

Model THC3035U

Electrical Specifications

Frequency Range	3.0~3.5GHz
Insertion Loss	≤6.8dB
Amplitude Balance	≤±0.4dB
Phase Balance	≤±5°
Isolation	≥25dB
VSWR	≤1.25:1
Power Handling	Average ≤10Watt ; Peak ≤0.1KW
Impedance	50Ω
Port Connectors	SMA-Female
Surface Color	Silvery White

Phase Relationship

A to ELΔ	A to AZΣ	A to ΔQ	A to AZΔ
0°	-90°	-180°	-270°
D to ELΔ	D to AZΣ	D to ΔQ	D to AZΔ
0°	90°	180°	270°

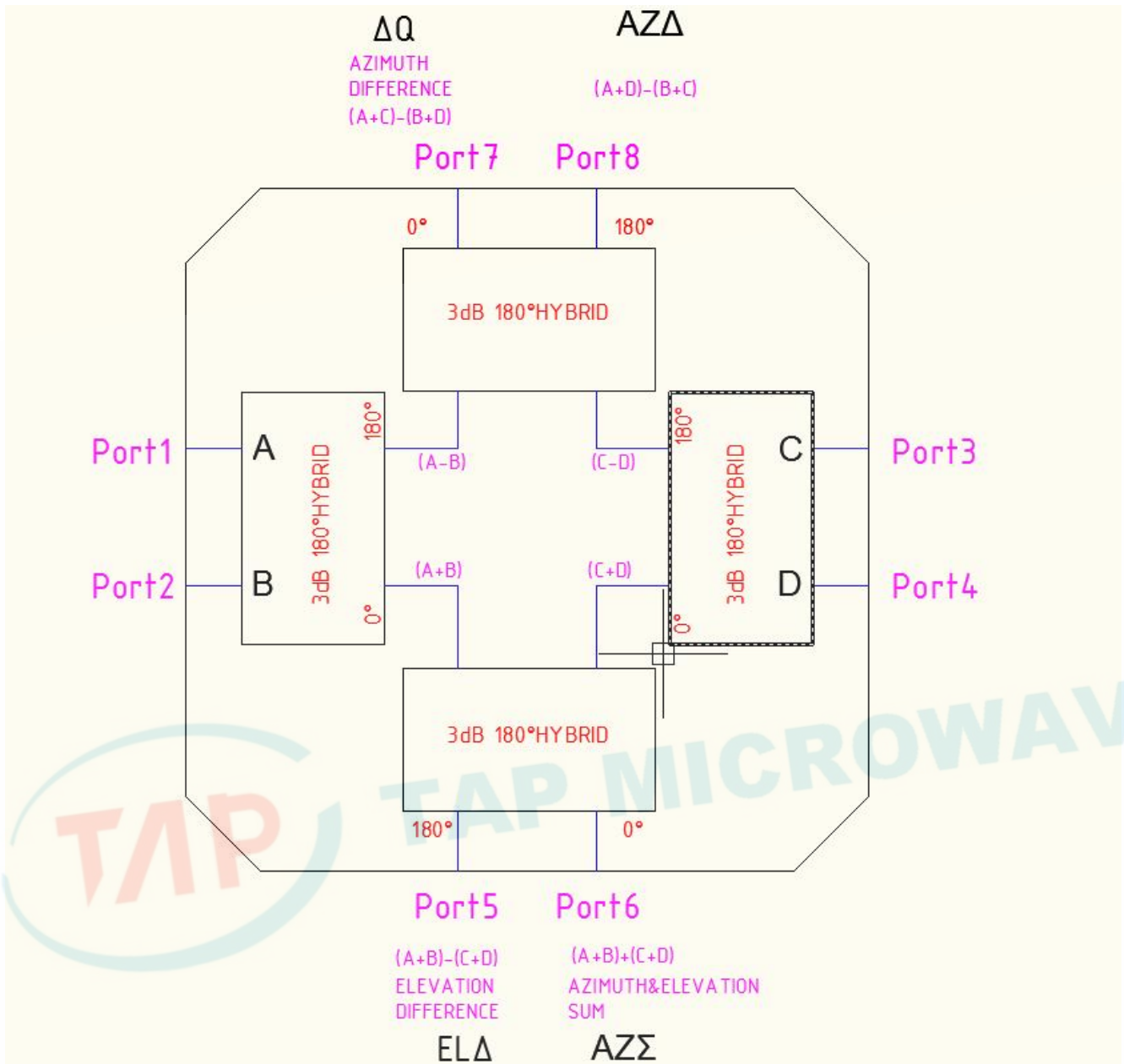
Environmental Parameters

Operating Temperature -55~+85°C

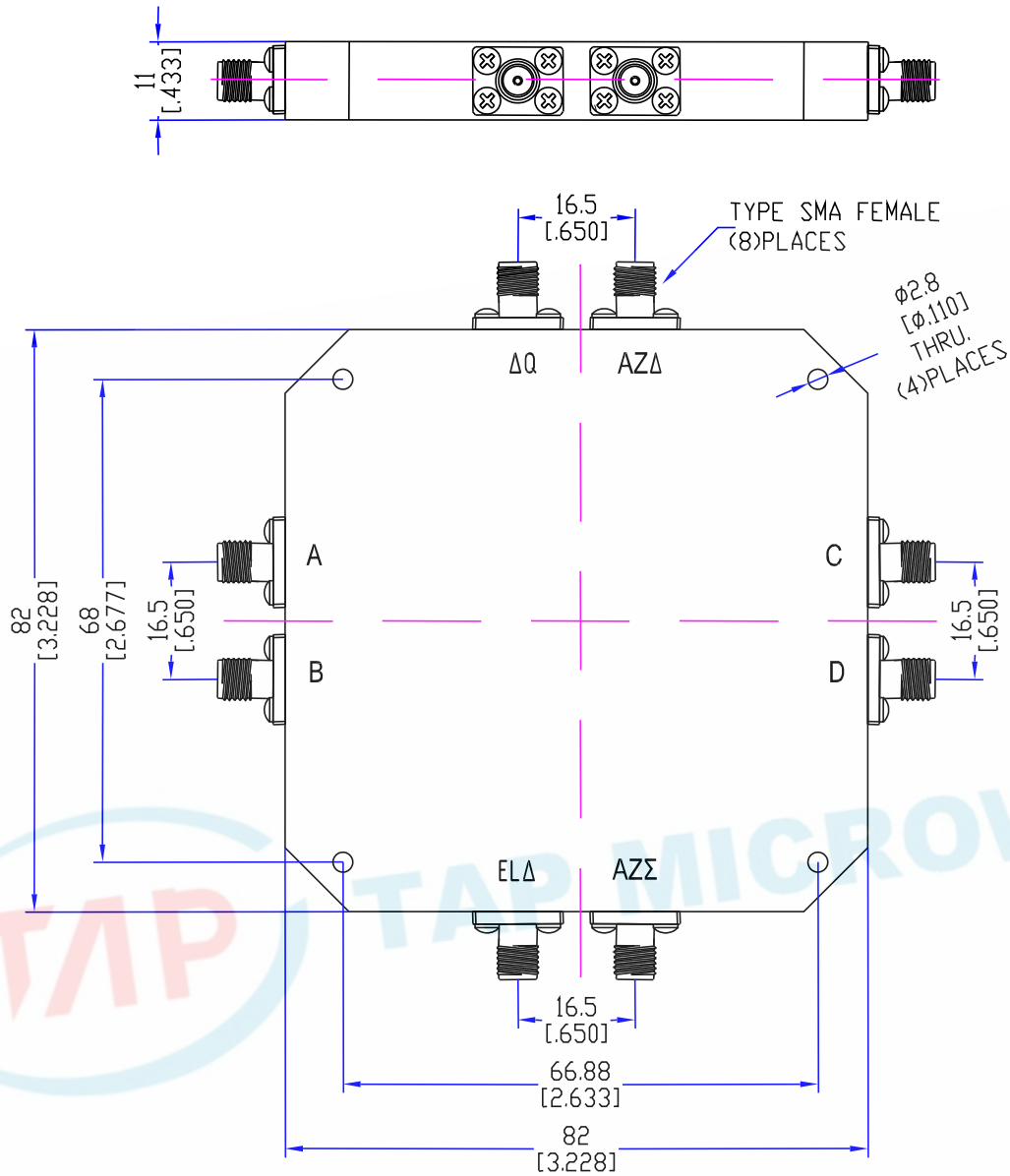
Operating Humidity Up to 90%,Non- Condensing



