



CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

26.5 GHZ HAND FORMABLE .086 COAX CABLES



50 Ohm DC-26.5 GHz Hand Formable Coaxial Cables

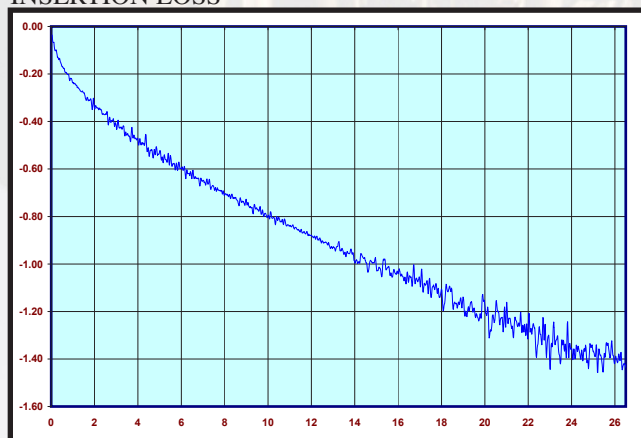
Features:

Center Conductor:	Silver-plated copper wire
Outer Braid:	Tin-soaked copper braid, 100% coverage
Insulation:	PTFE (Polytetrafluoroethylene) dielectric
Cable Outer Diameter:	0.086" (2.2mm)
Connectors:	Stainless Steel
Center Pin:	Gold-plated brass
Operating Temperature:	-40°C to +85°C
Minimum Bend Radius:	0.125" (3.17mm) single bend 0.99" (25mm) multiple bends

Electrically Matched Pairs Available

PN: CCSMA26.5-MM-086-12

INSERTION LOSS



Electrical Specifications:

Impedance:	50 Ohms
Frequency:	DC to 26.5 GHz
Insertion Loss:	1.40 dB/ft at 26.5 GHz
VSWR:	<1.3, DC to 26.5 GHz
Nominal Capacitance:	29 pF/ft
Velocity of Propagation:	70%
Shield Effectiveness:	Greater than 100 dB
Attenuation (dB/ft):	0.16 Typical at 0.5 GHz 0.22 Typical at 1 GHz 0.80 Typical at 10 GHz 1.13 Typical at 18 GHz 1.40 Typical at 26.5 GHz
*connector loss not included (refer to actual cable plot below)	

Avg Power in (Watts):	900 @ 100 MHz
	200 @ 1 GHz
	50 @ 10 GHz

*as specified at 20°C

Applications:	Jumpers Instrumentation High Frequency Interconnects
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SMA / SMA [Straight/Straight]

Part Number	Description	Length
CCSMA26.5-MM-086-3	.086 Hand Formable Coax Cable, SMA Male/Male, Straight/Straight	3"
CCSMA26.5-MM-086-4	.086 Hand Formable Coax Cable, SMA Male/Male, Straight/Straight	4"
CCSMA26.5-MM-086-5	.086 Hand Formable Coax Cable, SMA Male/Male, Straight/Straight	5"
CCSMA26.5-MM-086-6	.086 Hand Formable Coax Cable, SMA Male/Male, Straight/Straight	6"
CCSMA26.5-MM-086-7	.086 Hand Formable Coax Cable, SMA Male/Male, Straight/Straight	7"
CCSMA26.5-MM-086-8	.086 Hand Formable Coax Cable, SMA Male/Male, Straight/Straight	8"
CCSMA26.5-MM-086-10	.086 Hand Formable Coax Cable, SMA Male/Male, Straight/Straight	10"
CCSMA26.5-MM-086-12	.086 Hand Formable Coax Cable, SMA Male/Male, Straight/Straight	12"



