



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

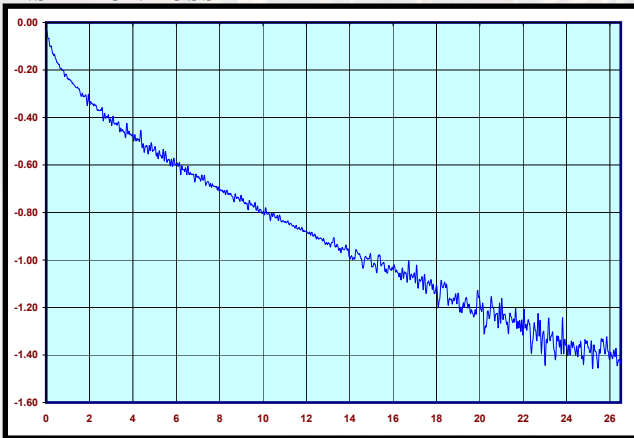
Features:

- Center Conductor:** Silver-plated copper wire
- Outer Braid:** Tin-soaked copper braid, 100% coverage
- Insulation:** PTFE (Polytetrafluoroethylene) dielectric
- Cable Outer Dia.:** 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%
 - RF Shielding:** > 100 dB
 - Attenuation (dB/ft):** 0.16 Typ. at 0.5 GHz
0.22 Typ. at 1 GHz
0.80 Typ. at 10 GHz
1.13 Typ. at 18 GHz
1.40 Typ. 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



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"



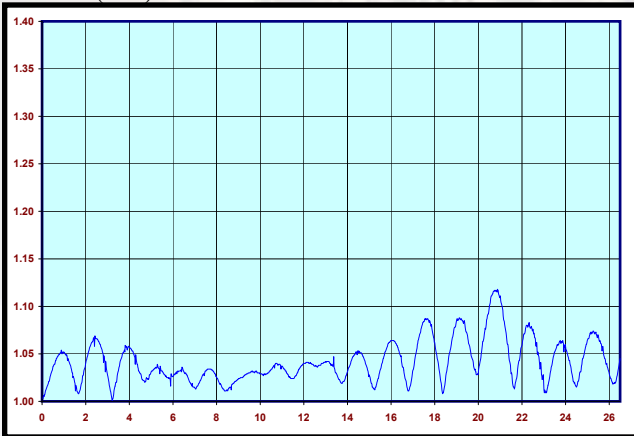
CRYSTEK
CORPORATION

12730 COMMONWEALTH DRIVE • FORT MYERS, FL 33913
PHONE: 239-561-3311 • 800-237-3061 Rev.: A
FAX: 239-561-1025 • WWW.CRYSTEK.COM Date: 10-16-11

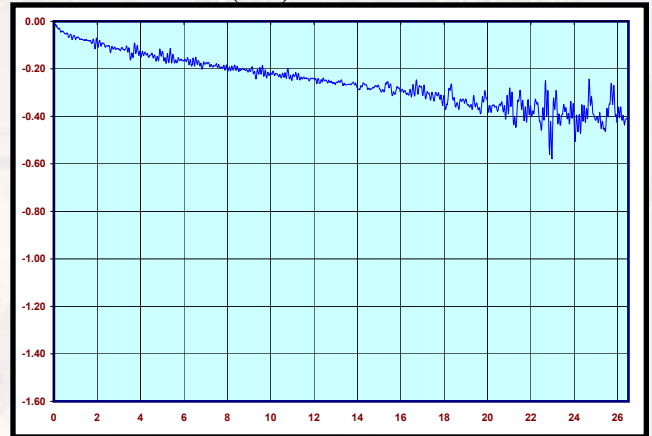


Data plots contained within this specification is generated from actual production cable assemblies. This data represents the typical performance that can be expected from each cable assembly. The data is plotted from raw data without modification (IE: Smoothing or Averaging.)

