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PROGRAMMABLE ATTENUATOR
MVE2P18-100

0.001 to 6GHz
4/4 CHANNEL
0-100dB

Features

- ✓ High Attenuation levels up to 100dB
- ✓ Step Resolution of 0.25dB
- ✓ Small Size, High Accuracy

Specifications

PART NUMBER	FREQUENCY	ATTENUATION RANGE	VSWR	CONNECTOR TYPE	CONTROL	SWITCHING SPEED
MVE2P18-100	0.001-6GHz	0-100dB	2.1:1 MAX. 1.5:1 TYP.	SMA Female	LAN(RJ45)、 USB(TYPE-C)	2us

ATTENUATION ACCURACY
±(0.3+6.5%Att)dB@1MHz-6GHz

RF Input Power
30dBm MAX.

POWER SUPPLY
+5V

IMPEDANCE
50ohm

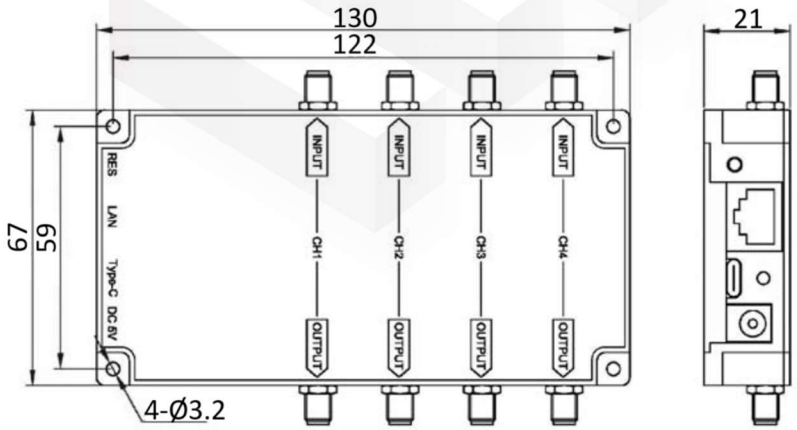
INSERTION LOSS
14dB @ 1MHz-6GHz MAX.

ENVIRONMENTAL
OPERATING TEMPERATURE : -20℃ TO +70℃

MATERIALS
CONNECTOR: BRASS, NICKLE OR GOLD PLATED
CENCTOR CONDUCTOR: BERYLLIUM BRONZE, GOLD PLATED
BODY: ALUMINUM (Aluminum scratches more easily than more durable materials.), SAND BLASTING

Tolerance: X= ±5%

Outline Drawing (Unit: mm)



NOTES:
1. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME
2. CUSTOMER OUTLINE DRAWING FOR REFERENCE ONLY

RoHS

Transmission Control Protocol:

Configuration Environment

All commands should be typed in halfwidth and should be ended by \r\n

<CR>= Carriage return <LF>= Line feed

Telnet connecting Hardware	Network Cable
TCP port	23
IP Address	Default IP: 192.168.0.7 Netmask :255.255.255.0 broadcast :192.168.0.1

USB connecting Hardware	TYPE-C
Baud Rate	9600
Data Bit	8 bit
Parity Bit	NO
Stop Bit	1