Schematic

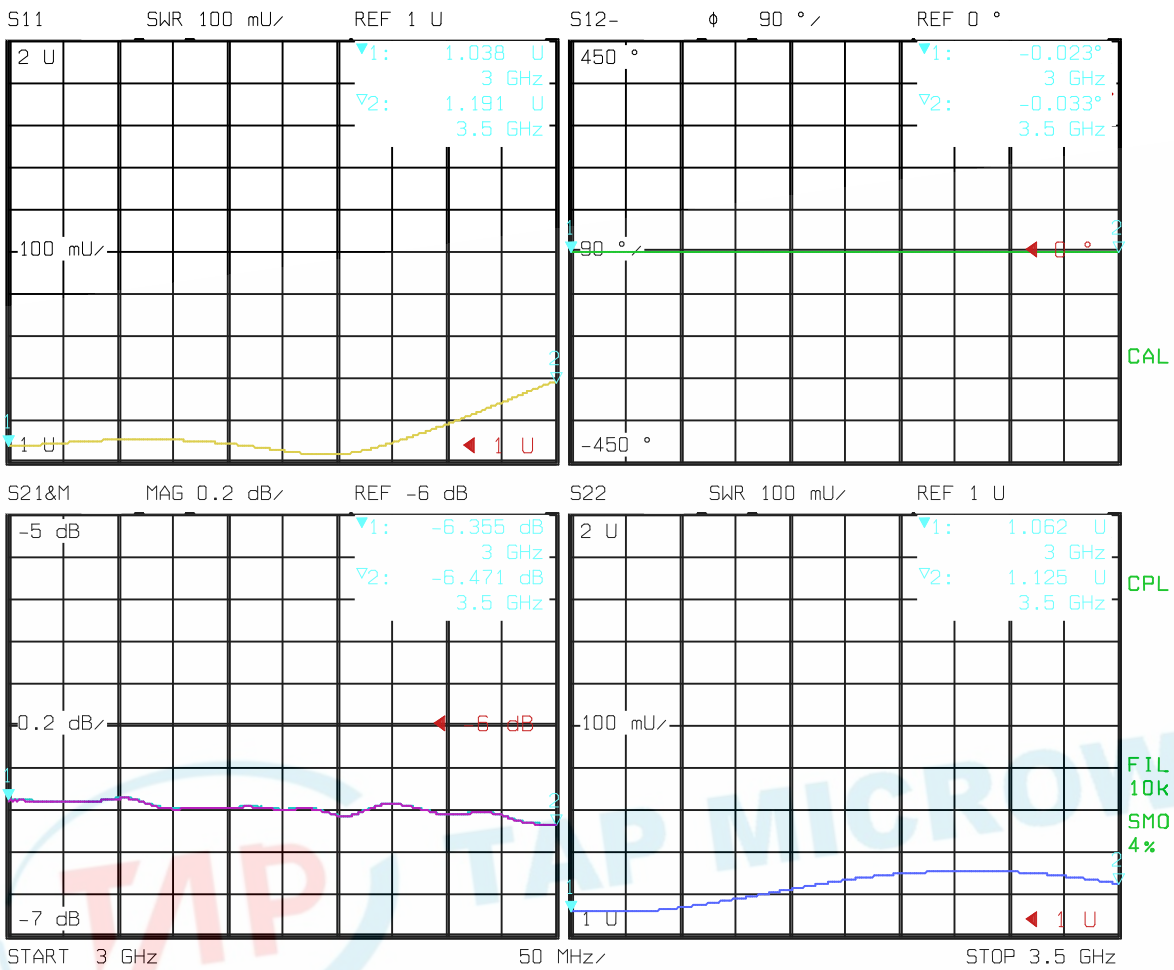


Outline Drawing



THC3035U 3.0-3.5GHz Monopulse Comparator test plots

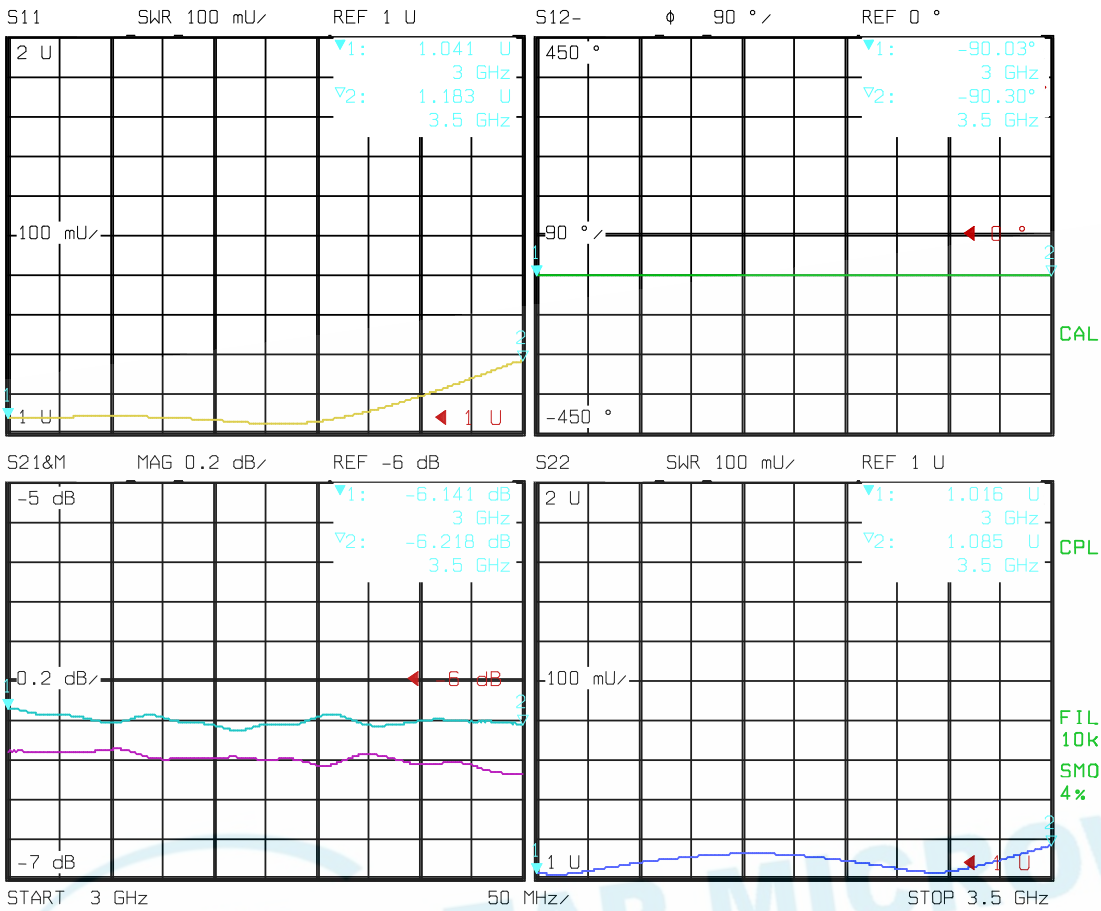
J1 to J5_VSWR, Insertion Loss, Phase Balance & Amplitude Balance



