328-335.5MHz 7 way power divider V1.3

Model TPD0303U

Features

Excellent phase& amplitude balance
Low Insertion Loss& VSWR
High Isolation

Technical Data Sheet			
Frequency Range	328~335.5MHz	Finish	Painted Blue_ RAL #5007
Insertion Loss	≤1.20dB	Connector Body	Passivated Stainless Steel
VSWR	≤1.20:1	Housing	Aluminum, 6061 T6 Clear Chem Conversion Film
Isolation	≥22dB	Connector Pin	Beryllium Copper, Gold Plate
Amplitude Balance	≤±0.2dB@331.75MHz	Solder	Lead Free, RoHS Compliant
Phase Balance	≤±2°@331.75MHz	Operating Temperature	-50～+85℃
[1]Power Handling	Forward ≤15Watt; Reversed ≤1Watt	Operating Humidity	Up to 95%,Non- Condensing
Impedance	50Ω	Hermetically sealed	Yes
Port Connectors	TNC-Female	Weight	1250g

[1]Power Handling guaranteed when load's VSWR within 1.50:1.

Specification Table

Port	Power Ratio	Magnitude(dB)	Phase(degree)
J1	1	-5.05	0
J4	0.75	-6.30	-18
J3	0.3	-10.28	-35
J6	0.05	-18.06	-52
J5	0.75	-6.30	+18
J2	0.3	-10.28	+35
J7	0.05	-18.06	+52

TAP MW CO., LTD
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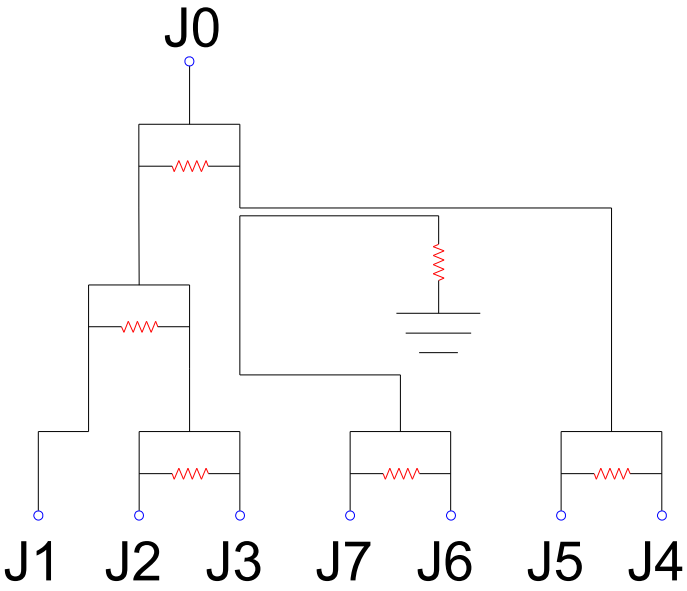
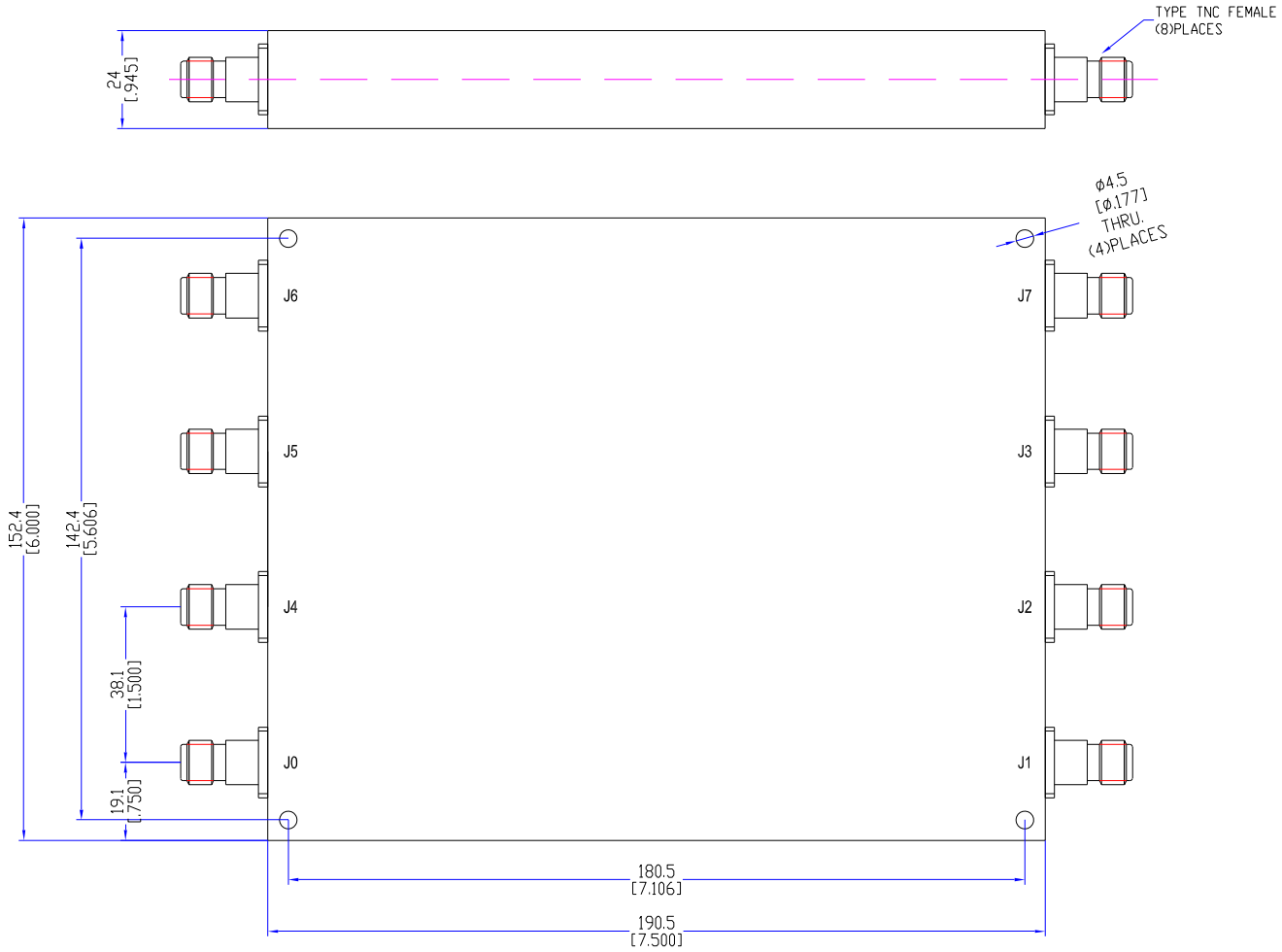
Schematic