Format

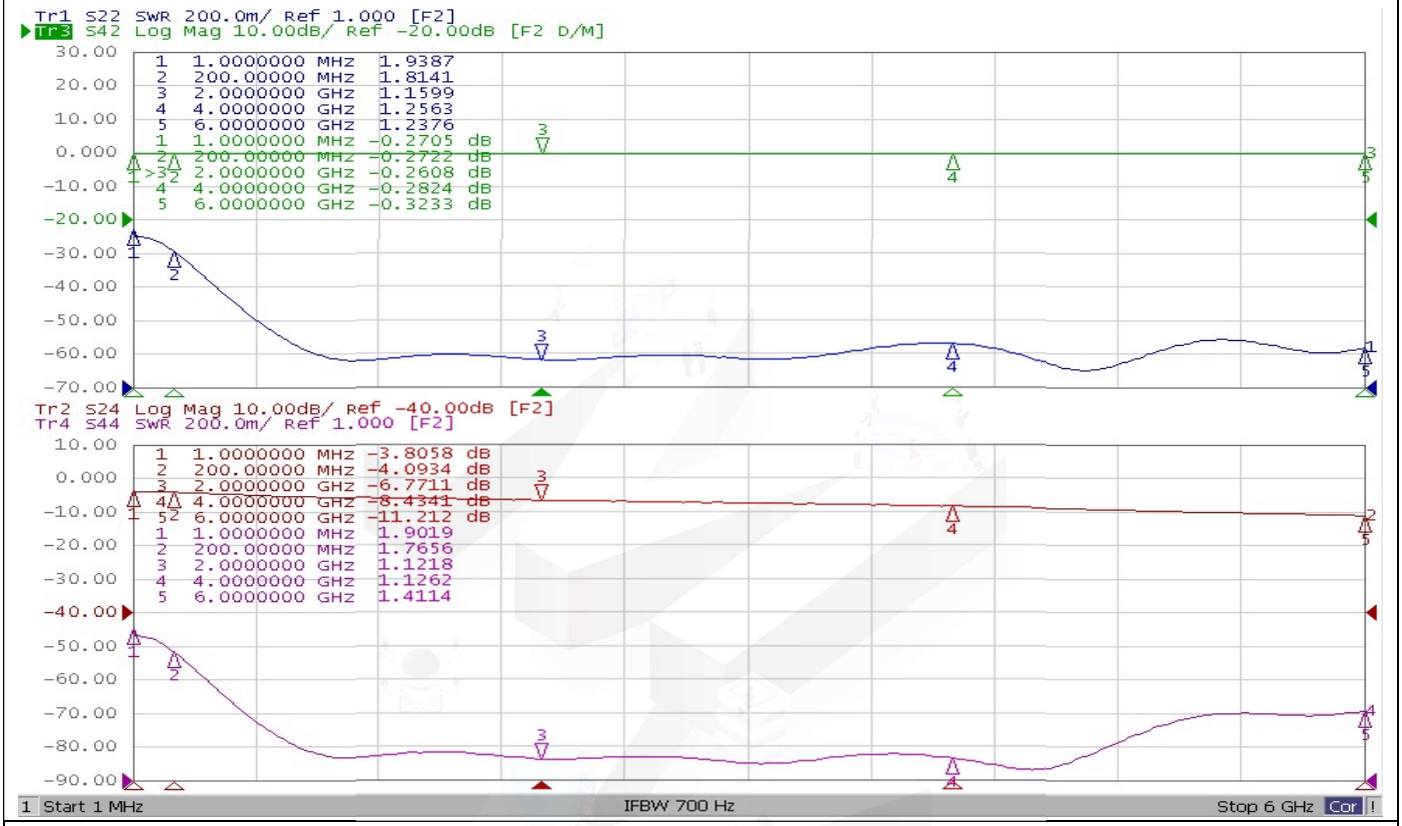
IP SETTING	
Format	SetNETWORK <1>-<2>-<3>-<4>
Description	<1>: IP address <2>: broadcast <3>: netmask <4>: port
Response	SetNETWORK Success
Fail Response	SetNETWORK Fail
Example	SetNETWORK 192.168.1.200-192.168.1.1-255.255.0.0-4001 Response: >>SetNETWORK Success
IP SEARCHING	
Format	LstNETWORK
Response	IP, NETGATE and NETMASK
Fail Response	None
Example	LstNETWORK Response: >>IP:192.168.1.200-NETGATE:192.168.1.1-NETMASK:255.255.0.0-PORT:4001
ATTENIATION SETTING	
Format	SA n m
Description	n: number of attenuation m: attenuation value
Response	>> A1:2;<CR><LF>
Fail Response	>>A1:err;<CR><LF>
Example	SA<space>1<space> 2<CR><LF> Response: >>A1:2;
SITUATION OF CURRENT ATTENUATION	
Format	RA n
Description	n: number of attenuation
Response	>> RA1:2;<CR><LF>
Fail Response	>>RA1:err;<CR><LF>
Example	RA<space>1<CR><LF> Response: >>RA1:10;