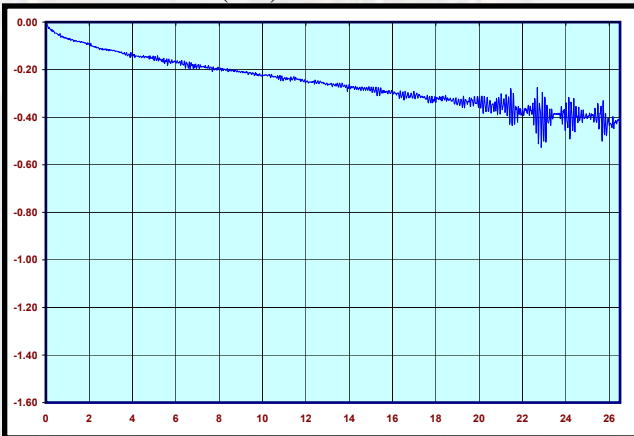
PN: CCSMA26.5-MM-086-3
VSWR (S11)



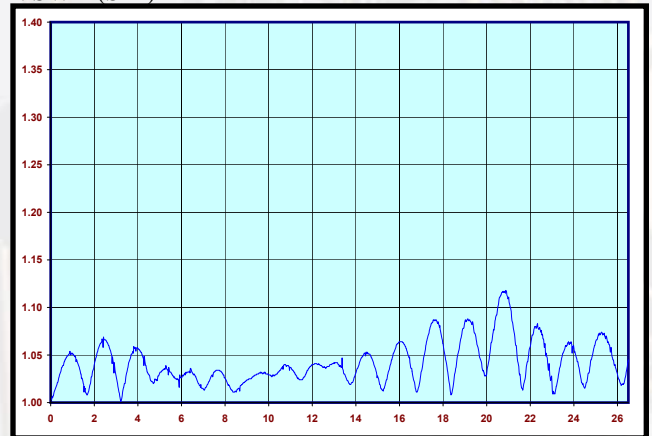
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INSERTION LOSS (S12)



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



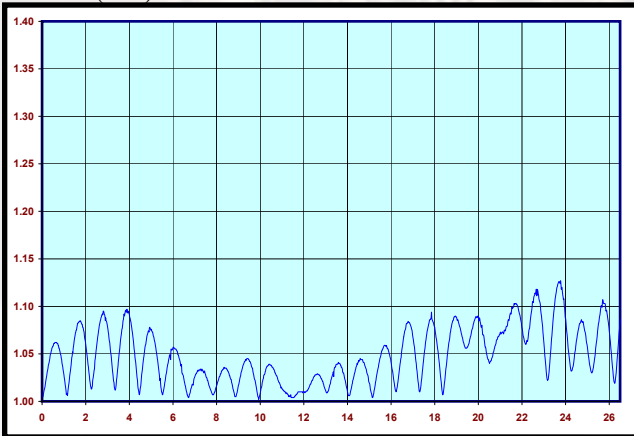
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VSWR (S22)



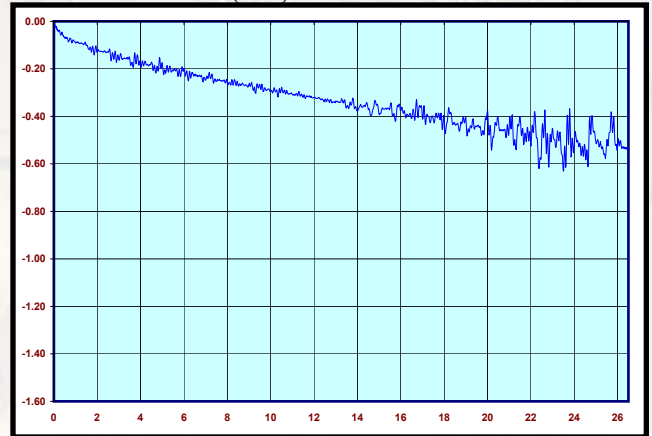


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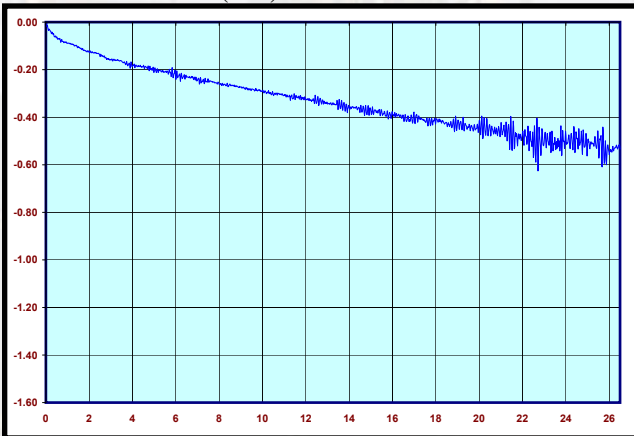
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VSWR (S11)