Outline Drawing

Tolerance: ±0.2mm



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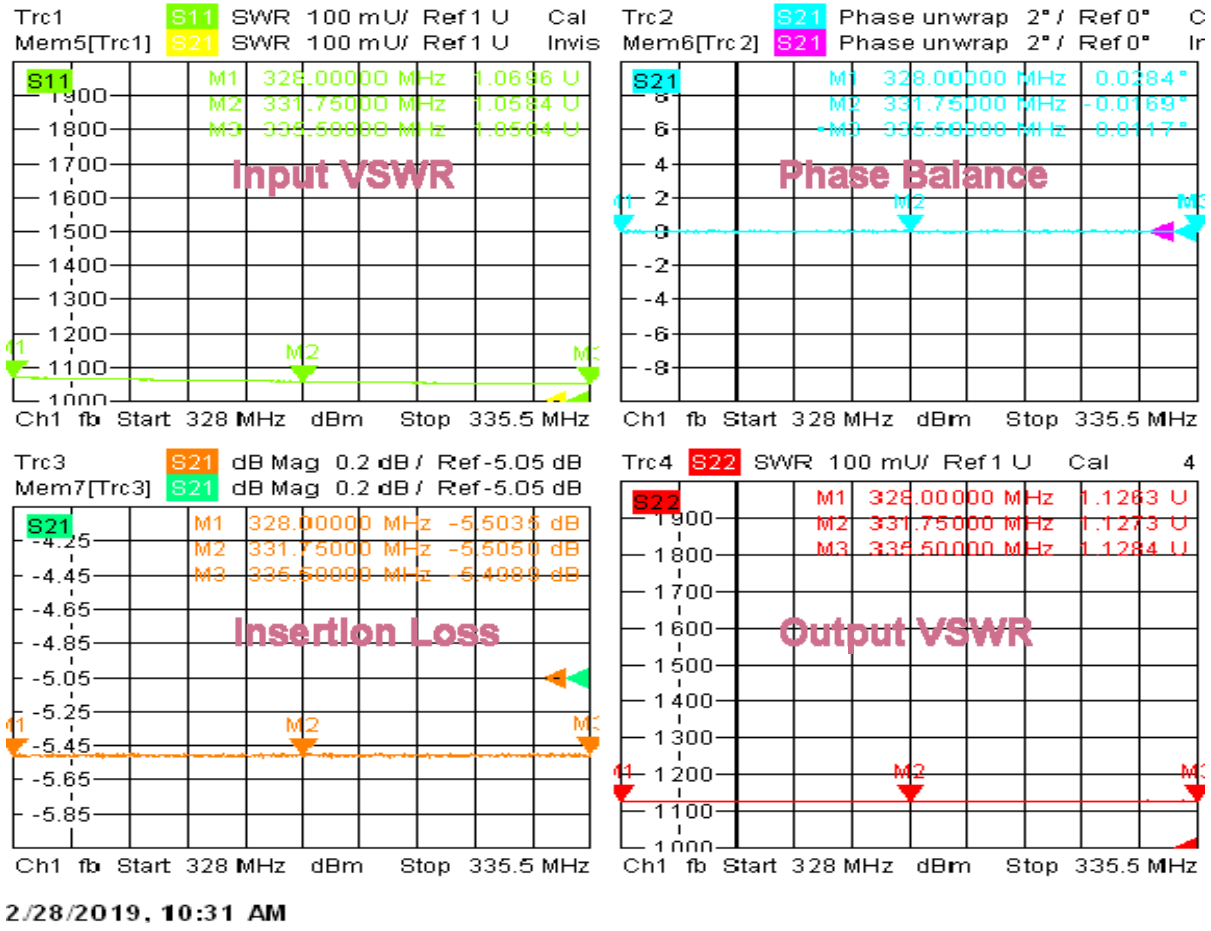
J0 to J1_ Input& Output VSWR, Insertion Loss, Phase Balance



