

Ordering Code: EL10G-247009-BI

10G BASE SINGLE PORT TRANSFORMER

- Compliant with IEEE 802.3 standard.
- Cable interface for isolation and low common mode emissions.
- IEEE 802.3bt complying performance, 1A current capability.
- RoHS compliant
- Operating temperature range:-40°C to +85°C.
- Storage temperature range:-40°C to +125°C.

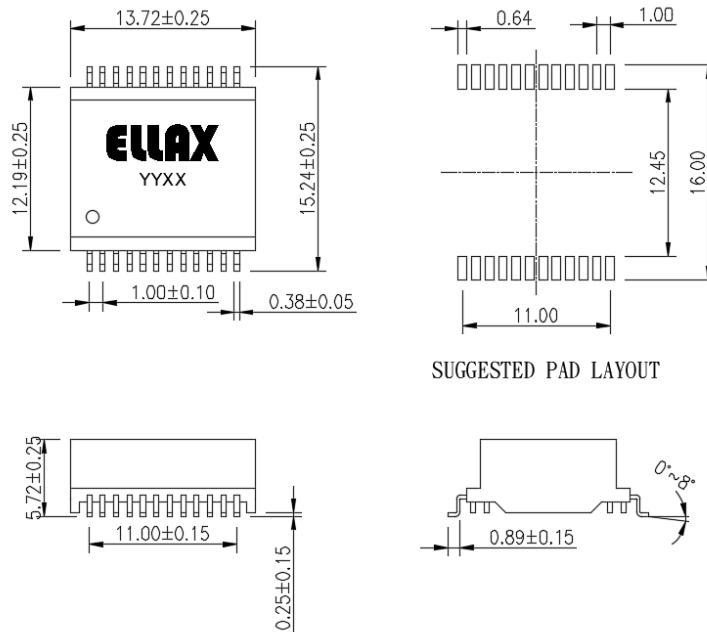
Electrical Specifications @ 25°C

Part Number	Turns Ratio (±2%)	OCL(μH Min) @100KHz/0.1V	Insertion Loss (dB Max)			DCMR (dB Min)		HI-POT (Vrms)
			1MHz-100MHz	200 MHz	500 MHz	1-250 MHz	250-500 MHz	
EL10G-247009-BI	1CT:1CT	120	-0.55	-0.77	-2.0	-30	-22	1500

Continue

Part Number	Return Loss (dB Min)						Cross Talk (dB Min)			CMRR (dB Min)		
	1 MHz	100 MHz	200 MHz	300 MHz	400 MHz	500 MHz	1 MHz	350 MHz	500 MHz	1-100 MHz	100-300 MHz	300-500 MHz
EL10G-247009-BI	-20	-20	-18	-15	-10	-8	-34	-23	-23	-35	-30	-25

Mechanicals:

