

OML Calibration Standards Definitions Chart

Standard		Offset		Frequency (GHz)		Standard	OML	Comments
Class #	Type	Delay pS	Zo Ω	Min	Max	Label (6)	Components	
1	Short		1			SHORT	S- + OS-	Standards 1 and 3 for the Std Short/Offset Short pair
2								
3	Short		1			/4 OFFS	S- + OS1/4-	
4								
5								
6								
7								
8								
9	Load	0	1			FIXED	T-	Can use either fixed load
10	Load	0	1			SLIDING	AL-	Use 6 measurement positons
11	Delay/Thru	0	1			THRU	none	Connection of two modules
12								
13	Delay/Thru		1			THRU W/G	W/G-	Standards 13, 14, 15 are different Thru delays that can be used in calibration
14	Delay/Thru		1			THRU .1	OS-	
15	Delay/Thru		1			THRU.1+/4	OS1/4-	
16								
17								
18								
19								
20	Load		1			OFFS LOAD	T- + OS-	Standards 20 and 21 for the Std Load/Offset Load pair
21	Load		1			/4OFFS LD	T- + OS1/4-	

Notes:

- 1) This chart uses only those Definitions that apply to waveguide calibrations.
- 2) **Standard Types** are Short, Load or Delay/Thru for waveguide.
- 3) Set the system Zo to the same value as shown in Offset Zo Ω . For waveguide systems use "1".
- 4) **Frequency Min** is shown on the OML Cal Kit Chart as the TE 1,0 cutoff frequency.
- 5) **Frequency Max** is shown on the OML Cal Kit Chart as the TE 2,0 cutoff frequency.
- 6) Data shown in the parentheses is not 8510 entered data, entered on chart to identify the shim or waveguide section being used.
- 7) The **1/4 Offset** Standard is achieved by using the OS-xx waveguide shim as the flush component with the OS1/4-xx component.

Calibration Standards Definitions Chart for an OML # V___CAL (WR-___) Calibration Kit Date: _____

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