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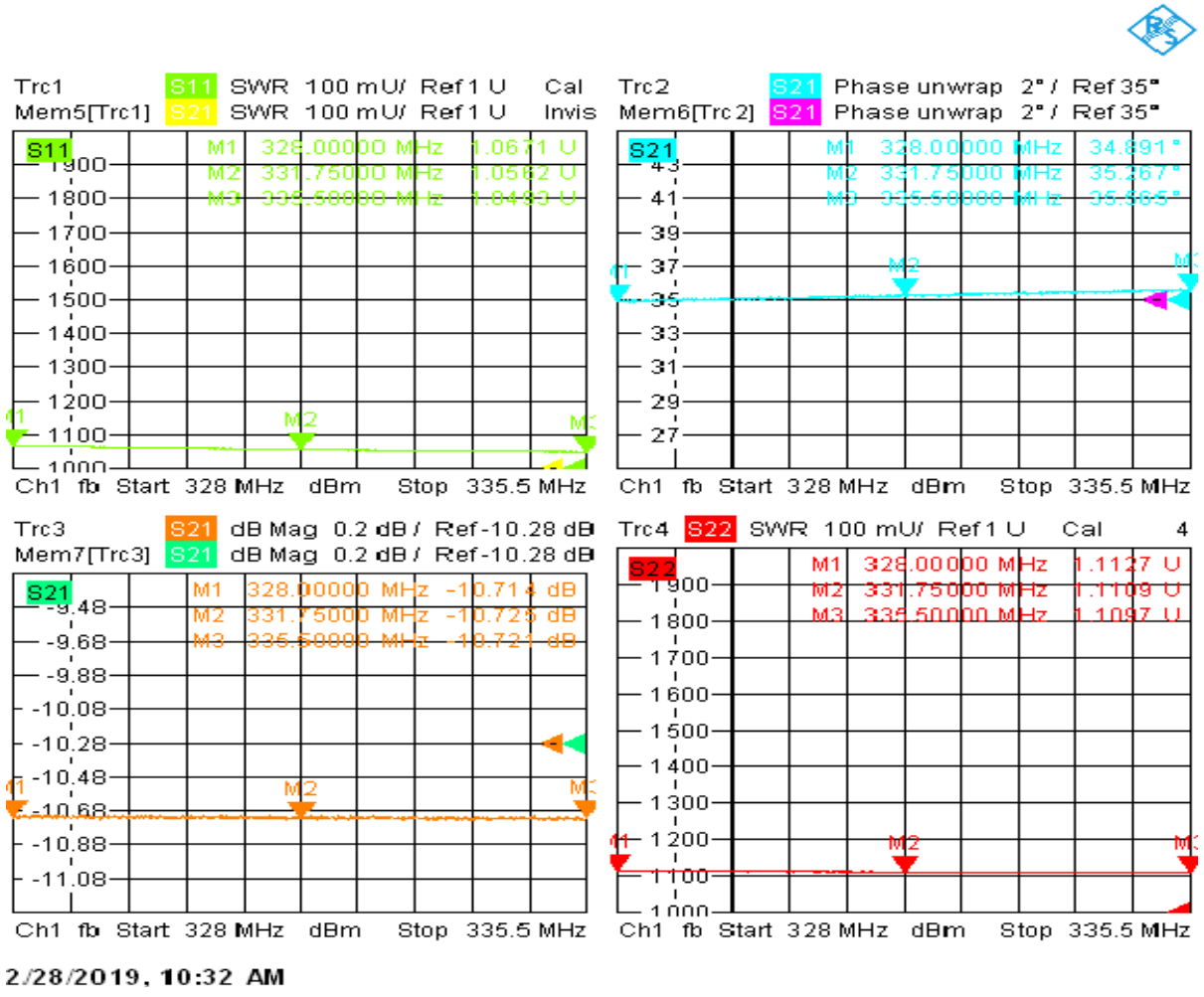
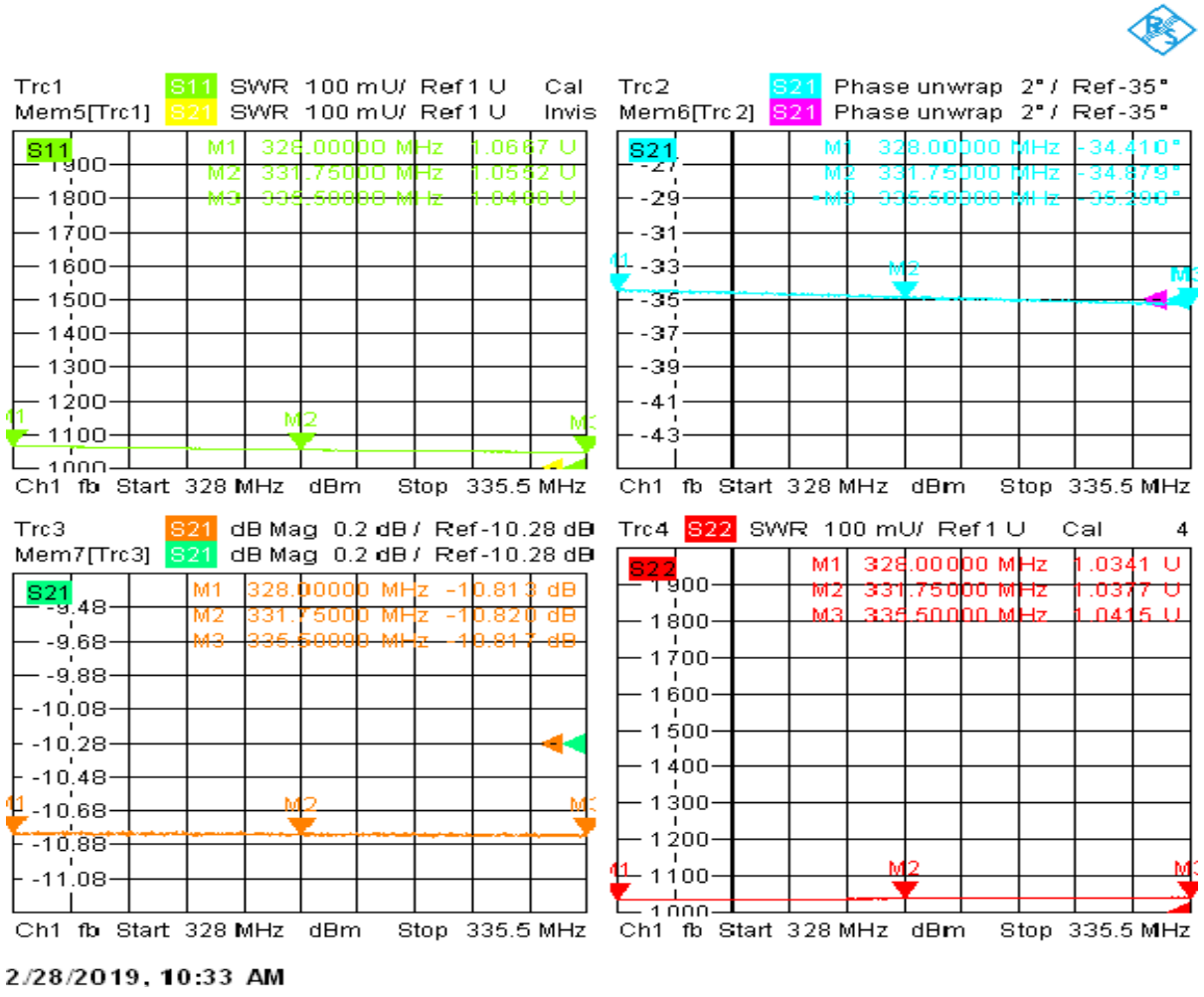
J0 to J2_ Input& Output VSWR, Insertion Loss, Phase Balance