Date: 17.MAY.16 19:06:26



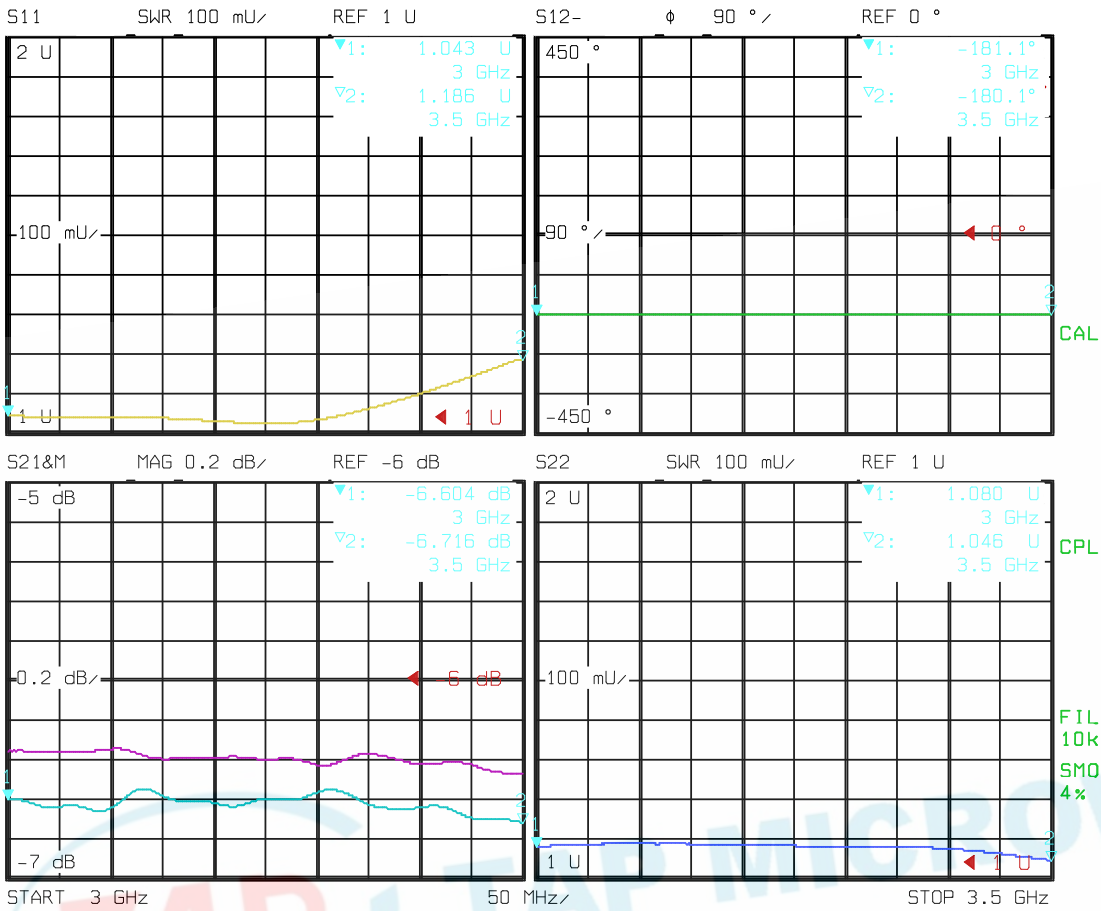
J1 to J6_VSWR, Insertion Loss, Phase Balance & Amplitude Balance



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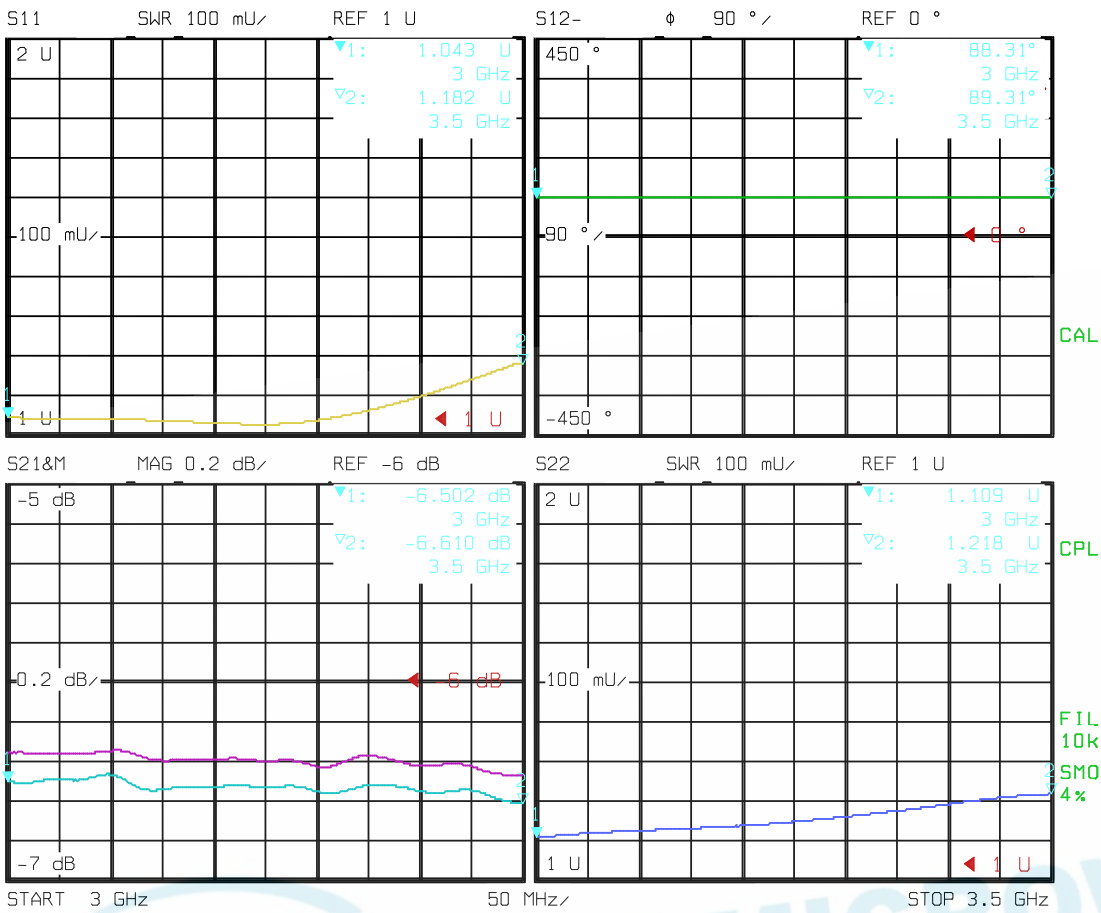
J1 to J7_ VSWR, Insertion Loss, Phase Balance & Amplitude Balance



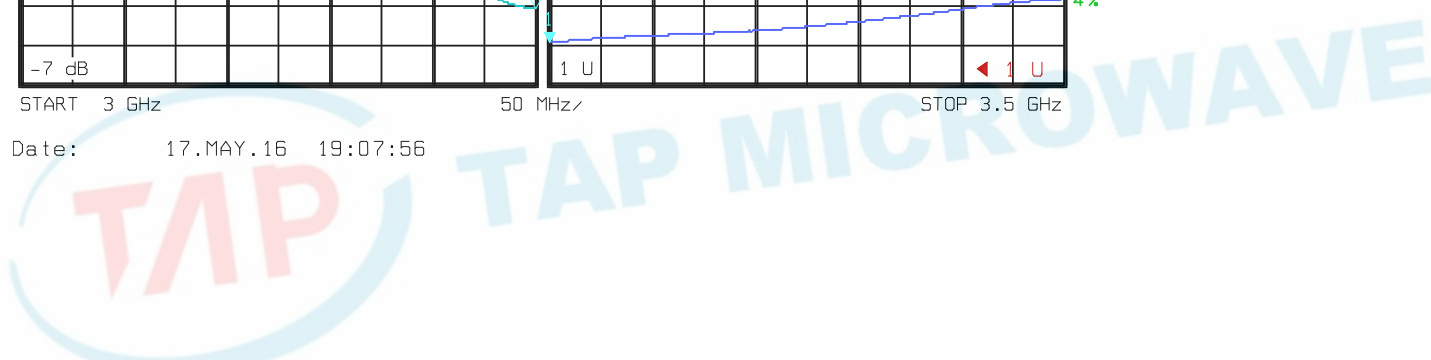
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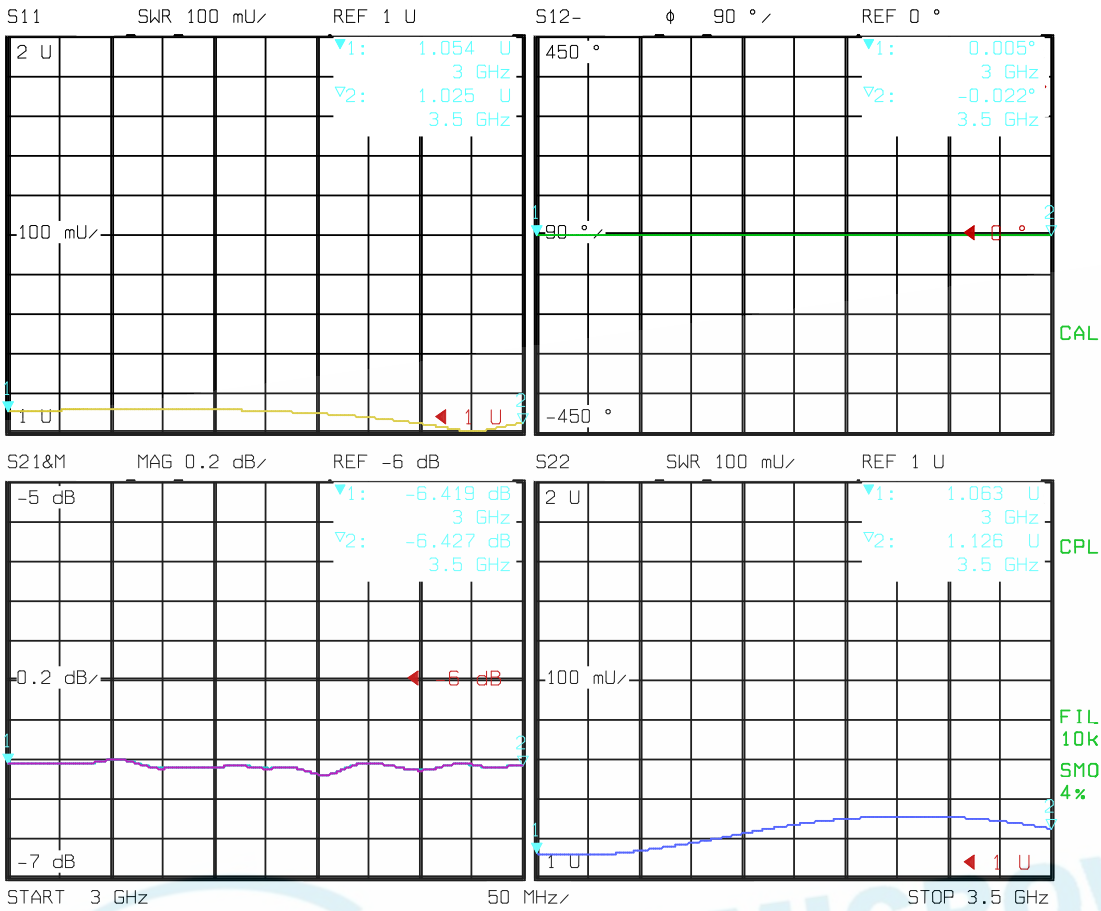
J1 to J8__VSWR,Insertion Loss, Phase Balance & Amplitude Balance