Programmable Attenuators System

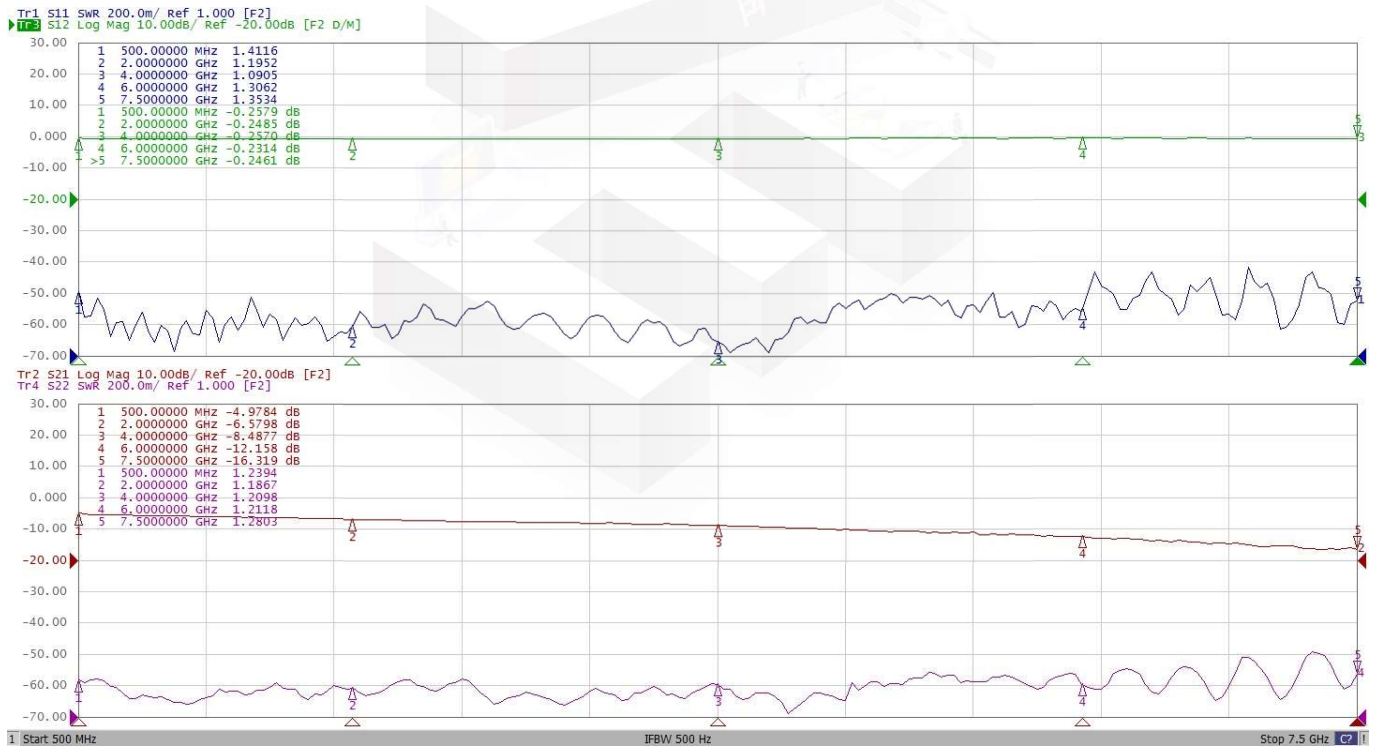
(For reference only)