J0 to J3_ Input& Output VSWR, Insertion Loss, Phase Balance



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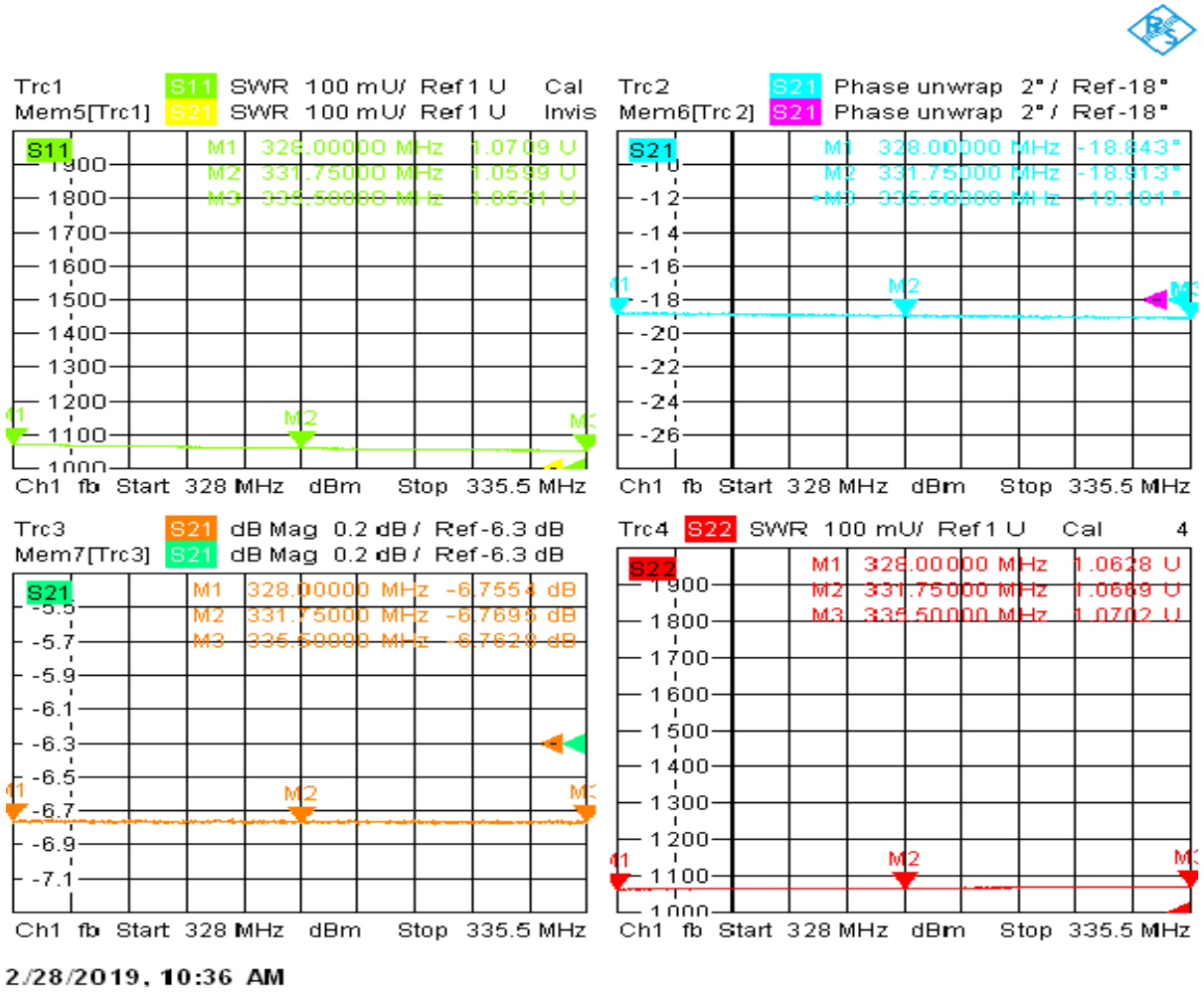