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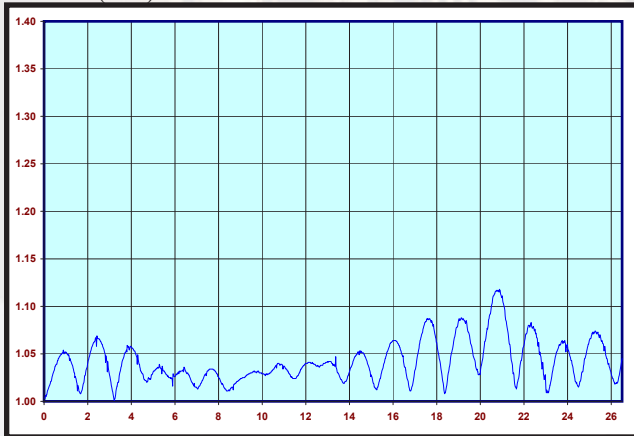
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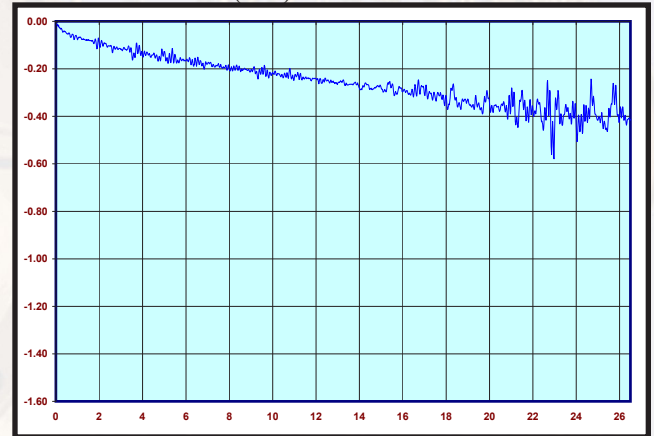


Data plots contained within this specification are generated from actual production cable assemblies. This data represents the typical performance that can be expected from each cable assembly. The data is plotted from raw data without modification (ie: Smoothing or Averaging.)

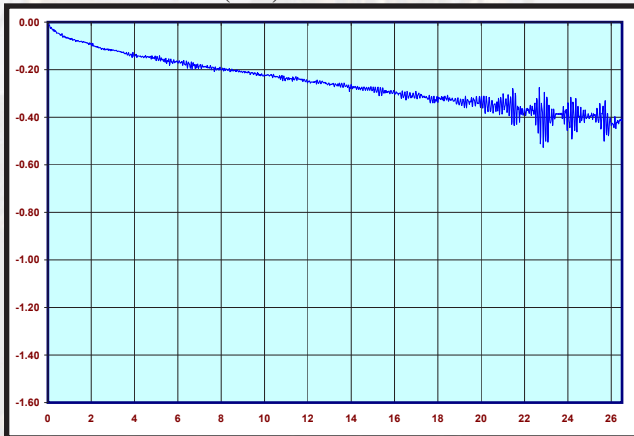
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VSWR (S11)



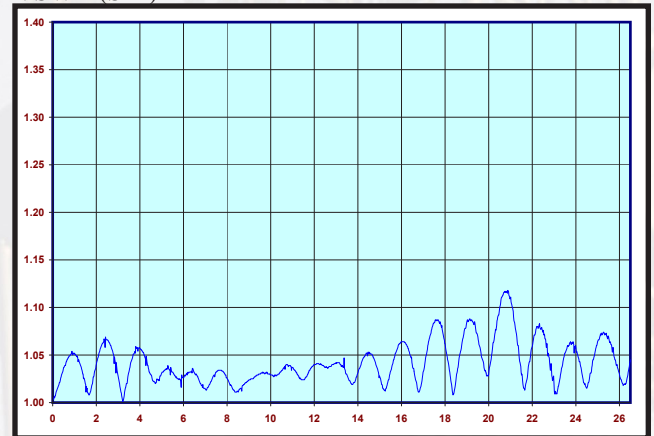
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INSERTION LOSS (S12)



PN: CCSMA26.5-MM-086-3
INSERTION LOSS (S21)



PN: CCSMA26.5-MM-086-3
VSWR (S22)





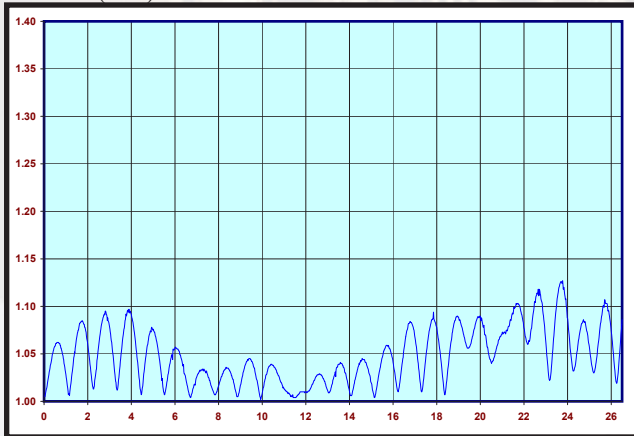
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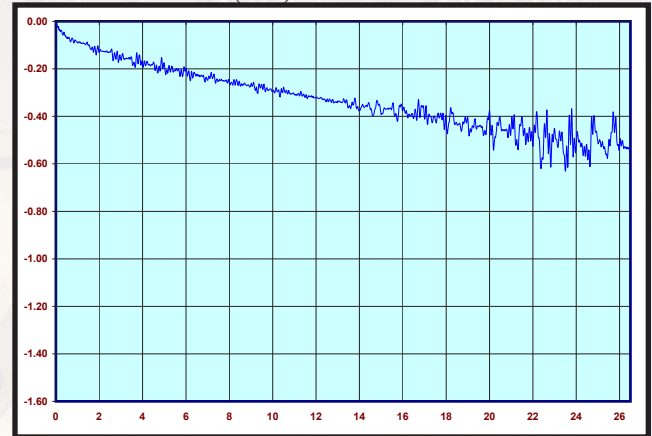