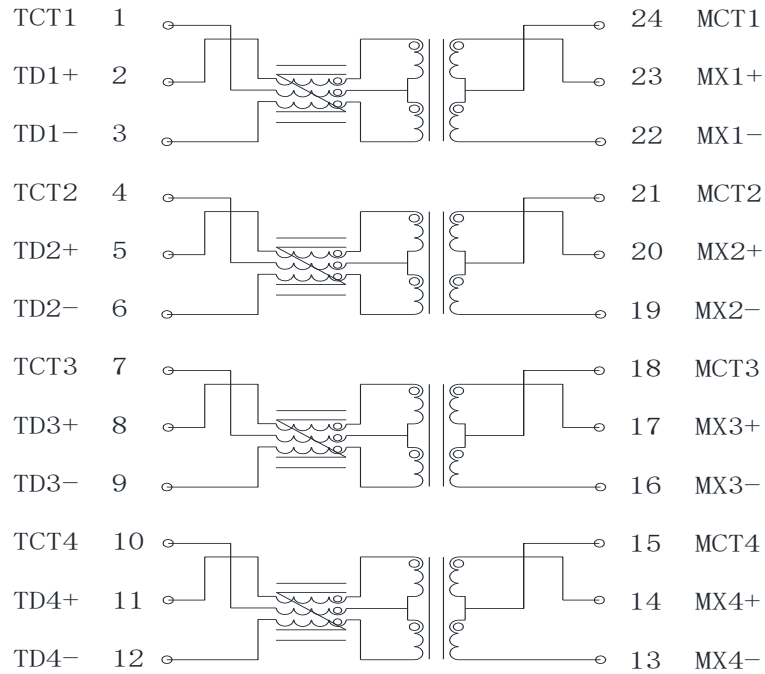


Units:mm Tolerances XX.X0:±0.25mm
0.XX:±0.13mm

Part Number: EL10G-247009-BI

10G BASE SINGLE PORT TRANSFORMER

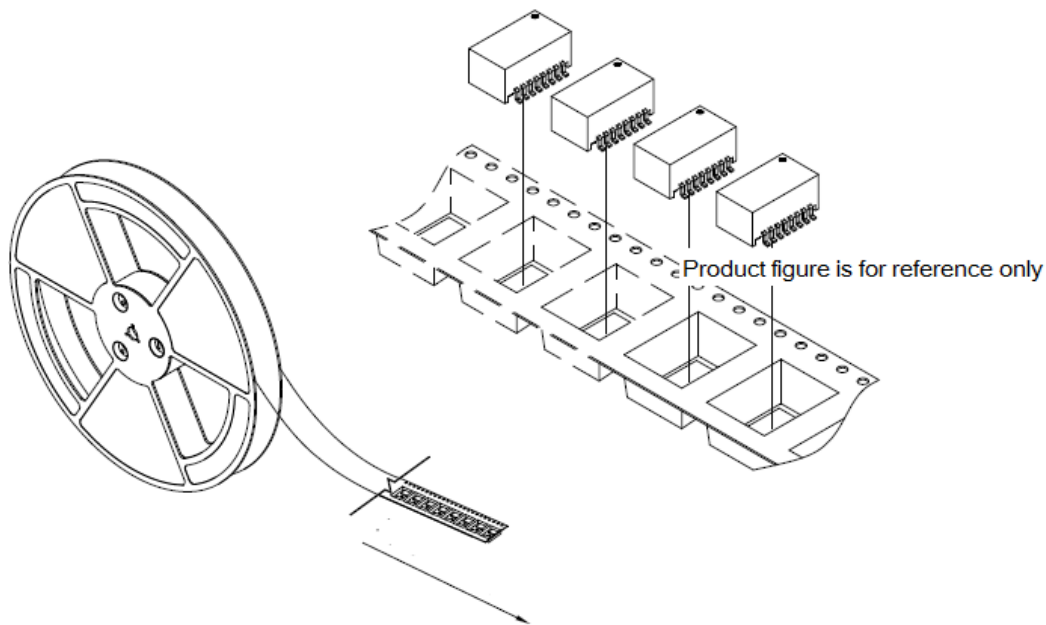
Schematics:



Package:

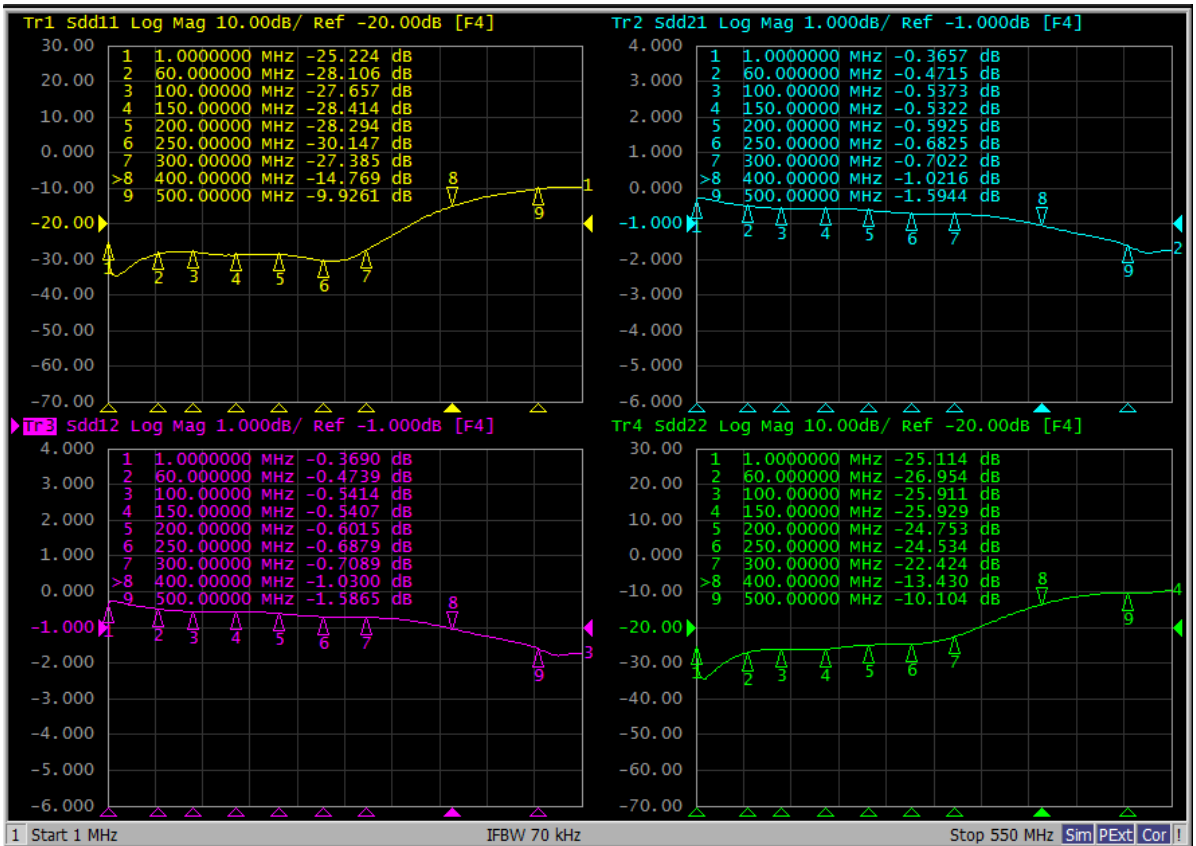
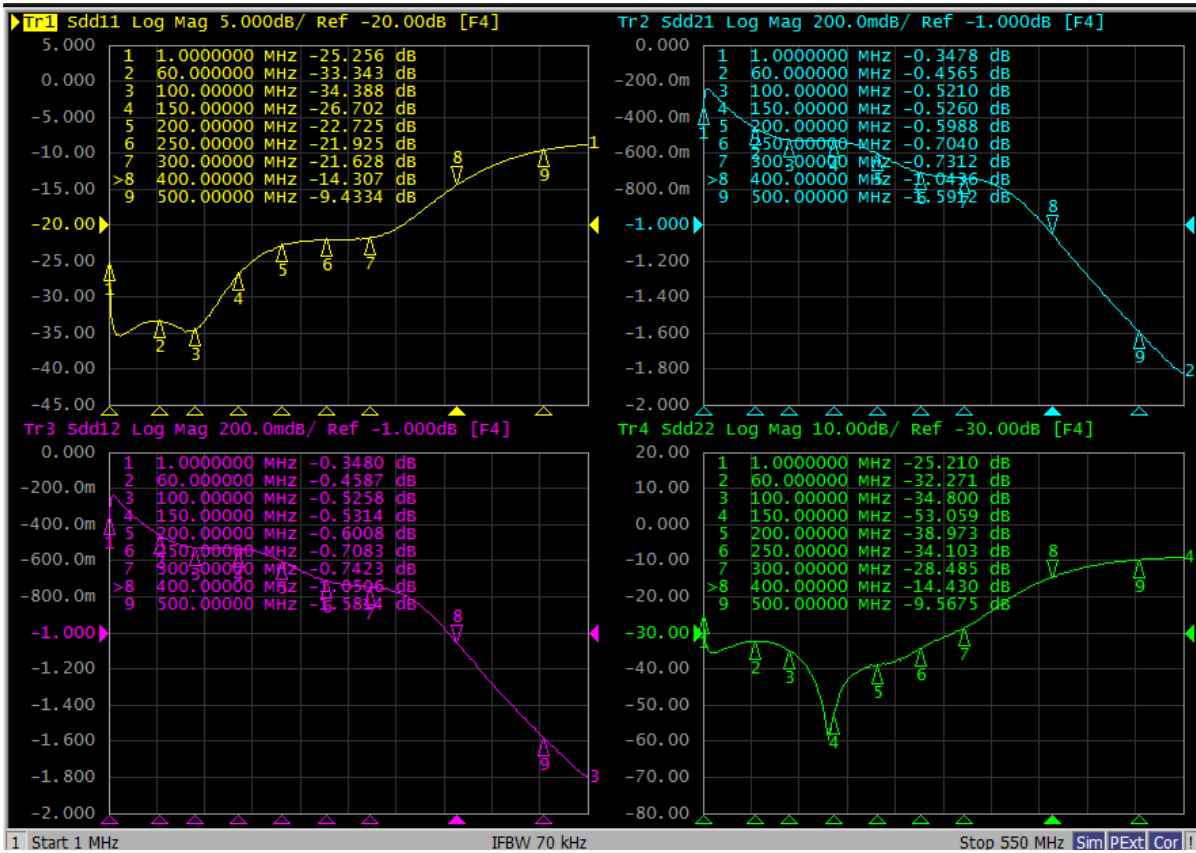
-300pcs/reel