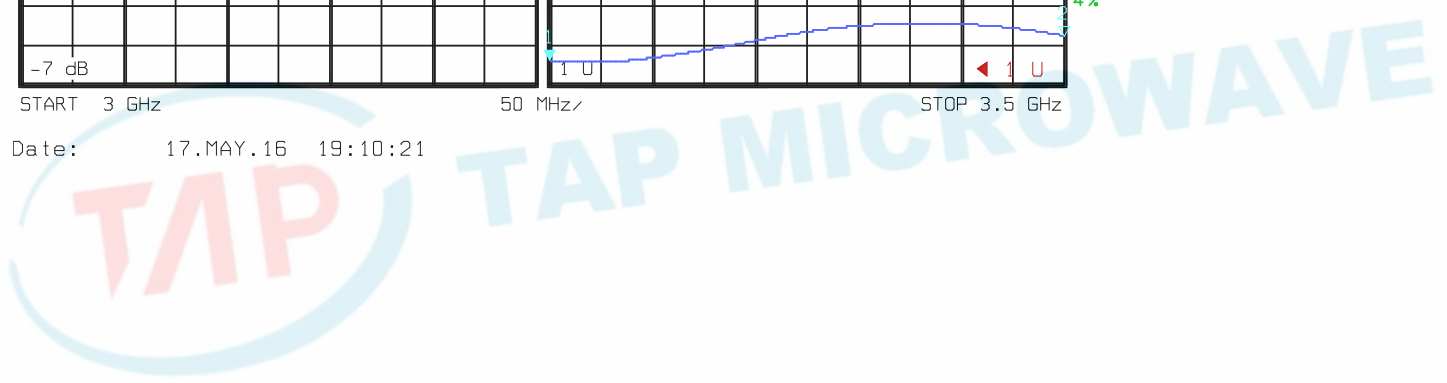
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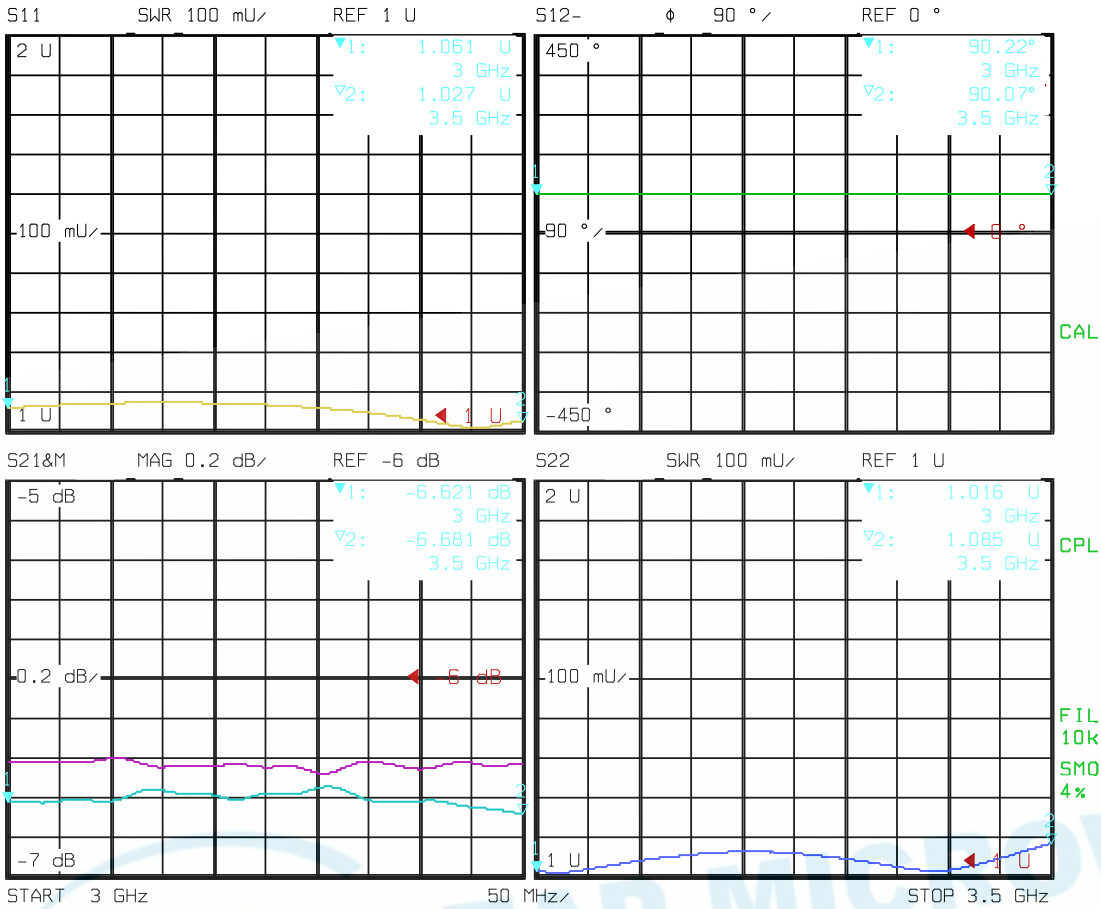
J4 to J5_VSWR, Insertion Loss, Phase Balance & Amplitude Balance



Date: 17.MAY.16 19:10:21



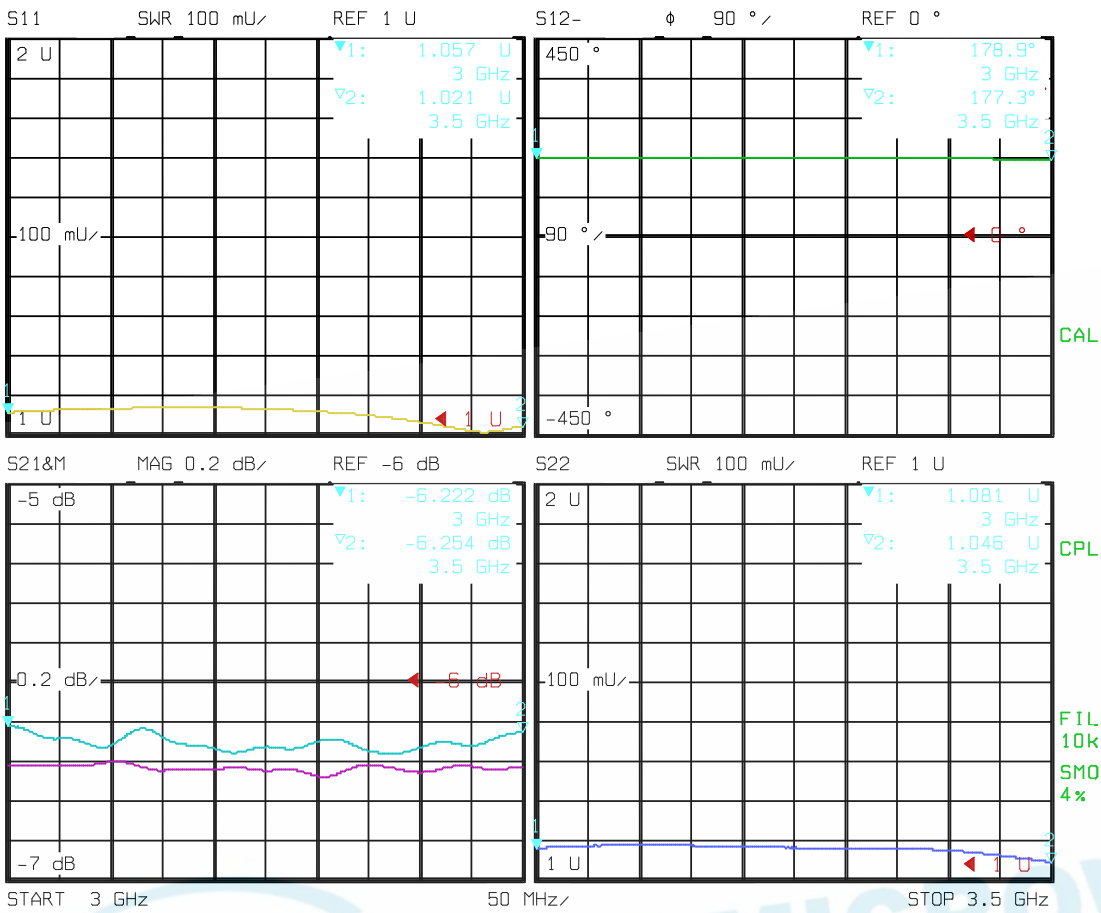
J4 to J6_VSWR, Insertion Loss, Phase Balance & Amplitude Balance