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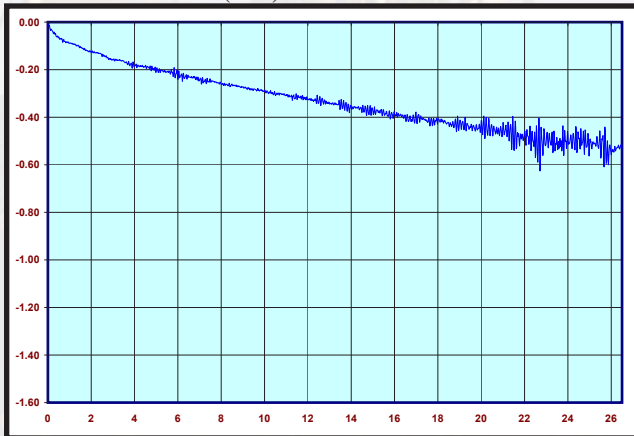
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VSWR (S11)



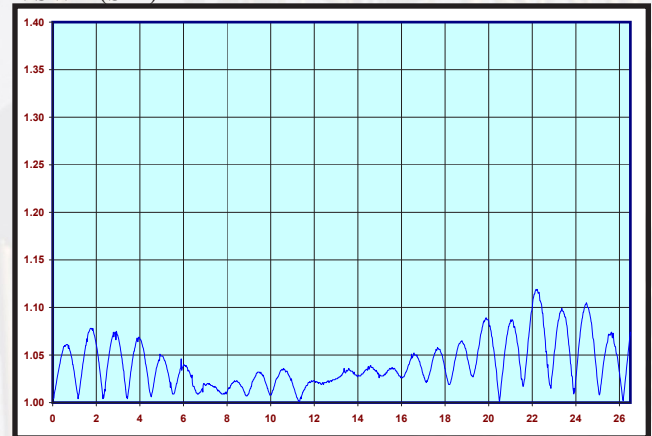
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INSERTION LOSS (S12)



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INSERTION LOSS (S21)



PN: CCSMA26.5-MM-086-4
VSWR (S22)





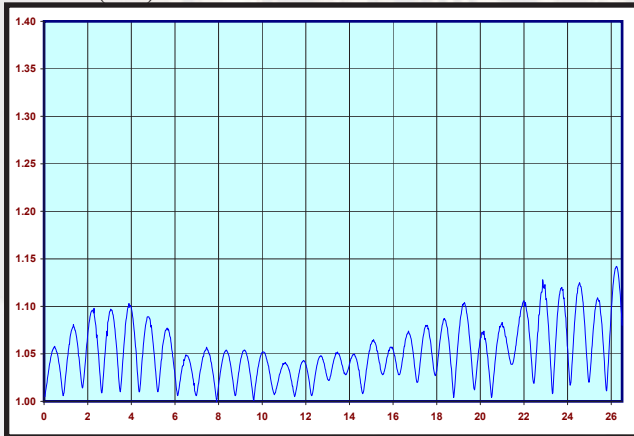
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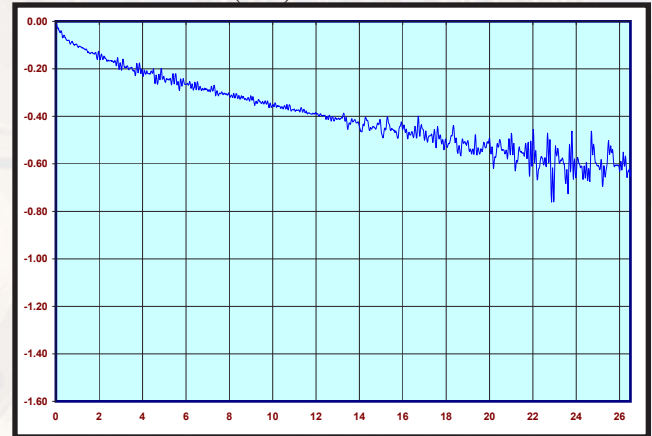