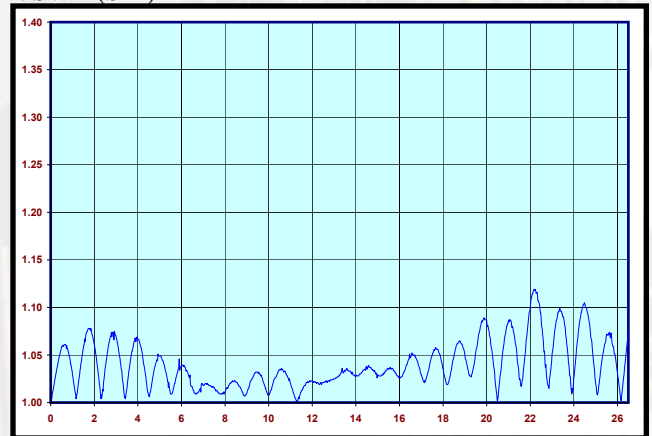
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INSERTION LOSS (S12)



PN: CCSMA26.5-MM-086-4
INSERTION LOSS (S21)



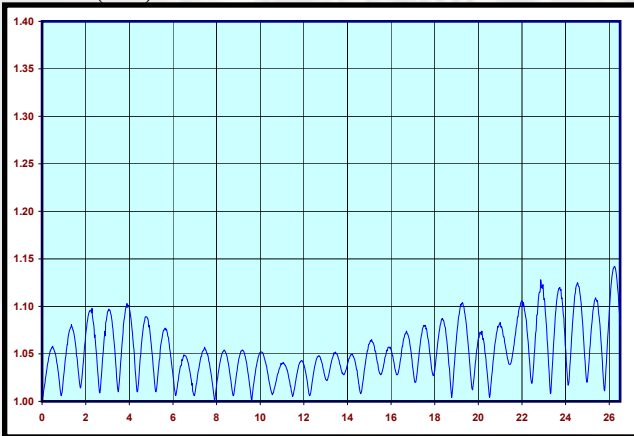
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VSWR (S22)



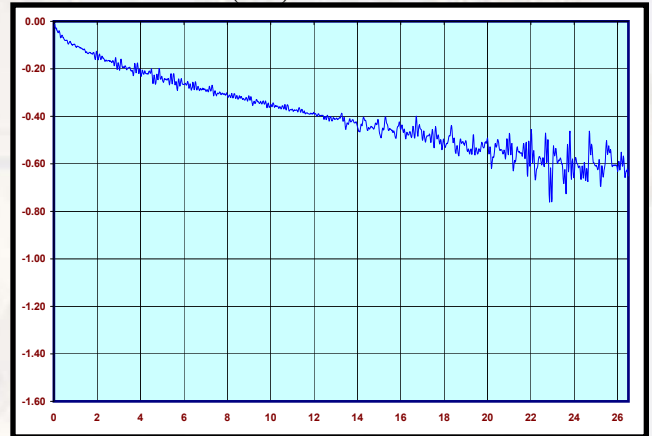


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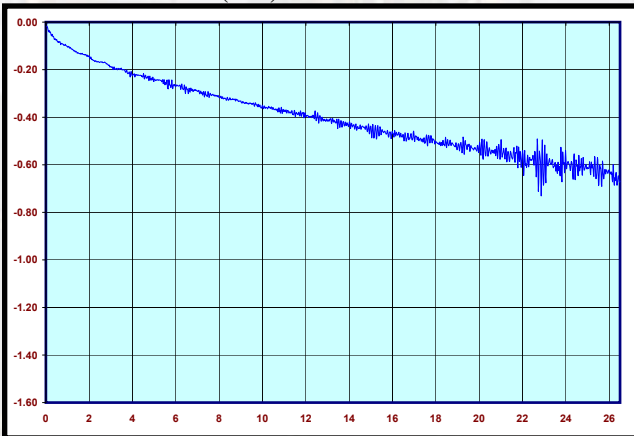
PN: CCSMA26.5-MM-086-5
VSWR (S11)