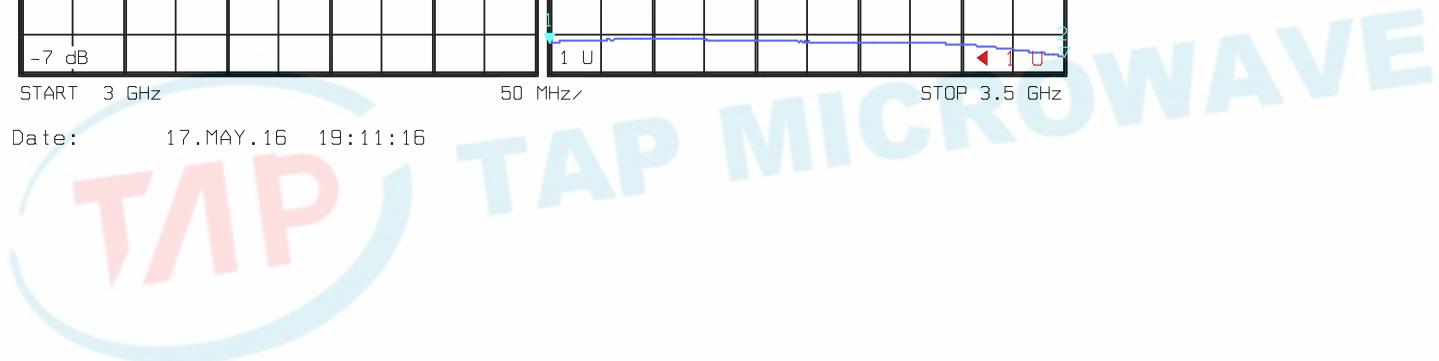
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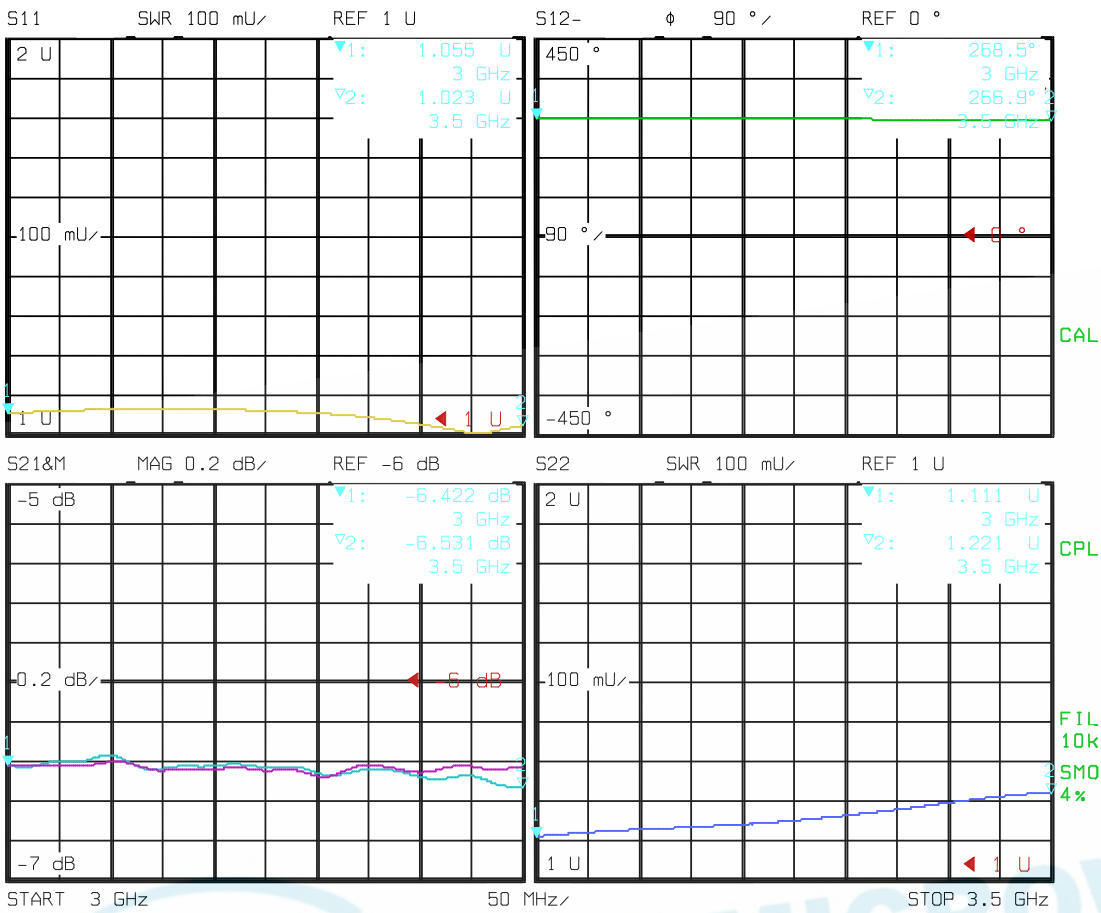
J4 to J7_VSWR, Insertion Loss, Phase Balance & Amplitude Balance