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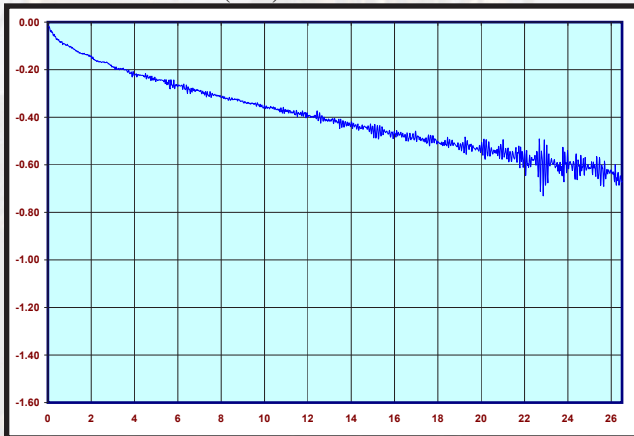
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VSWR (S11)



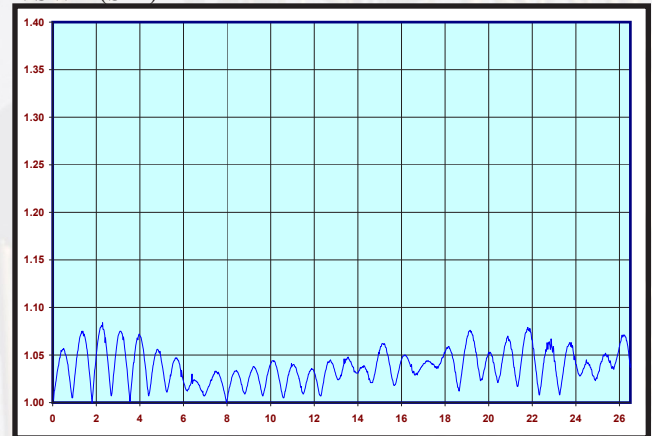
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INSERTION LOSS (S12)



PN: CCSMA26.5-MM-086-5
INSERTION LOSS (S21)



PN: CCSMA26.5-MM-086-5
VSWR (S22)



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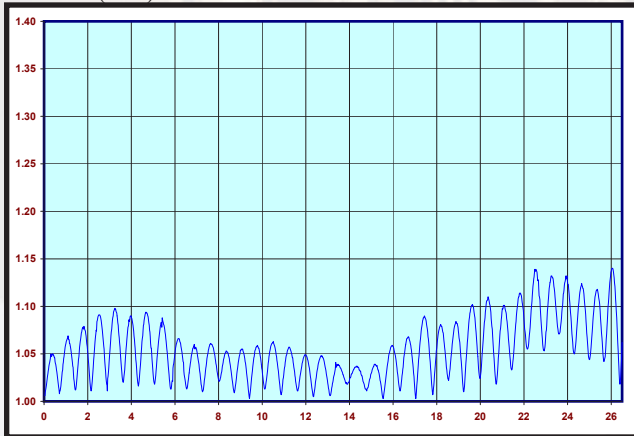
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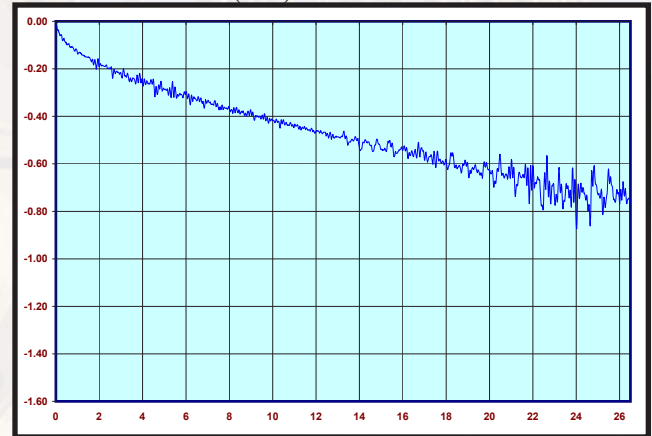