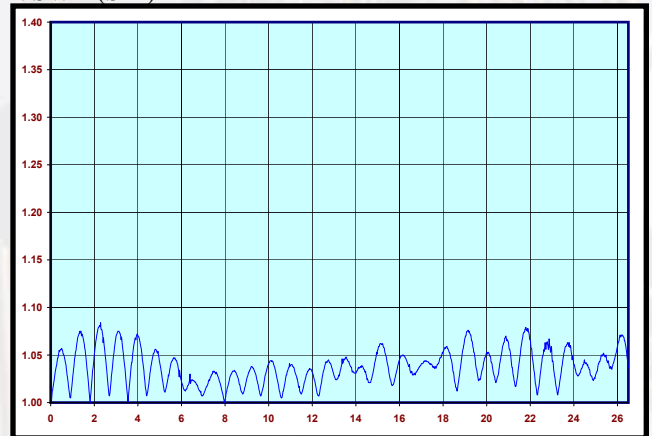
PN: CCSMA26.5-MM-086-5
INSERTION LOSS (S12)



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



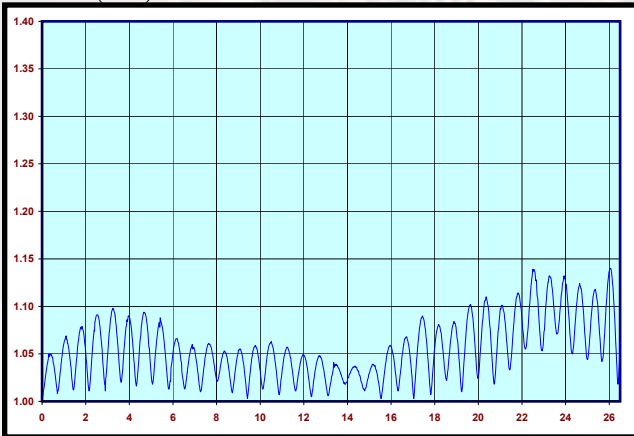
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VSWR (S22)



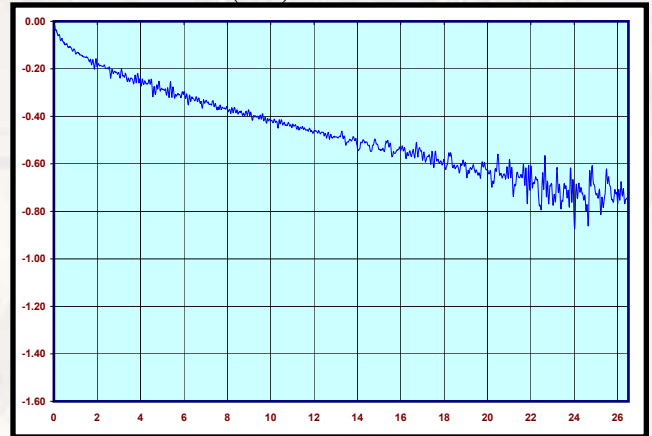


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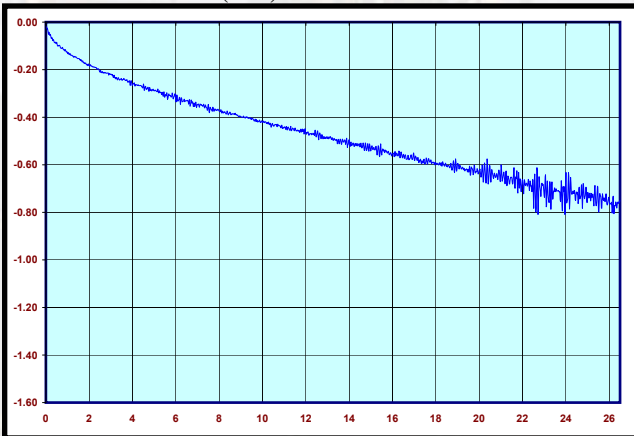
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VSWR (S11)