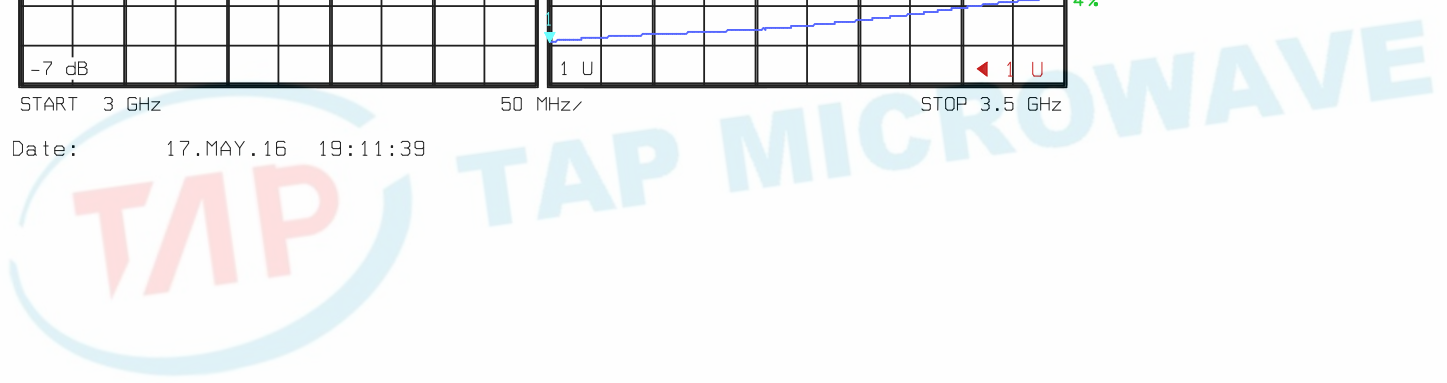
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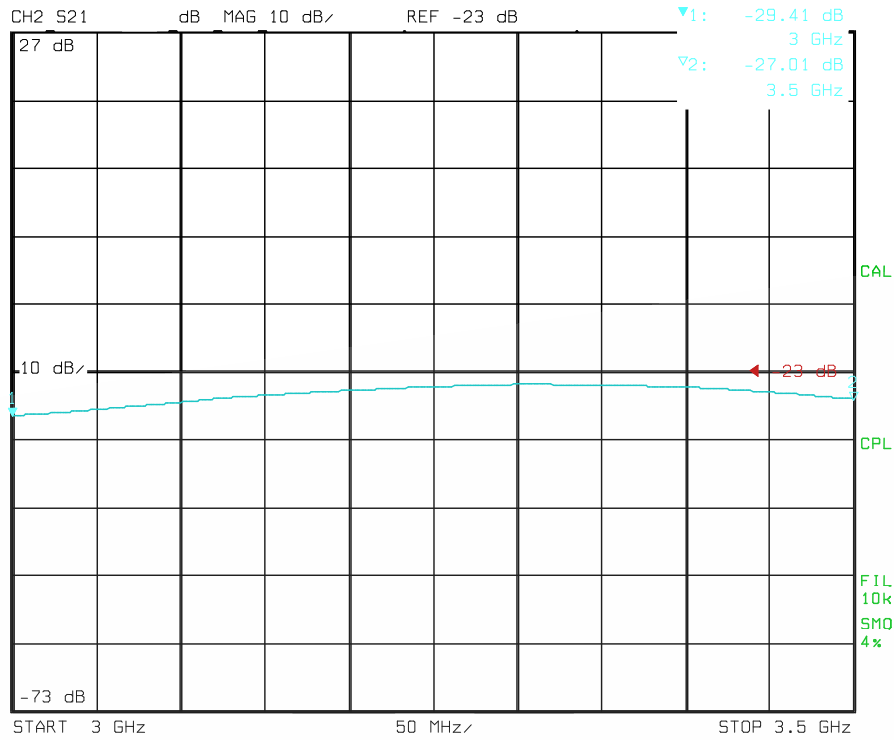
J4 to J8_VSWR, Insertion Loss, Phase Balance & Amplitude Balance



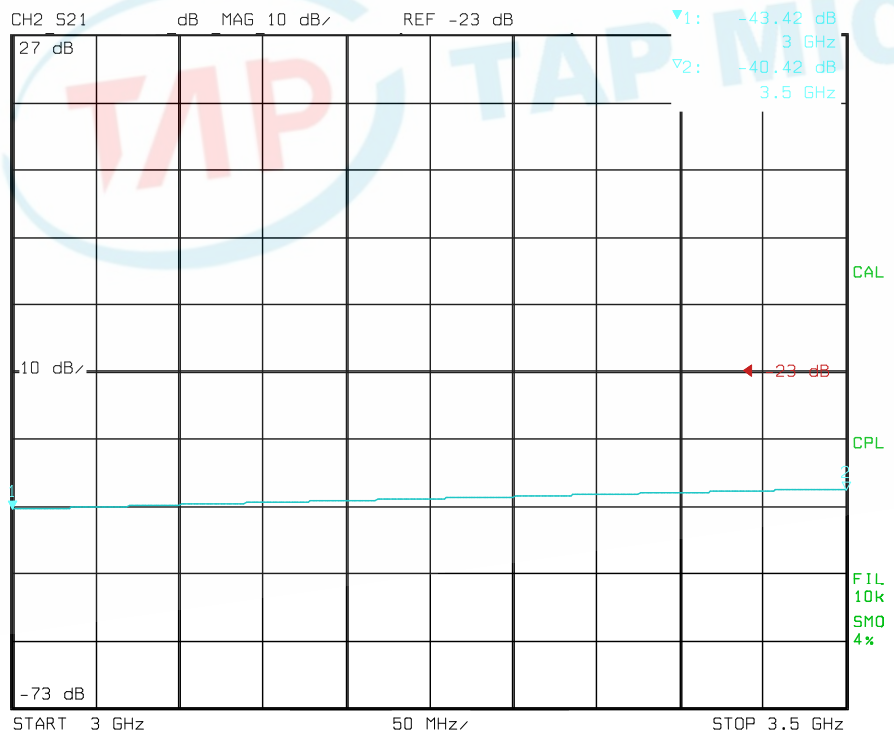
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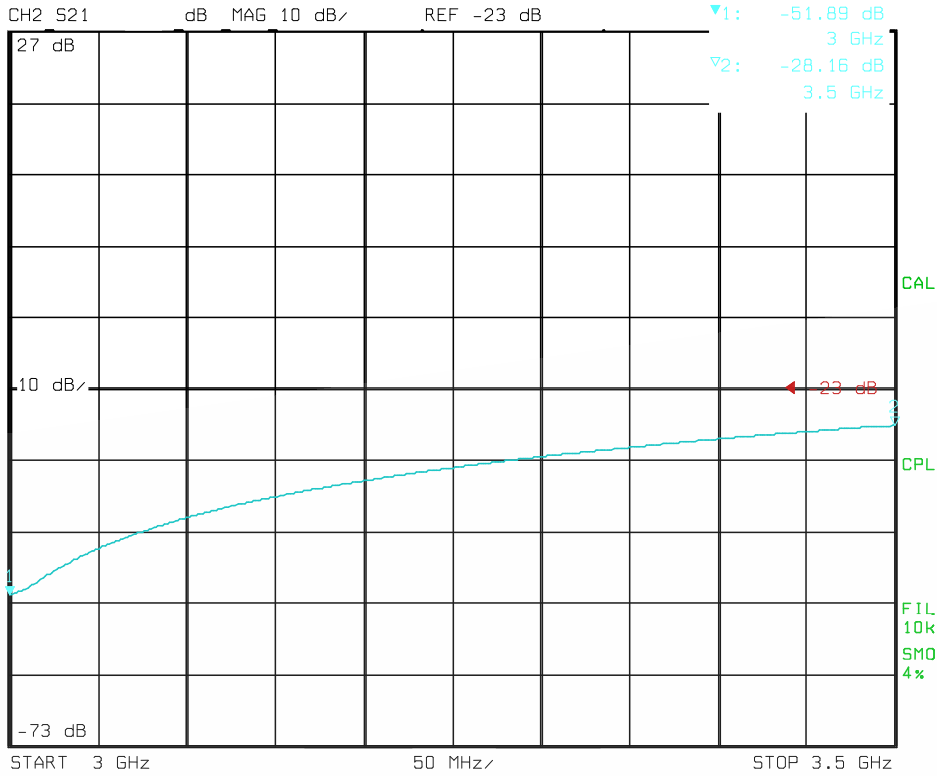
J1 to J2__Isolation



