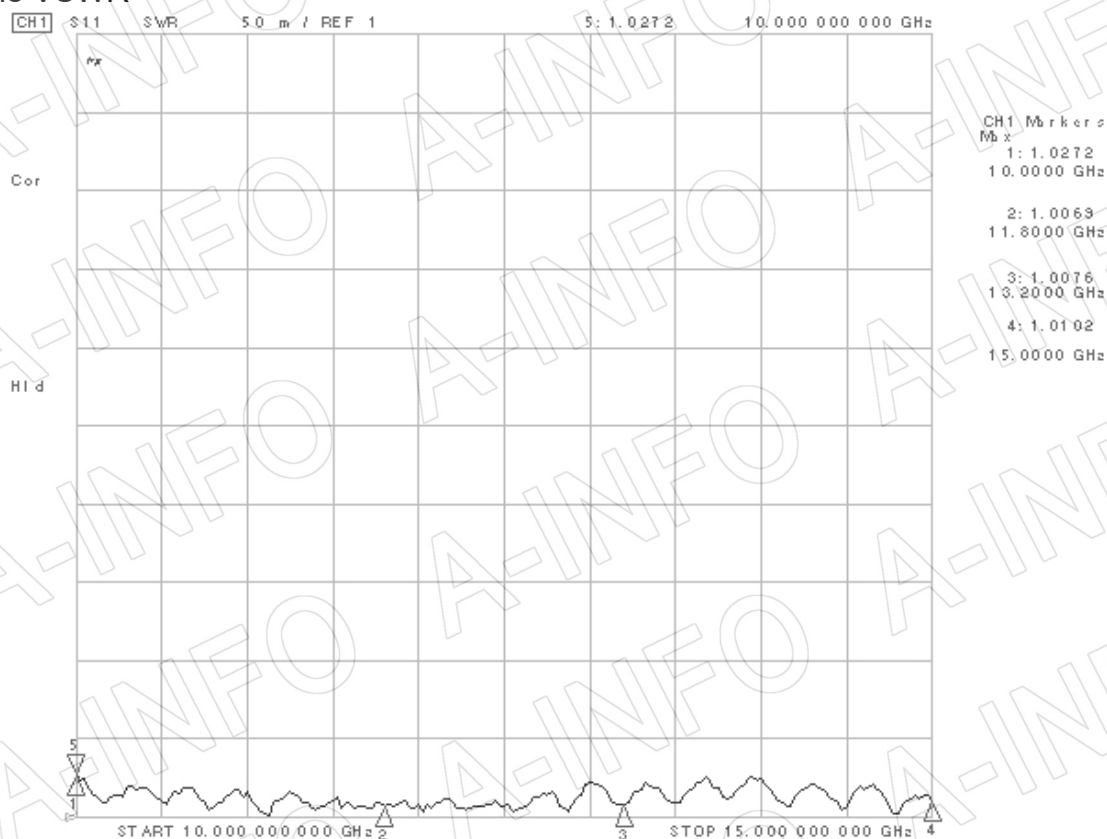
Port 2



I.L. (Including the theoretical loss 4.34×10^{-5} dB)

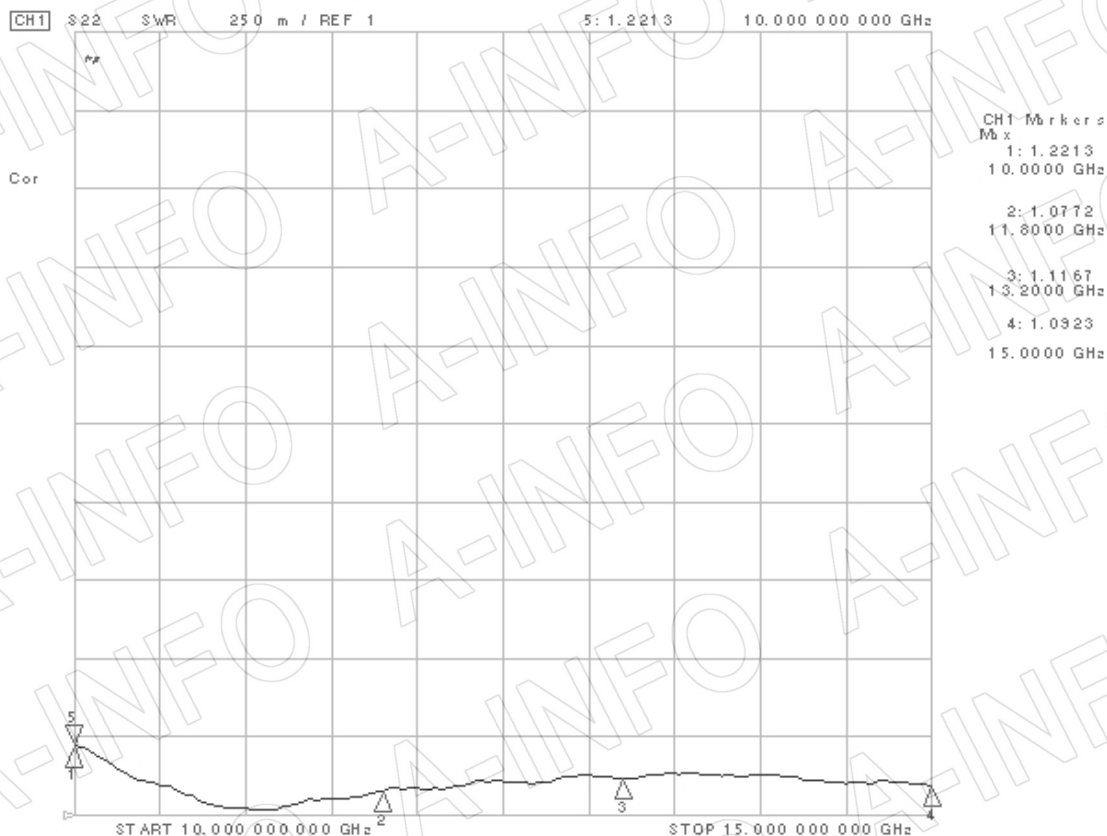


Mainline VSWR



Secondline VSWR

Port 1



Port 2