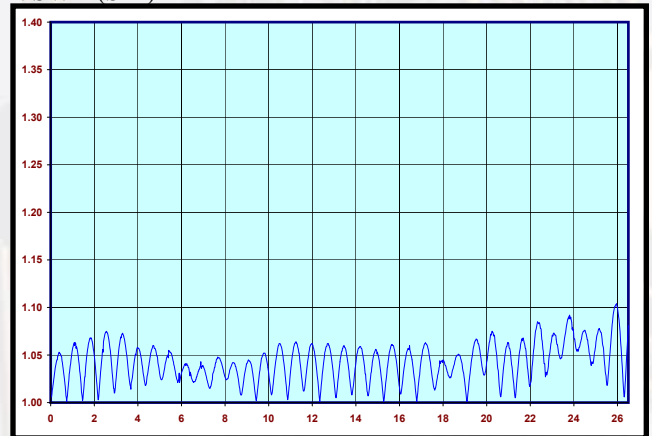
PN: CCSMA26.5-MM-086-6
INSERTION LOSS (S12)



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



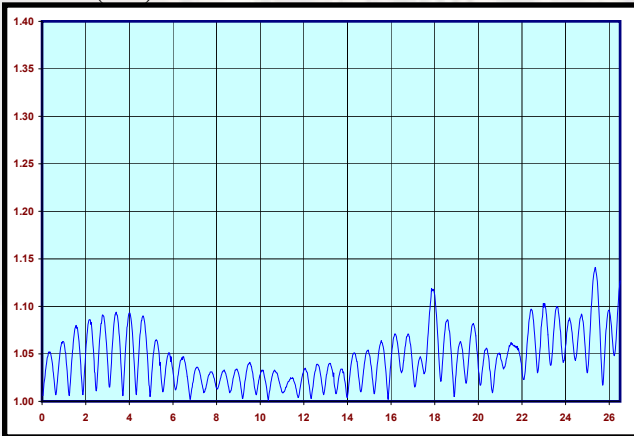
PN: CCSMA26.5-MM-086-6
VSWR (S22)



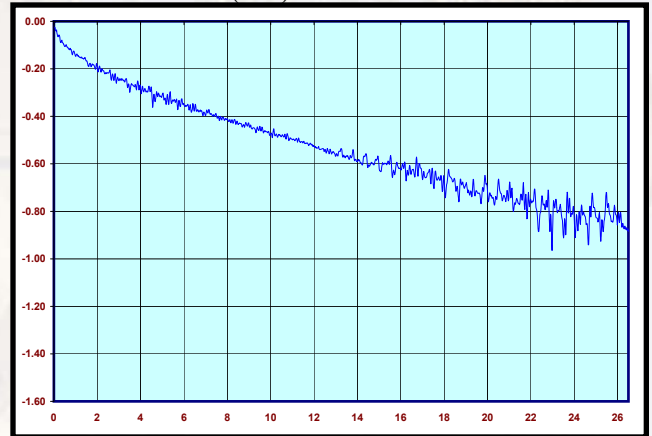


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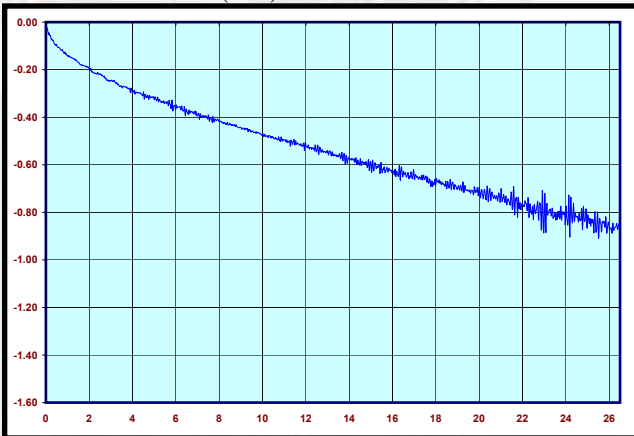
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VSWR (S11)