J1 to J3__Isolation

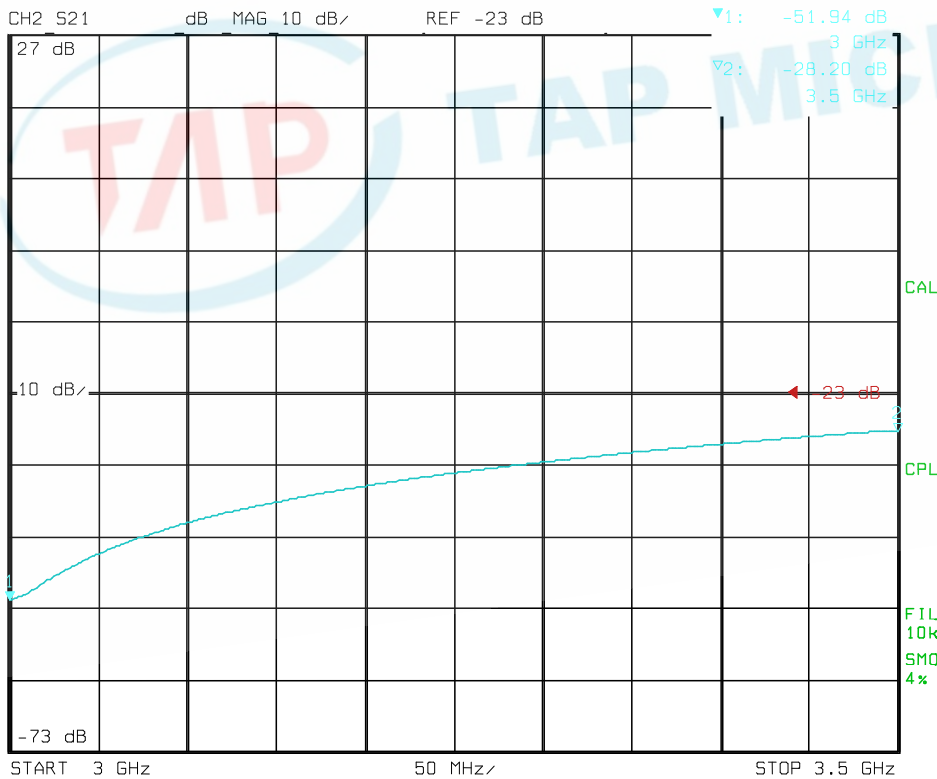


J1 to J4 Isolation



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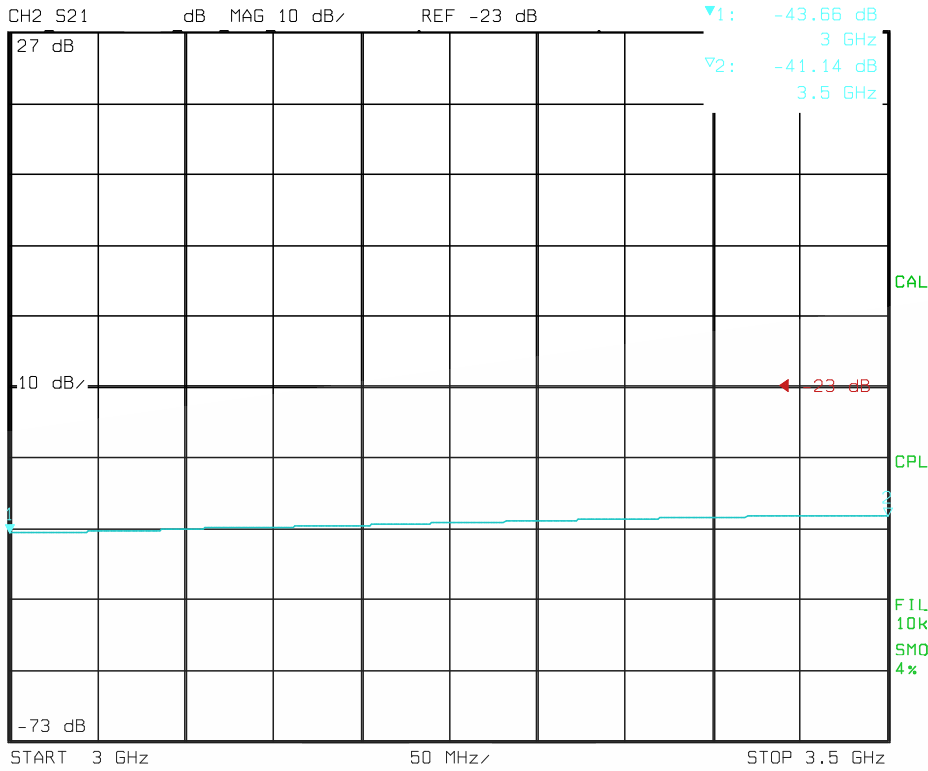
J2 to J3 Isolation



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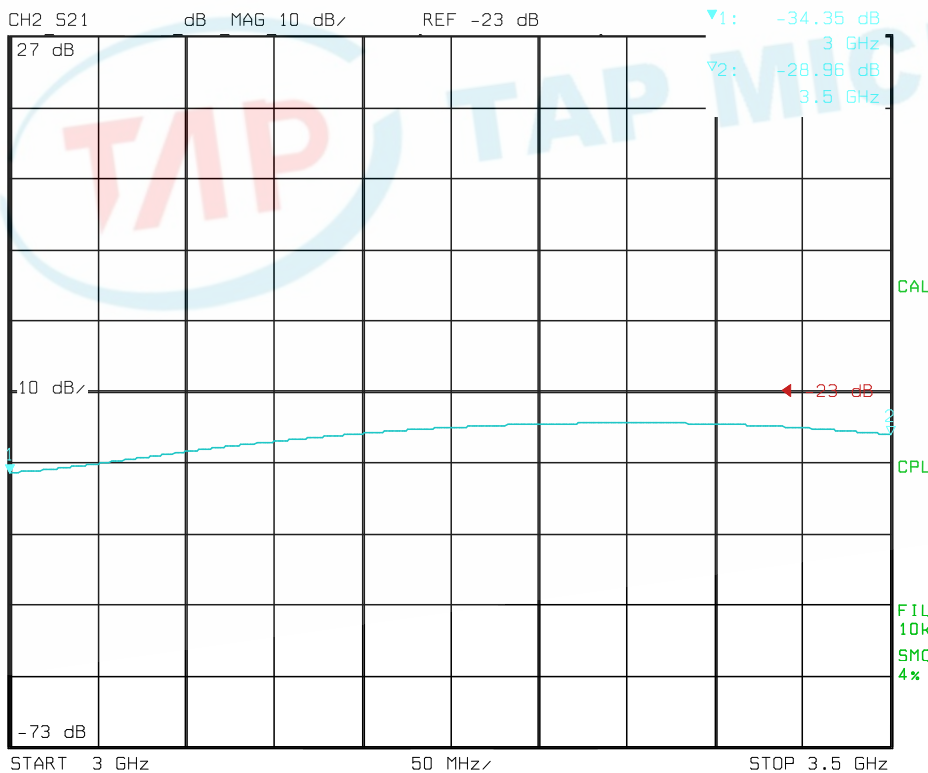


J2 to J4_ Isolation



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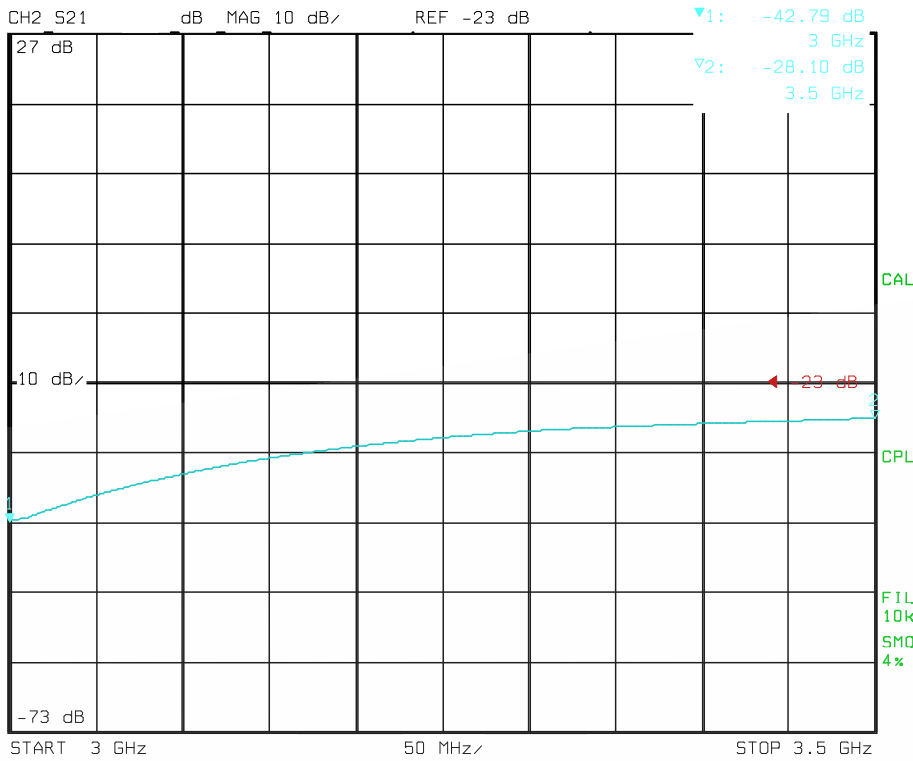
J3to J4_ Isolation