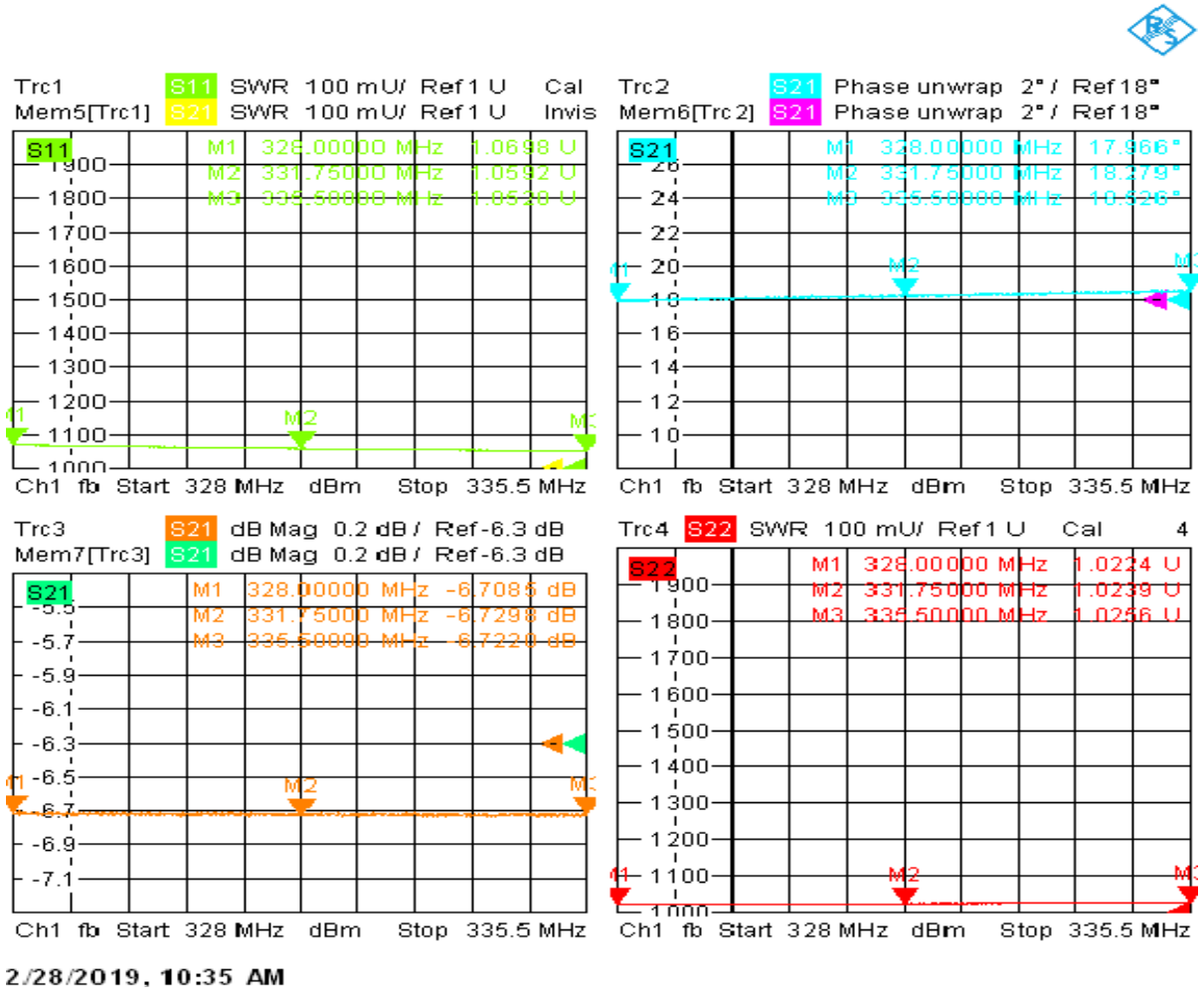
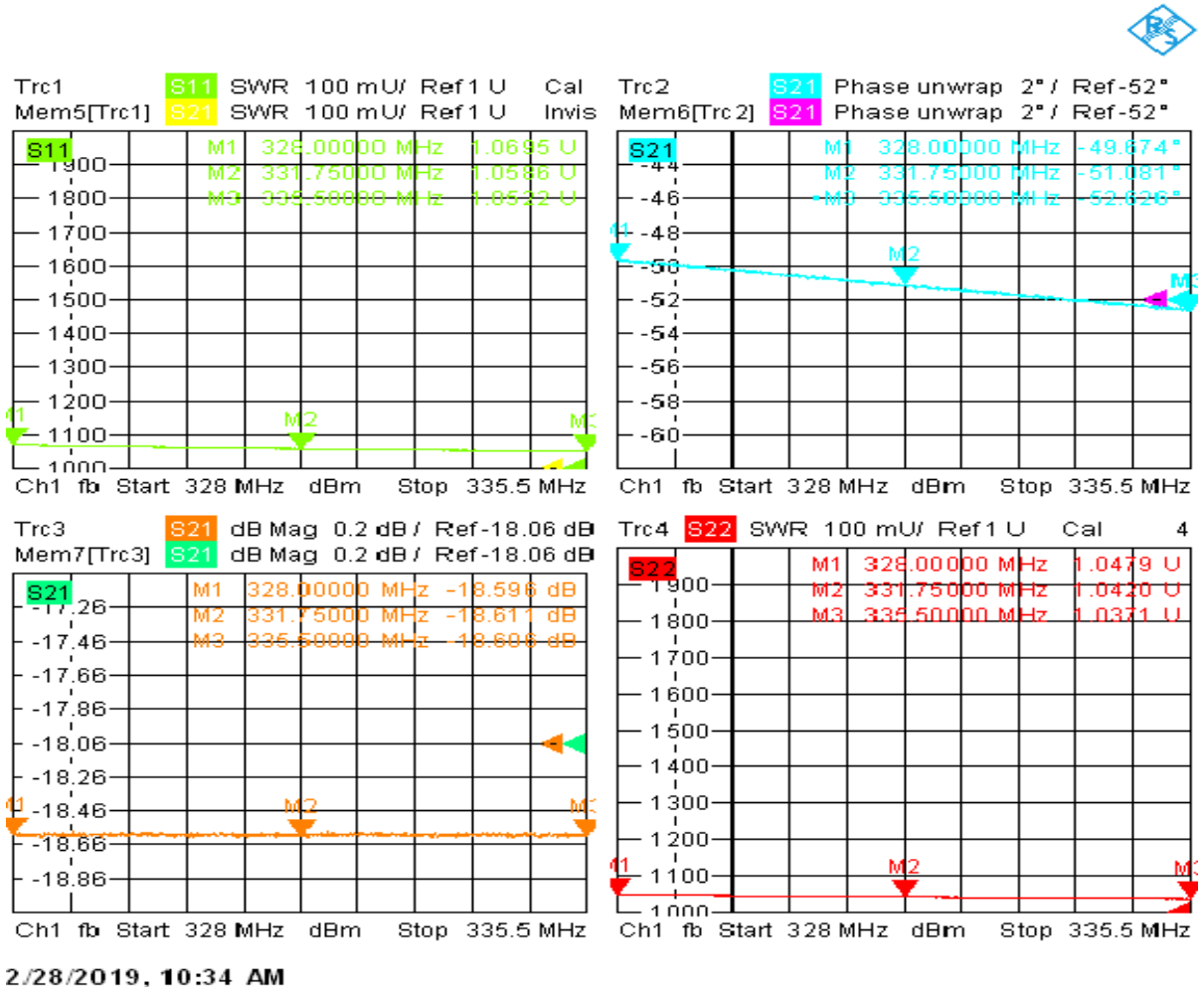
J0 to J7_ Input& Output VSWR, Insertion Loss, Phase Balance