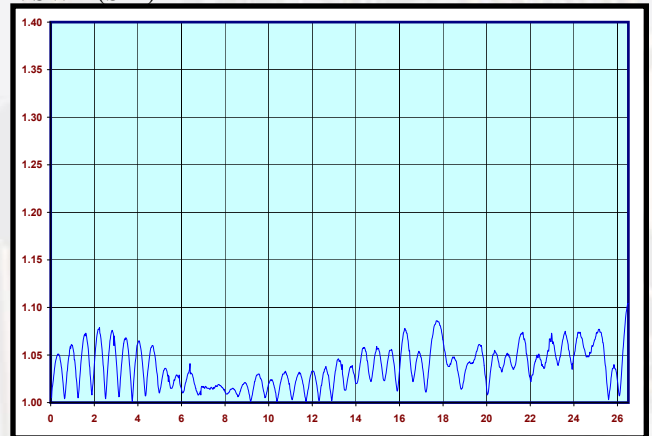
PN: CCSMA26.5-MM-086-7
INSERTION LOSS (S12)



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



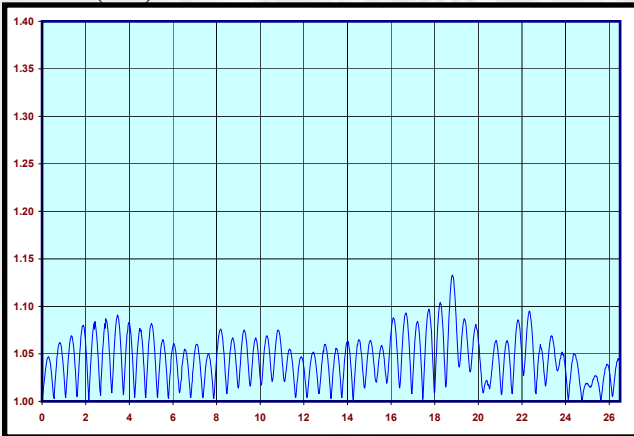
PN: CCSMA26.5-MM-086-7
VSWR (S22)



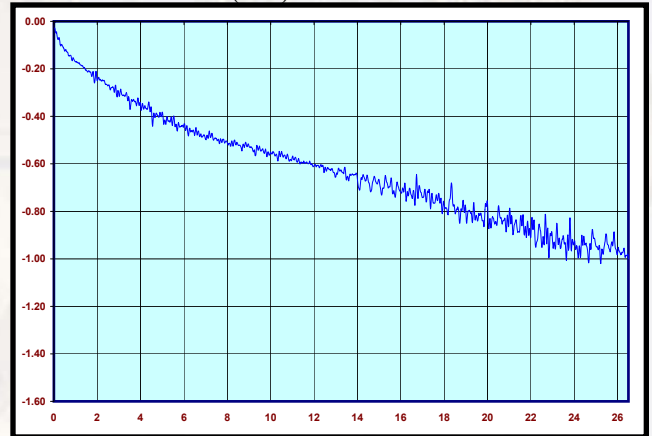


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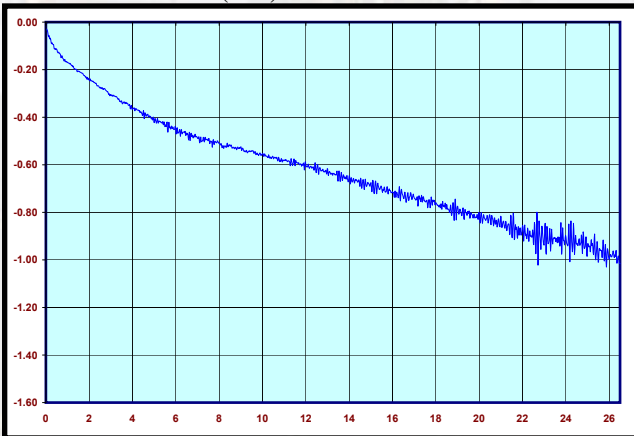
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VSWR (S11)