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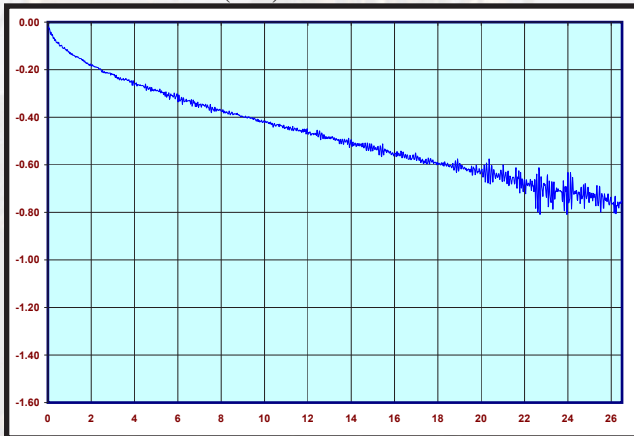
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VSWR (S11)



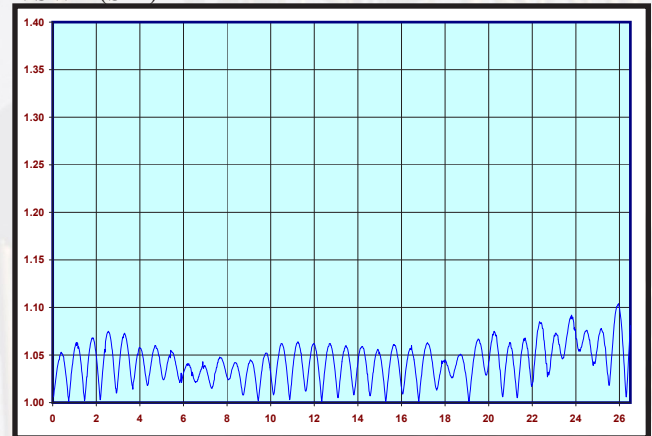
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INSERTION LOSS (S12)



PN: CCSMA26.5-MM-086-6
INSERTION LOSS (S21)



PN: CCSMA26.5-MM-086-6
VSWR (S22)



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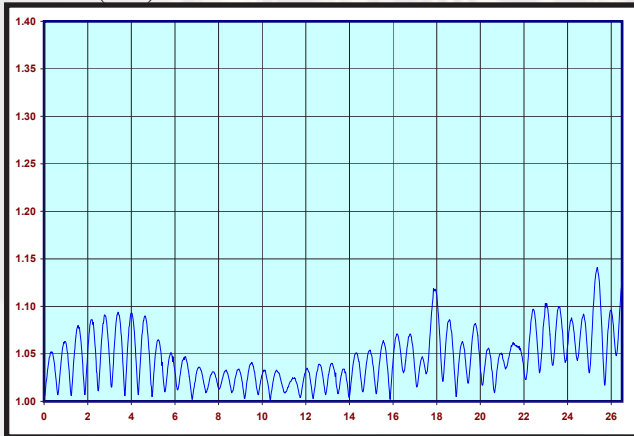
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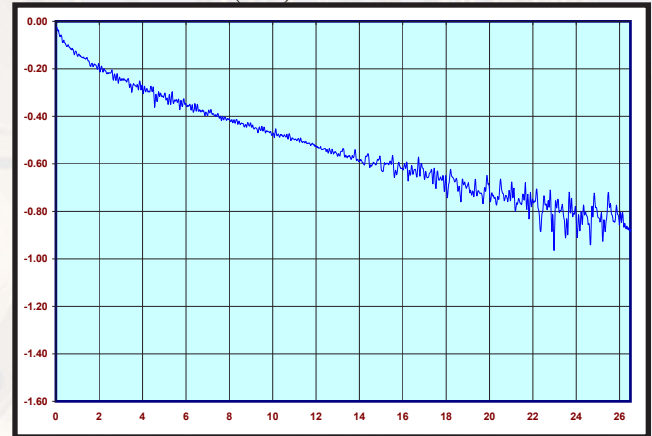


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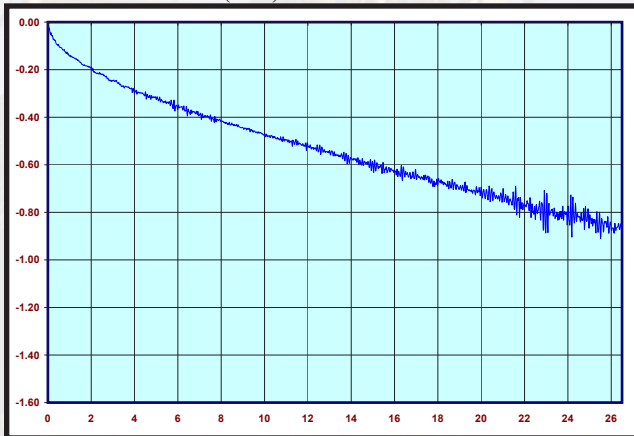
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VSWR (S11)