J0 to J6_ Input& Output VSWR, Insertion Loss, Phase Balance



J0 to J5_ Input& Output VSWR, Insertion Loss, Phase Balance



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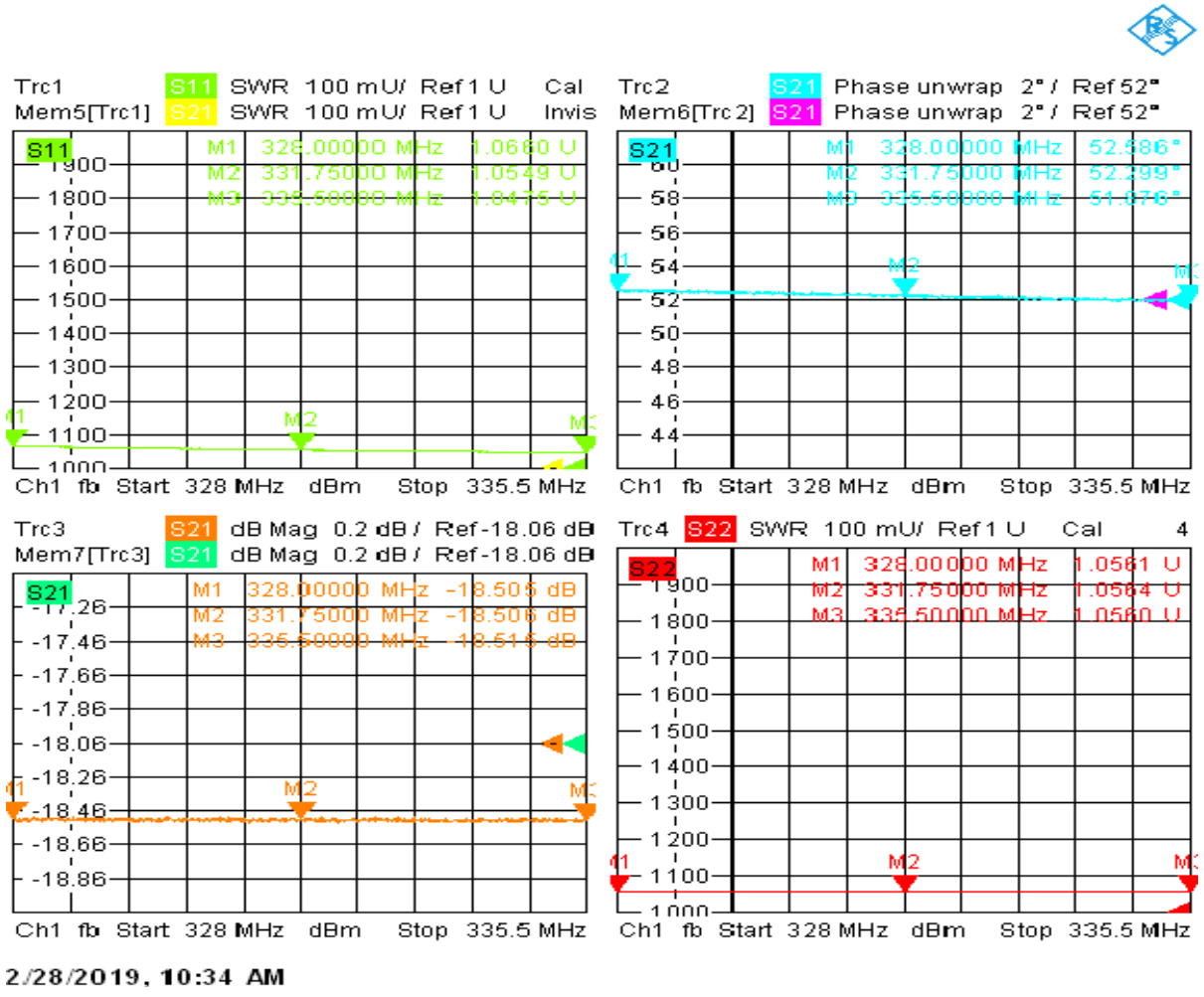
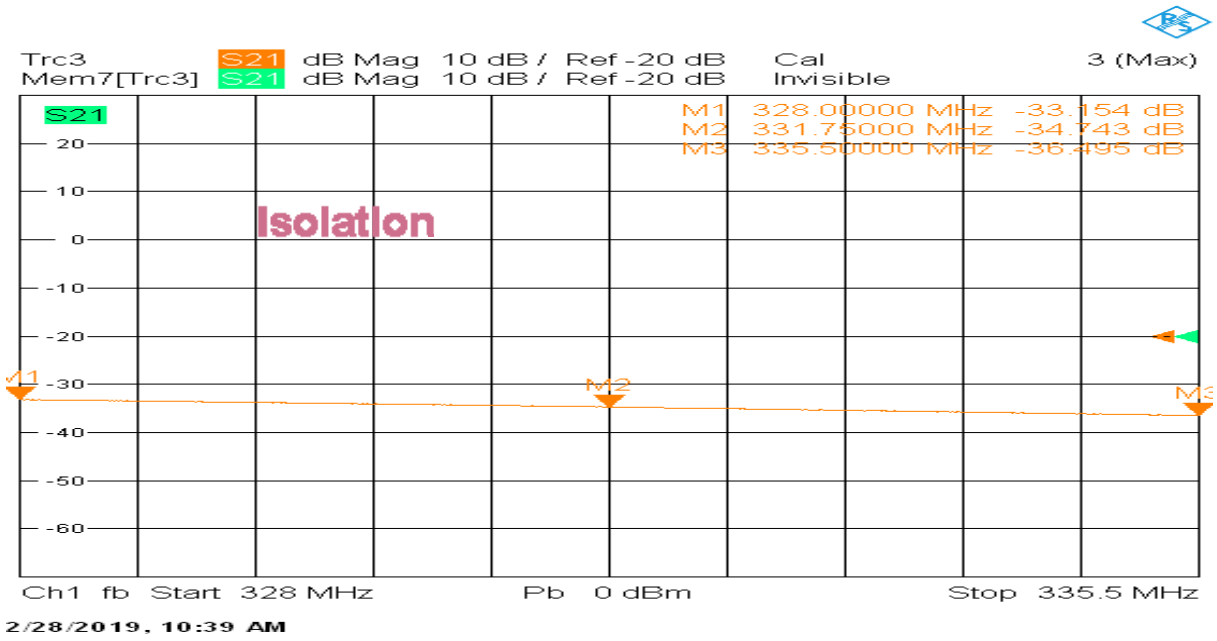
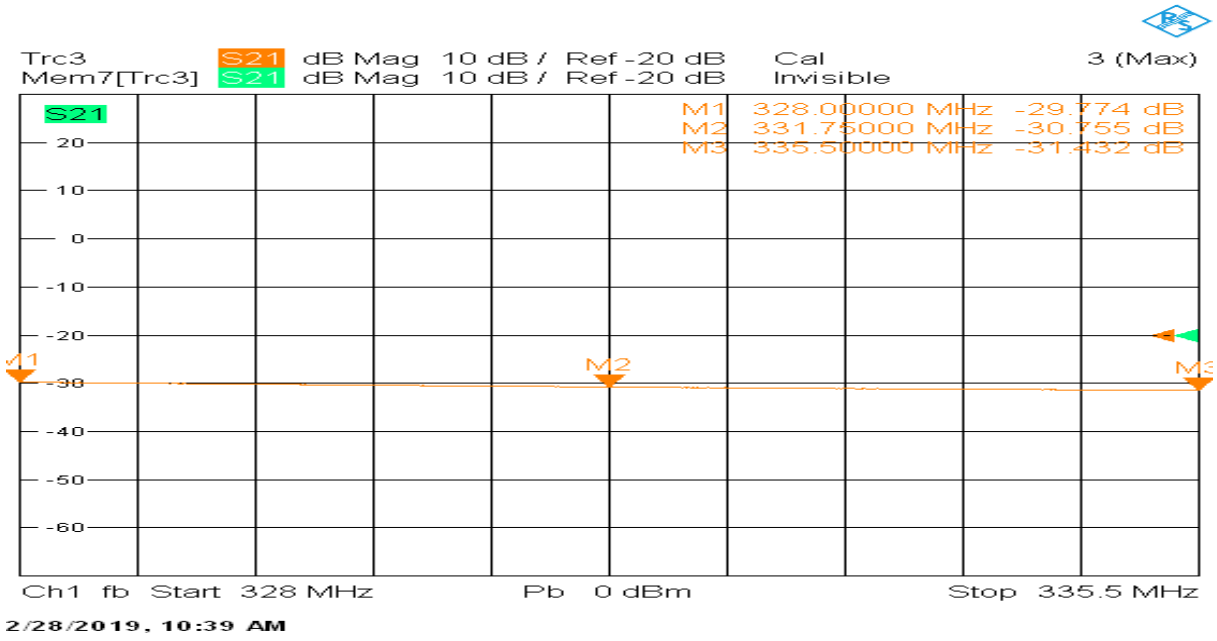
J0 to J4_ Input& Output VSWR, Insertion Loss, Phase Balance



