



Typical Characteristics
For
TD-30T-218-FC-HS OPTION 220



April 9, 2012
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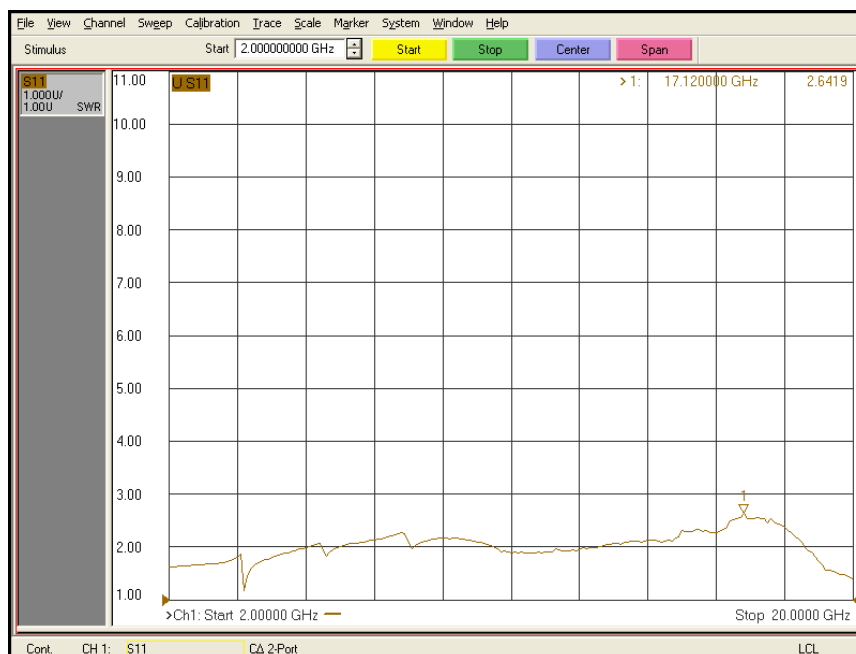
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TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA/QC
1	Frequency Range:	2.0 - 20.0 GHz Min.	2.0 - 20.0 GHz Min.	
2	VSWR / Return Loss (@ -20dBm):	3.0:1 / 6.02dB (Max.)	2.64:1 / 6.92dB See Plot	
3	Dynamic Range:	-20dBm to -10dBm (Min.)	Pass	
4	Resistor Value (For Reference):	@ -20dBm	87.6 Ohm	
5	Resistor Value (For Reference):	@ -10dBm	325 Ohm	
6	Threshold Variation Frequency: (Input Flatness)	± 2.0dB (Max.) ±1.2dB (Typ.)	Pass <1.0dB	
7	Propagation Delay On:	100ns (Max.)	<100ns See Plots	
8	Propagation Delay Off:	100ns (Max.)	<100ns See Plots	
9	D.C. Power +12V (No Load):	100mA (Max.)	35 mA	