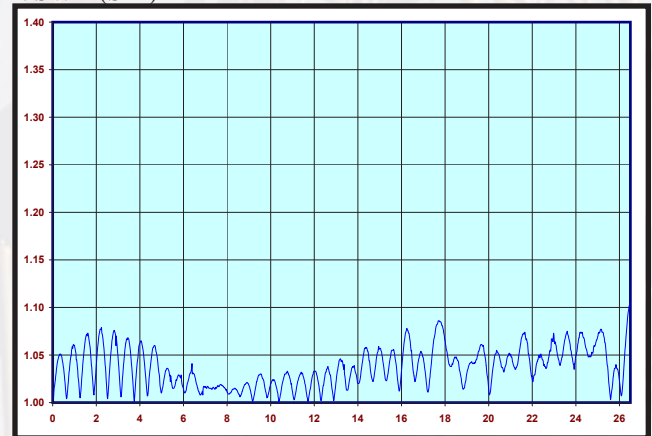
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INSERTION LOSS (S12)



PN: CCSMA26.5-MM-086-7
INSERTION LOSS (S21)



PN: CCSMA26.5-MM-086-7
VSWR (S22)





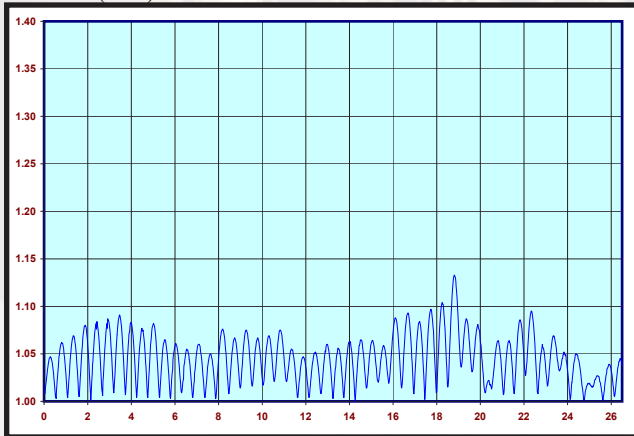
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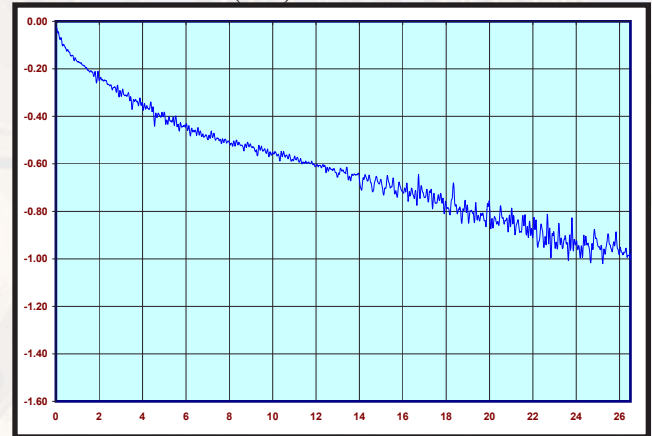


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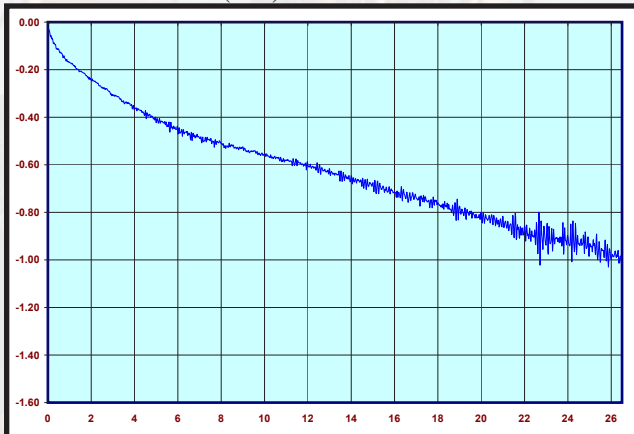
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VSWR (S11)