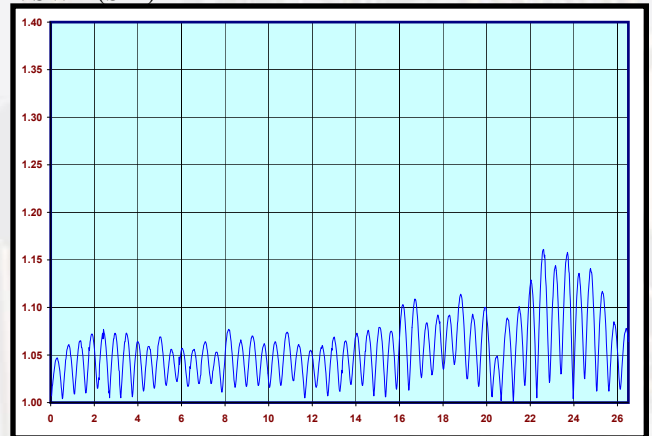
PN: CCSMA26.5-MM-086-8
INSERTION LOSS (S12)



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



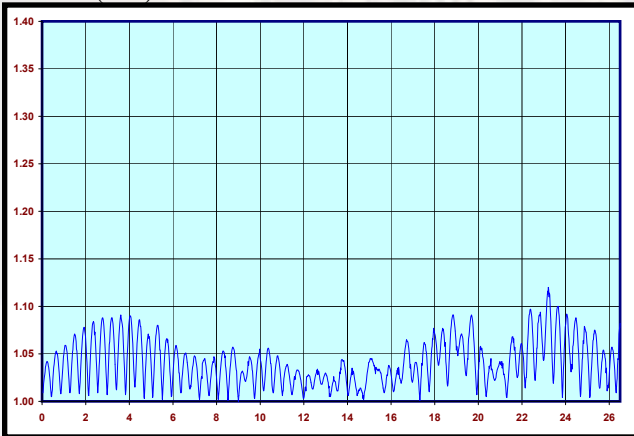
PN: CCSMA26.5-MM-086-8
VSWR (S22)



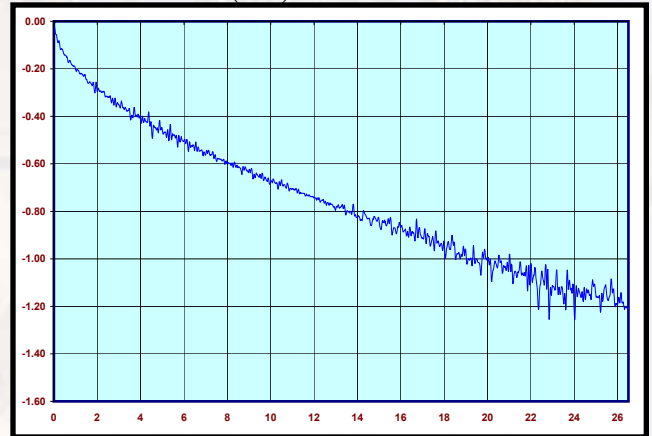


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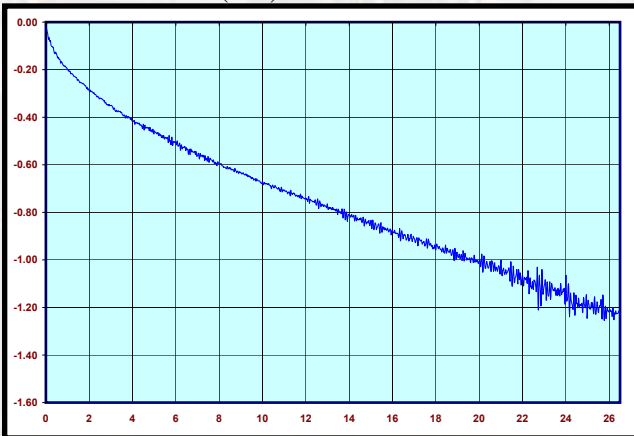
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VSWR (S11)



