

## Cable Assembly VSWR、I/L、Tolerance of Cable Length Defined

### VSWR

#### Cable With Double SMA Male Straight

VSWR(R/L) 1.3 max	3G	6G	12G	18G
RG316		x	x	x
RG174		x	x	x
CFD200			x	x
RG316D				x
RG400				x
0.047				
402				
405				

#### Cable With Double N Male Straight

VSWR(R/L) 1.3 max	3G	6G	12G	18G
RG316		x	x	x
RG174		x	x	x
CFD200			x	x
RG316D			x	x
RG400			x	x
0.047	x	x	x	x
402				x
405				x

#### Cable With one of SMA R/A or N R/A

VSWR(R/L) 1.3 max	3G	6G	12G	18G
RG316		x	x	x
RG174		x	x	x
CFD200			x	x
RG316D			x	x
RG400			x	x
0.047			x	x
RG402			x	x
RG405			x	x

#### Cable With IPEX or SMA

VSWR(R/L) 1.4 max	3G	6G	12G	18G
1.13			x	x
1.37			x	x

### Cable assembly I/L :

1. Connector Loss : Straight Connector  $0.08 \times \sqrt{\text{Frequency}}$  ; Right Angle Connector  $0.12 \times \sqrt{\text{Frequency}}$   
 ( should include connector both ends ; connector loss \* 2 for whole cable connector loss )
2. Assembly loss : 0.12 ( Assembly loss \* 2 for whole cable assembly loss )
3. Raw cable Loss : per Raw cable Attenuation (Minimum) \* cable length

### Tolerance of Cable Length Defined:

L: <10cm : +/- 0.2  
 L: 10~50cm : +/- 0.5  
 L: 50~100cm : +/- 0.8  
 L: 100~150cm : +/- 1.0  
 L: >150cm : TBD

#### Cable OD >4mm

L: <50cm : +/- 0.5  
 L: 50~100cm : +/- 1.0  
 L: >150cm : TBD

**Other Connector and Cable not to restrictions.**