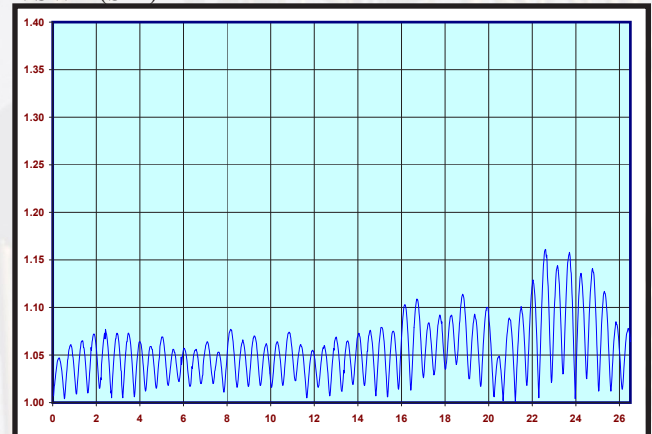
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INSERTION LOSS (S12)



PN: CCSMA26.5-MM-086-8
INSERTION LOSS (S21)



PN: CCSMA26.5-MM-086-8
VSWR (S22)





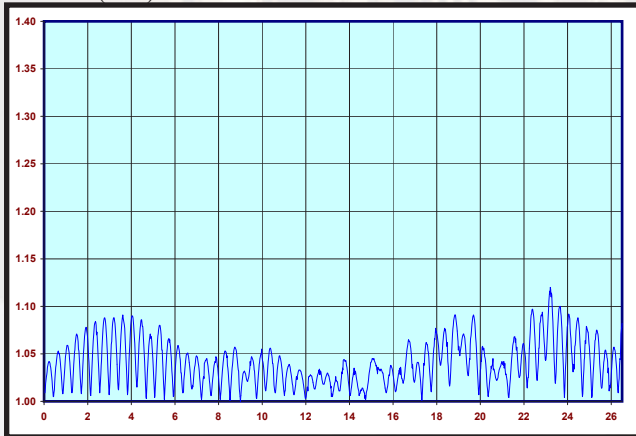
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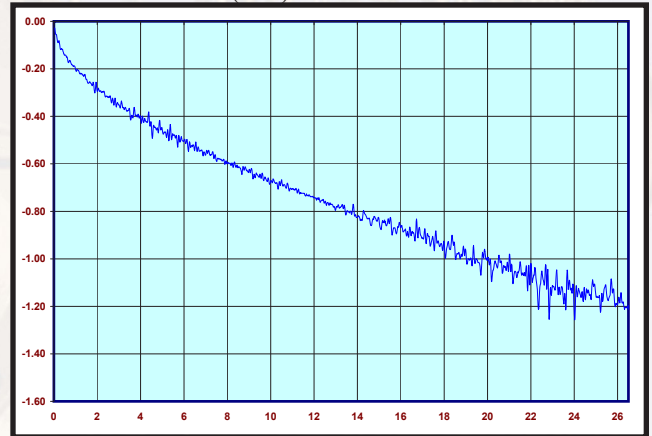


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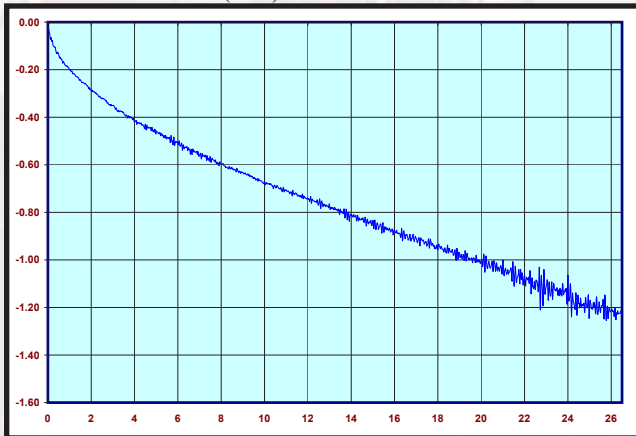
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VSWR (S11)



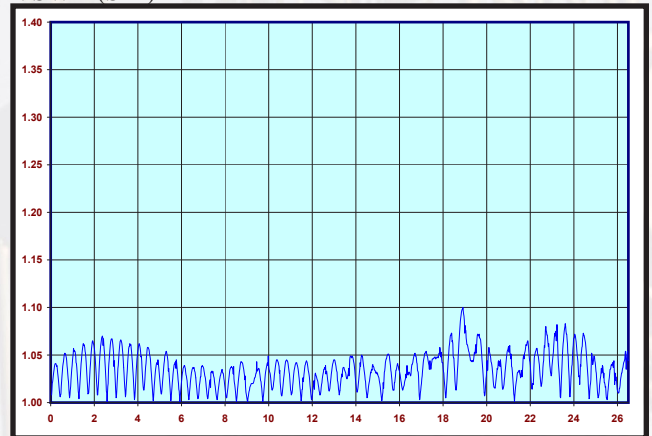
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INSERTION LOSS (S12)