Typical Test Result

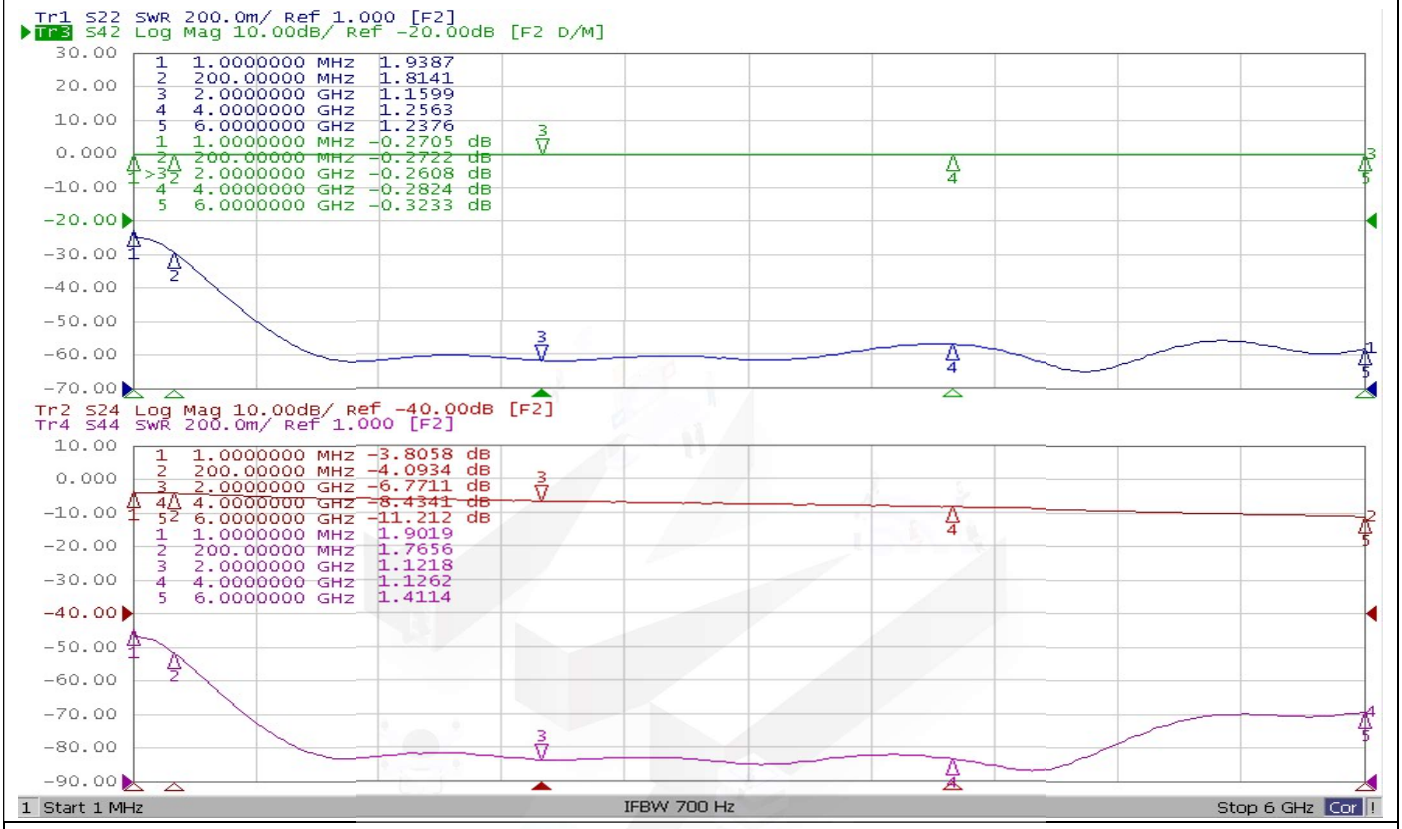
INSERTION LOSS (0.25dB)