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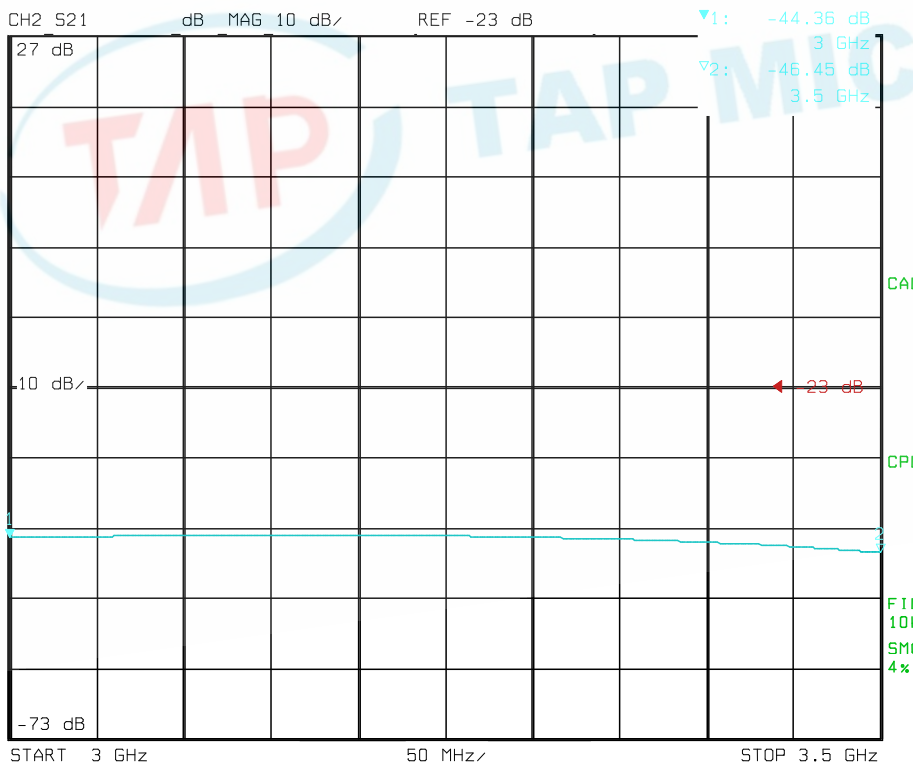


J5 to J6__Isolation



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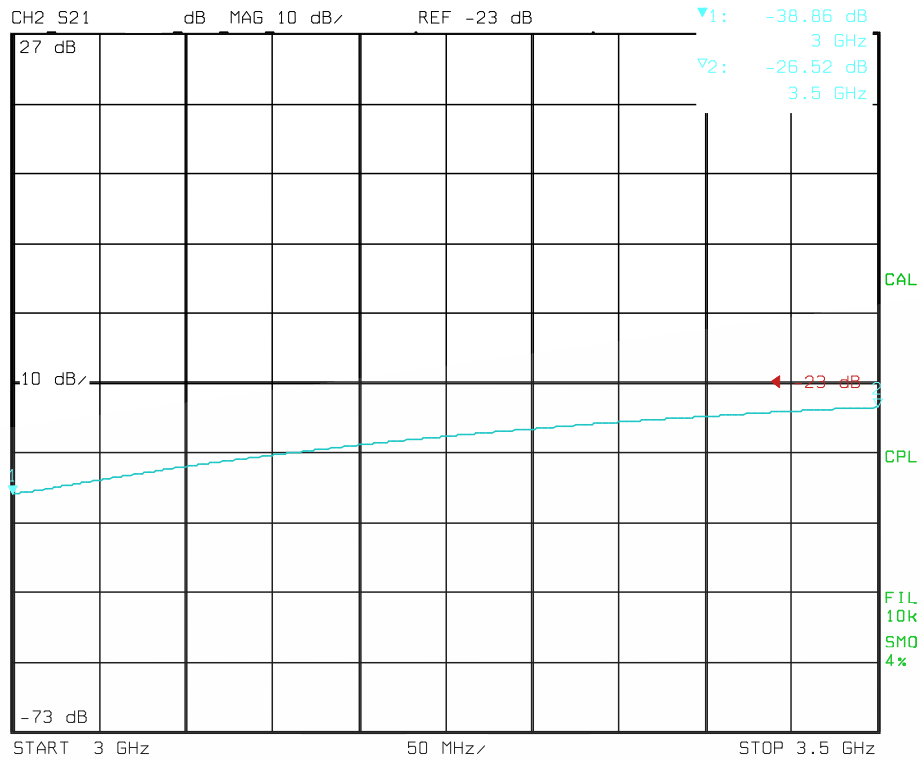
J5 to J7__Isolation



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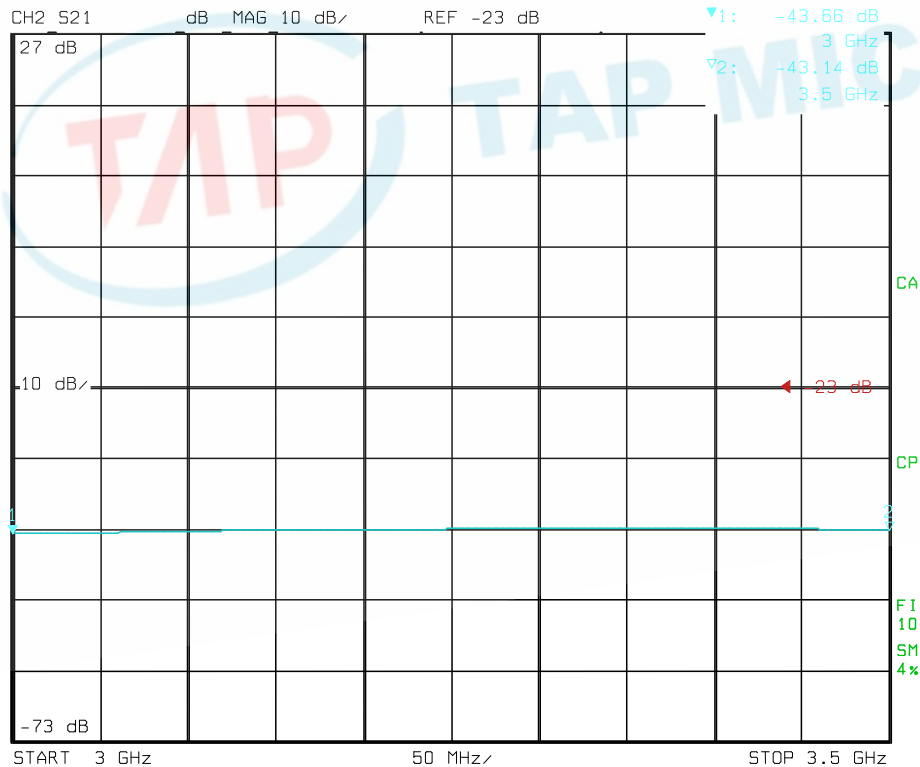


J5 to J8__Isolation



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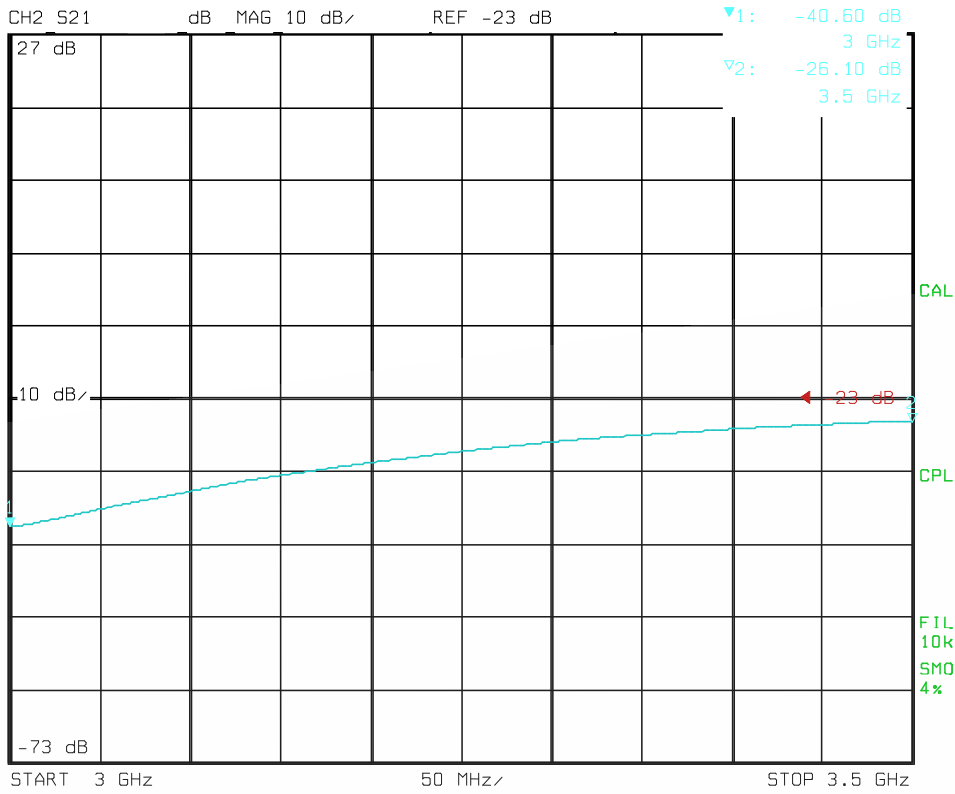
J6 to J8__Isolation



Date: 17.MAY.16 20:28:47



J7 to J8__Isolation



Date: 17.MAY.16 20:27:14