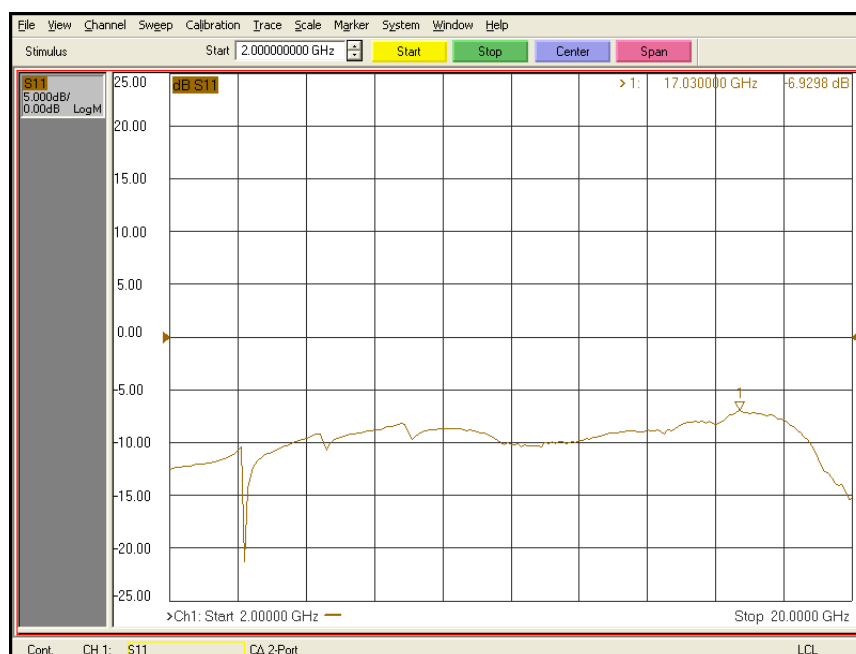


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Input VSWR



Input Return Loss

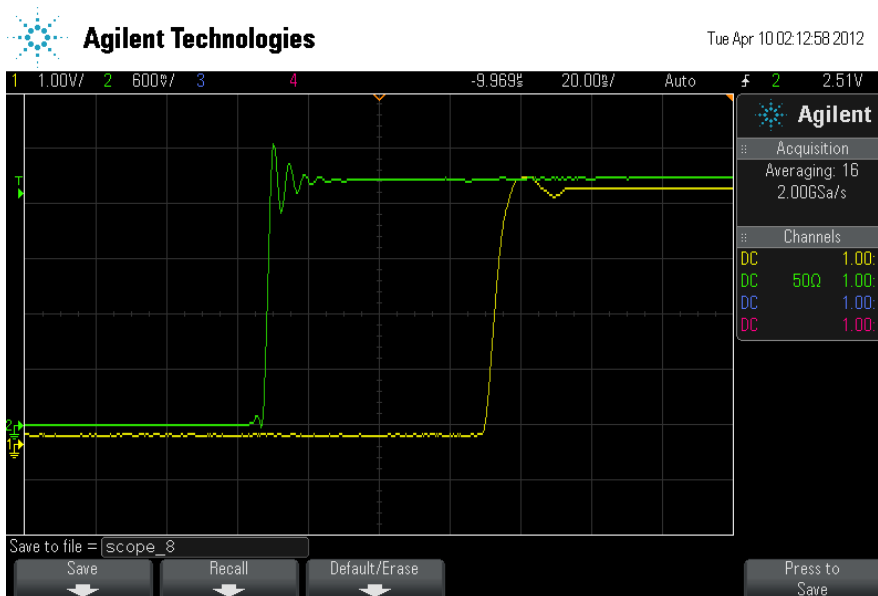




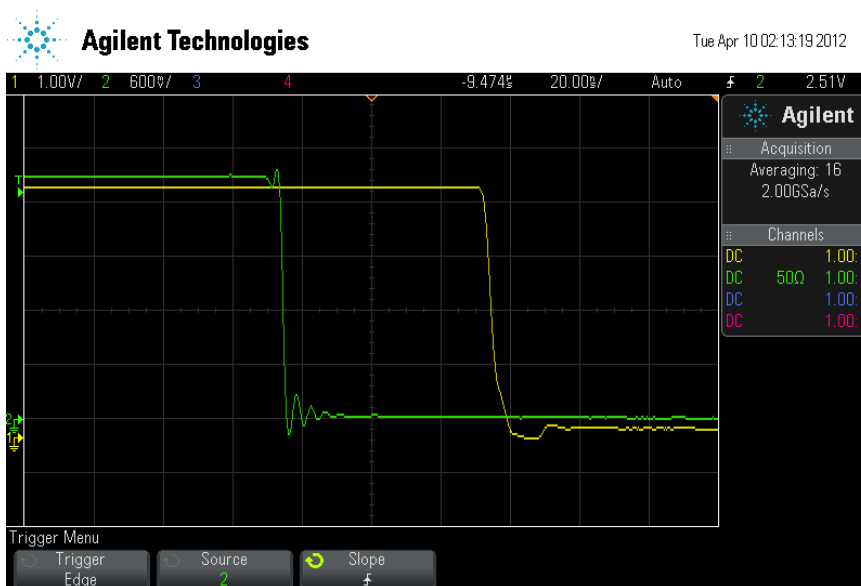
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Switching Speed

Propagation Delay On – 20ns per division



Propagation Delay Off – 20 ns per division



Green Trace: RF Signal
Yellow Trace: TTL Signal



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Switching Speed

Full Pulse – 200ns per division