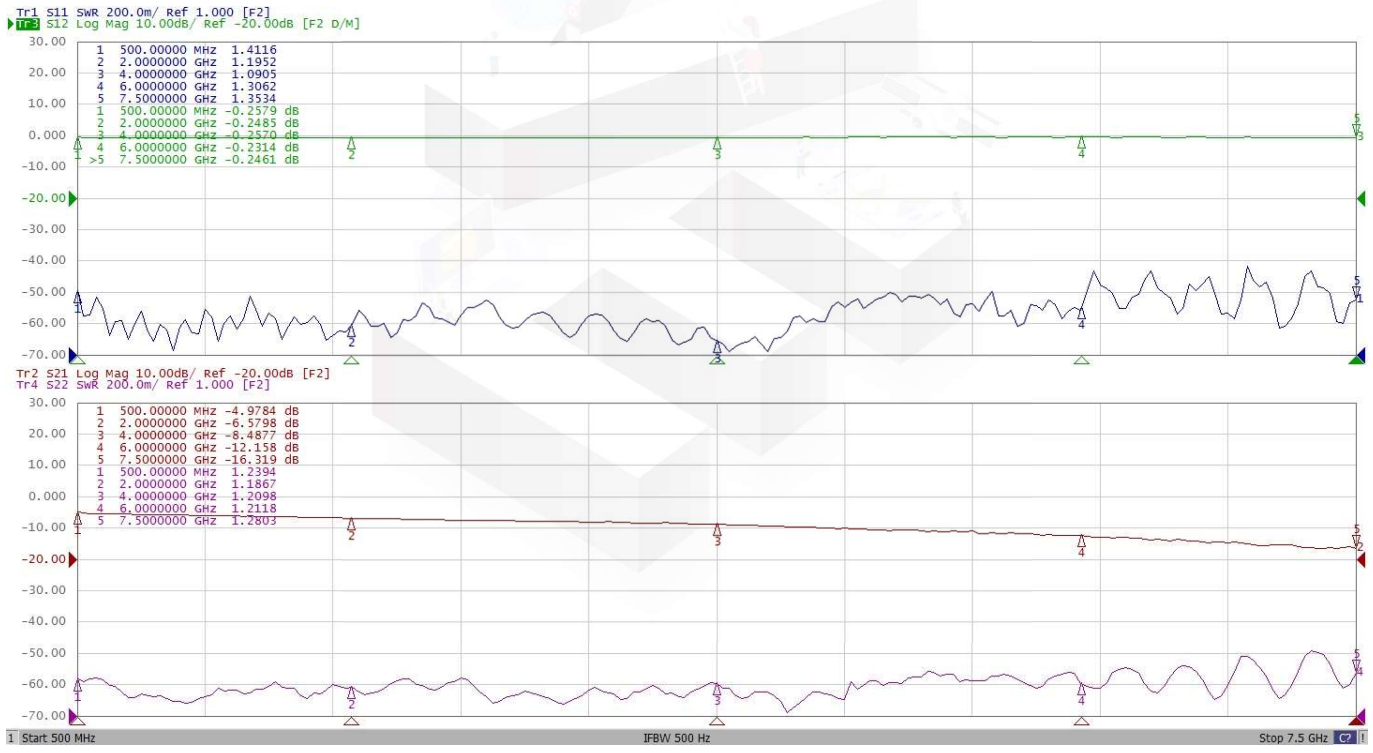
0.5dB



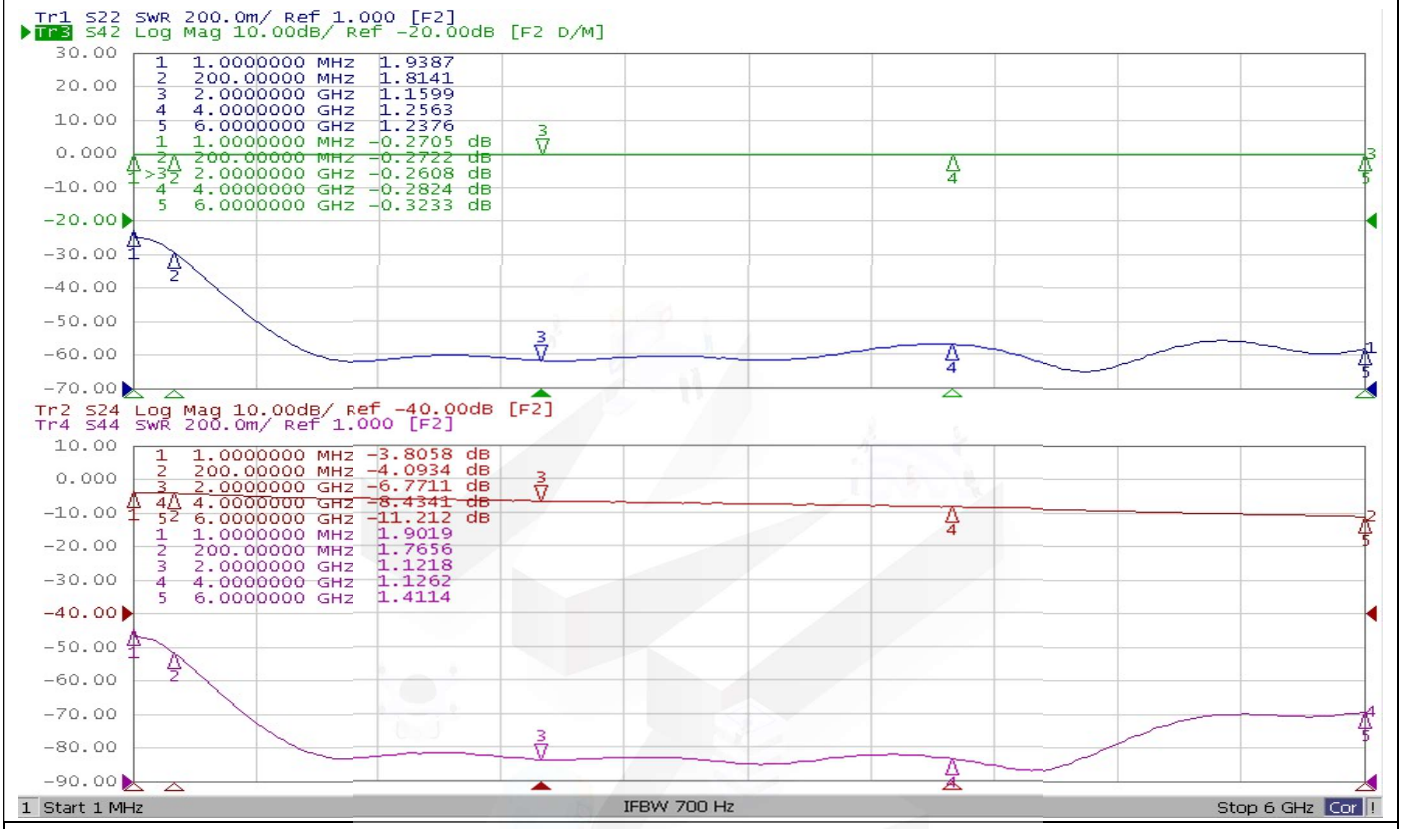
INSERTION LOSS (0.25dB)