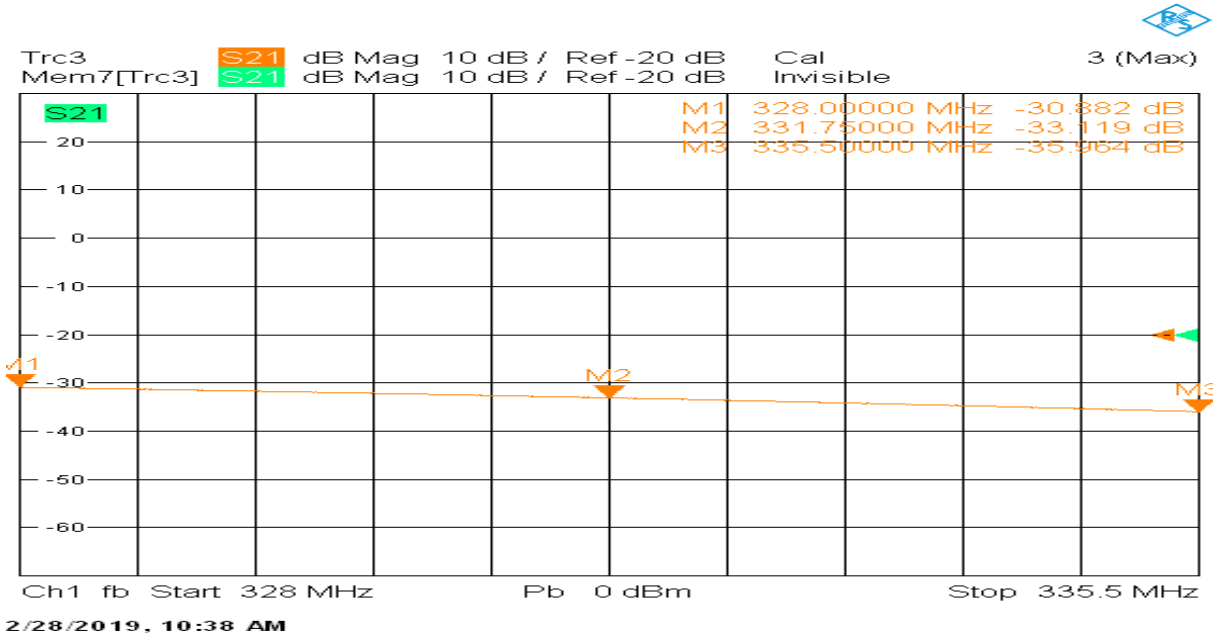
J1to J2_ Isolation



J2to J3_ Isolation



J6to J7_ Isolation



J4to J5_ Isolation