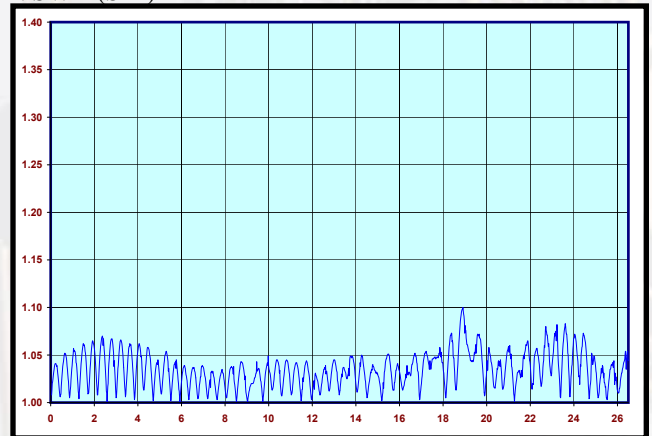
PN: CCSMA26.5-MM-086-10
INSERTION LOSS (S12)



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



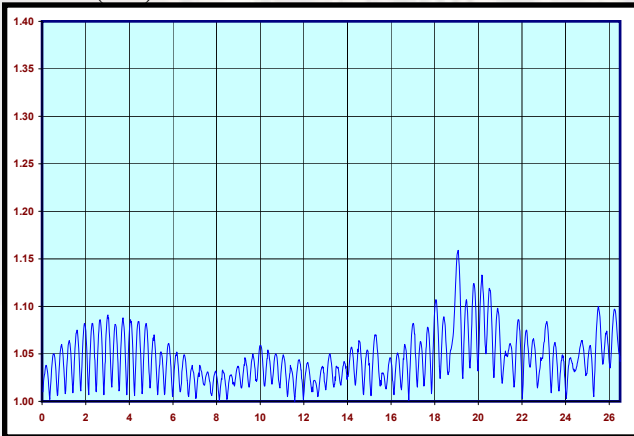
PN: CCSMA26.5-MM-086-10
VSWR (S22)



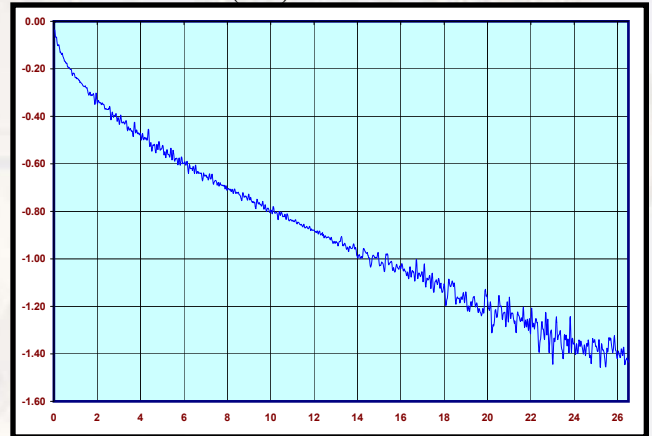


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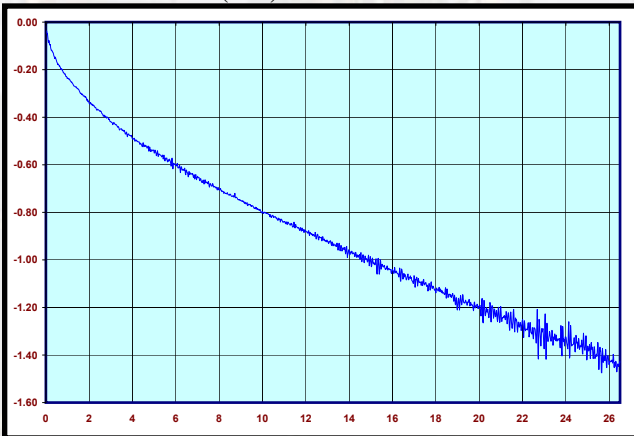
PN: CCSMA26.5-MM-086-12
VSWR (S11)



PN: CCSMA26.5-MM-086-12
INSERTION LOSS (S12)



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



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