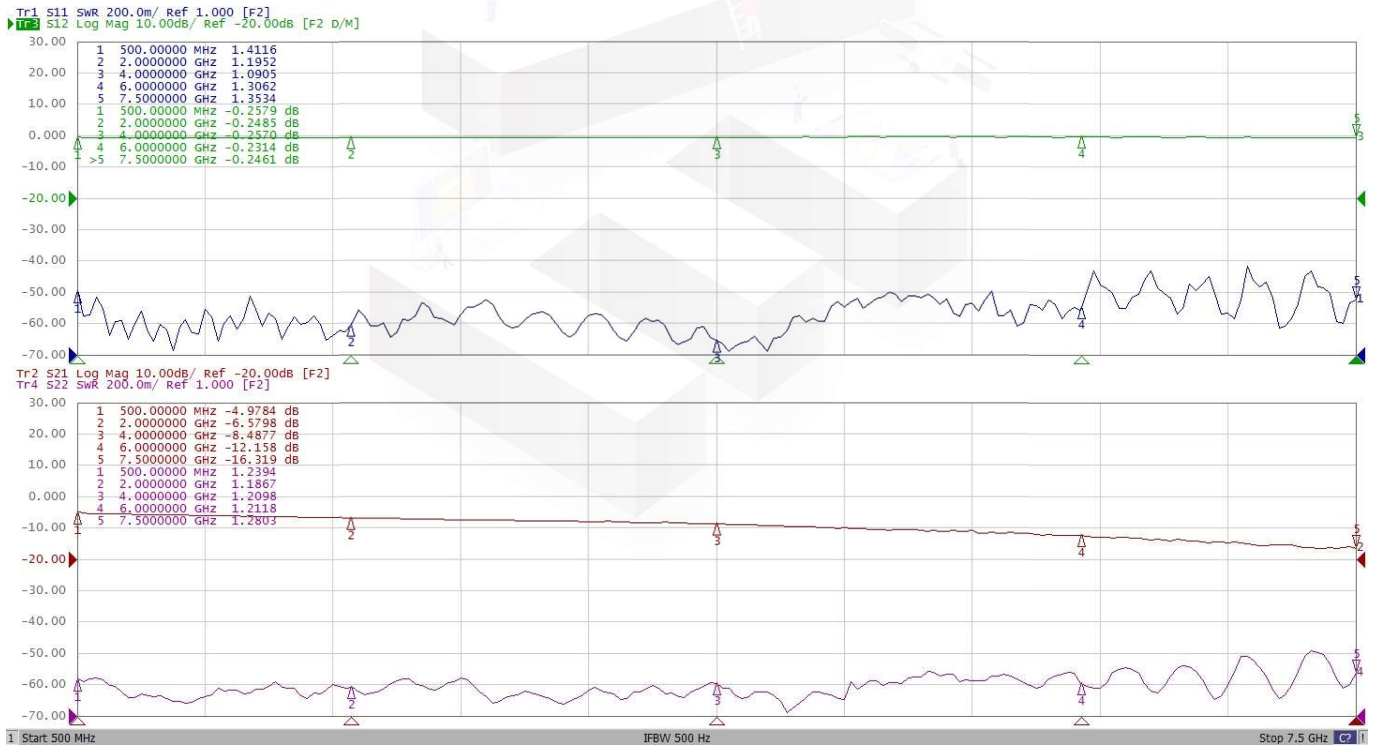
0.5dB



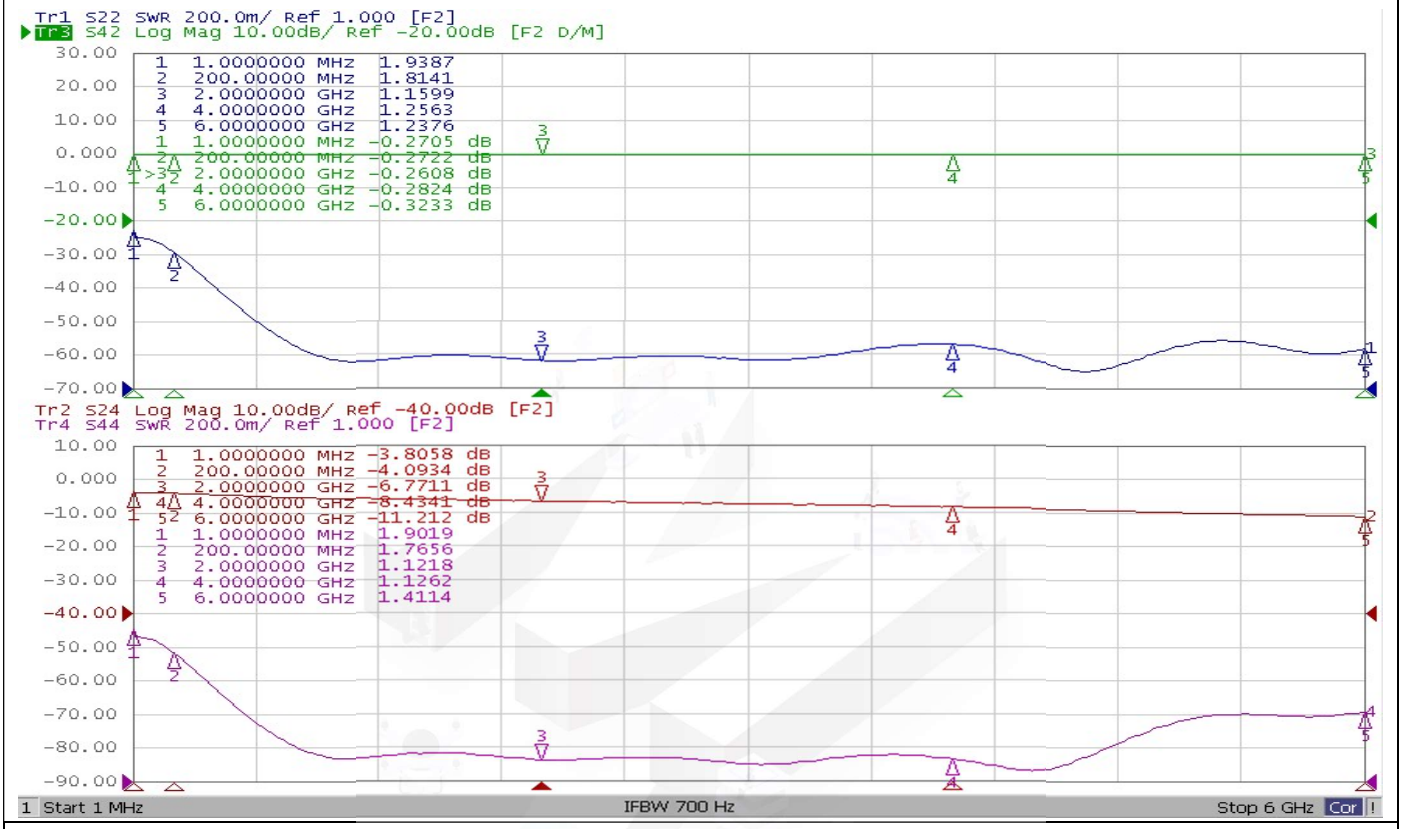
INSERTION LOSS (0.25dB)



0.5dB



INSERTION LOSS (0.25dB)



0.5dB