PN: CCSMA26.5-MM-086-10
INSERTION LOSS (S21)



PN: CCSMA26.5-MM-086-10
VSWR (S22)



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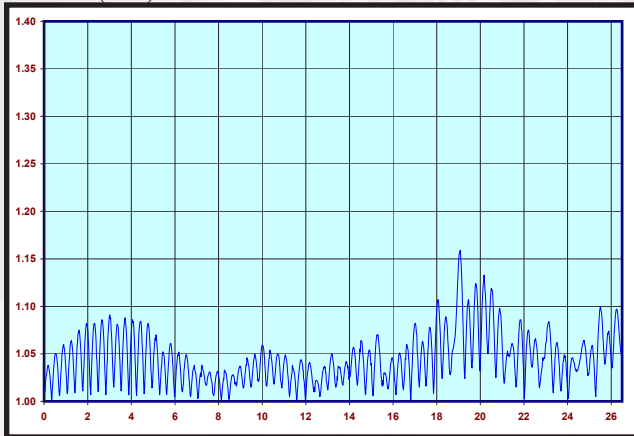
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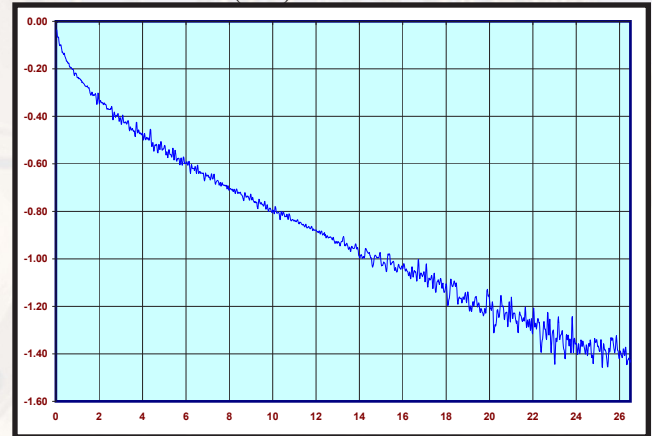


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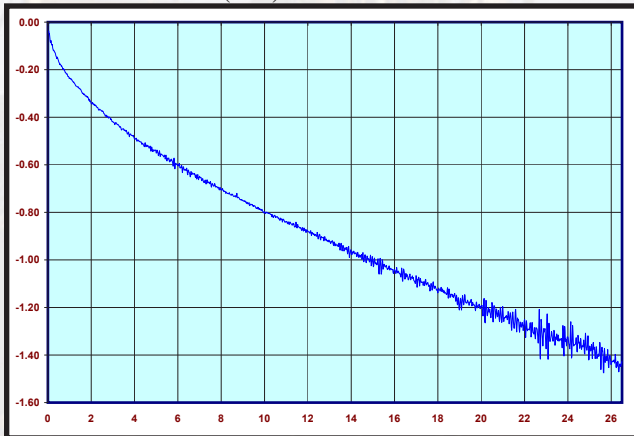
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VSWR (S11)



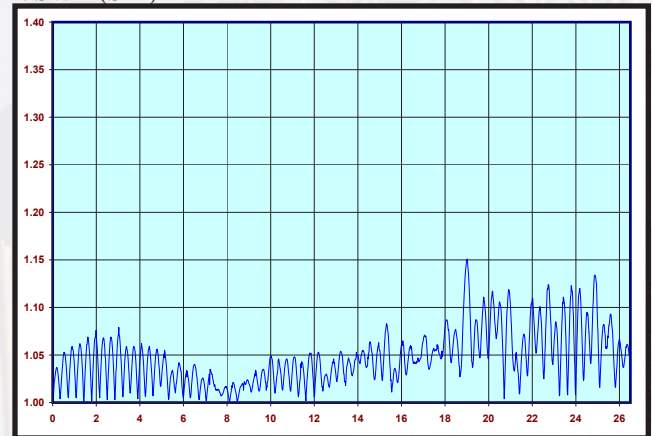
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INSERTION LOSS (S12)



PN: CCSMA26.5-MM-086-12
INSERTION LOSS (S21)



PN: CCSMA26.5-MM-086-12
VSWR (S22)



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