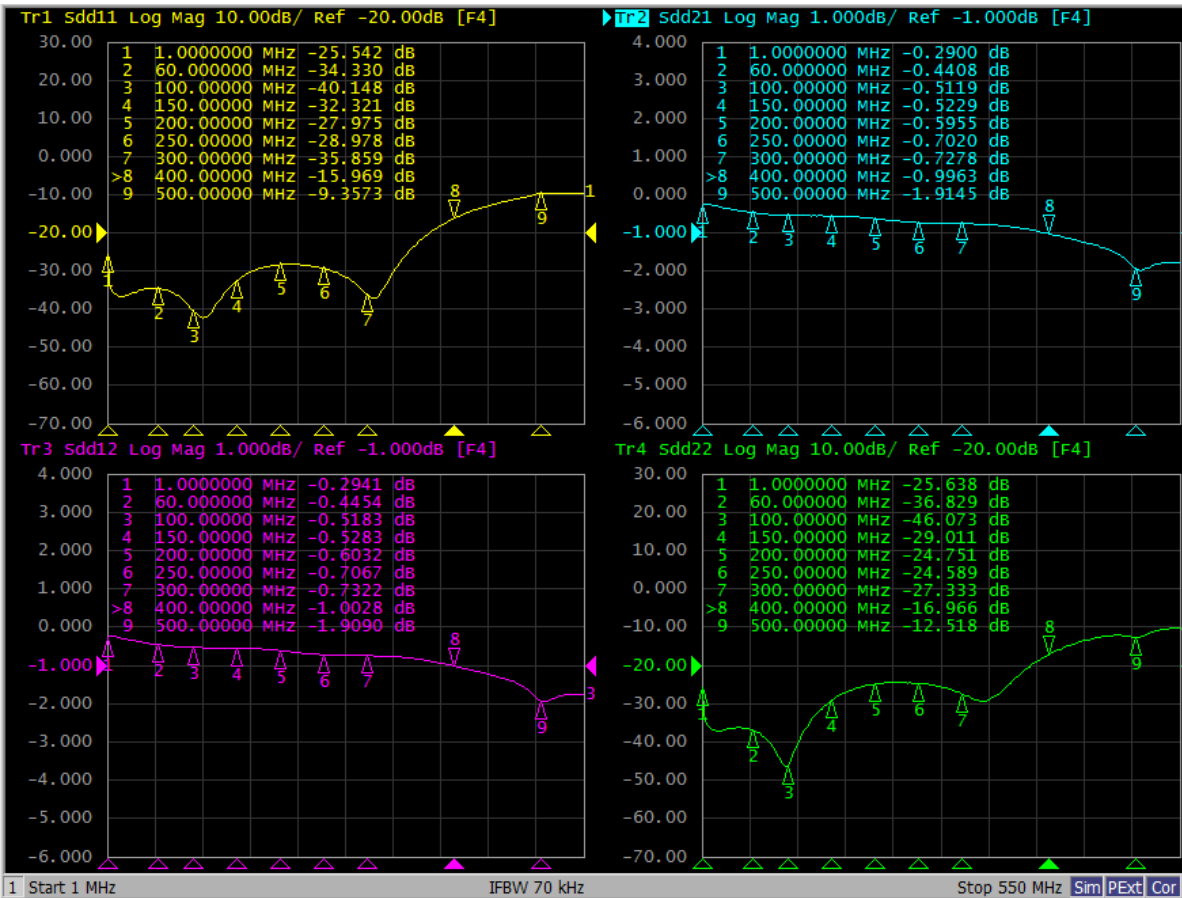
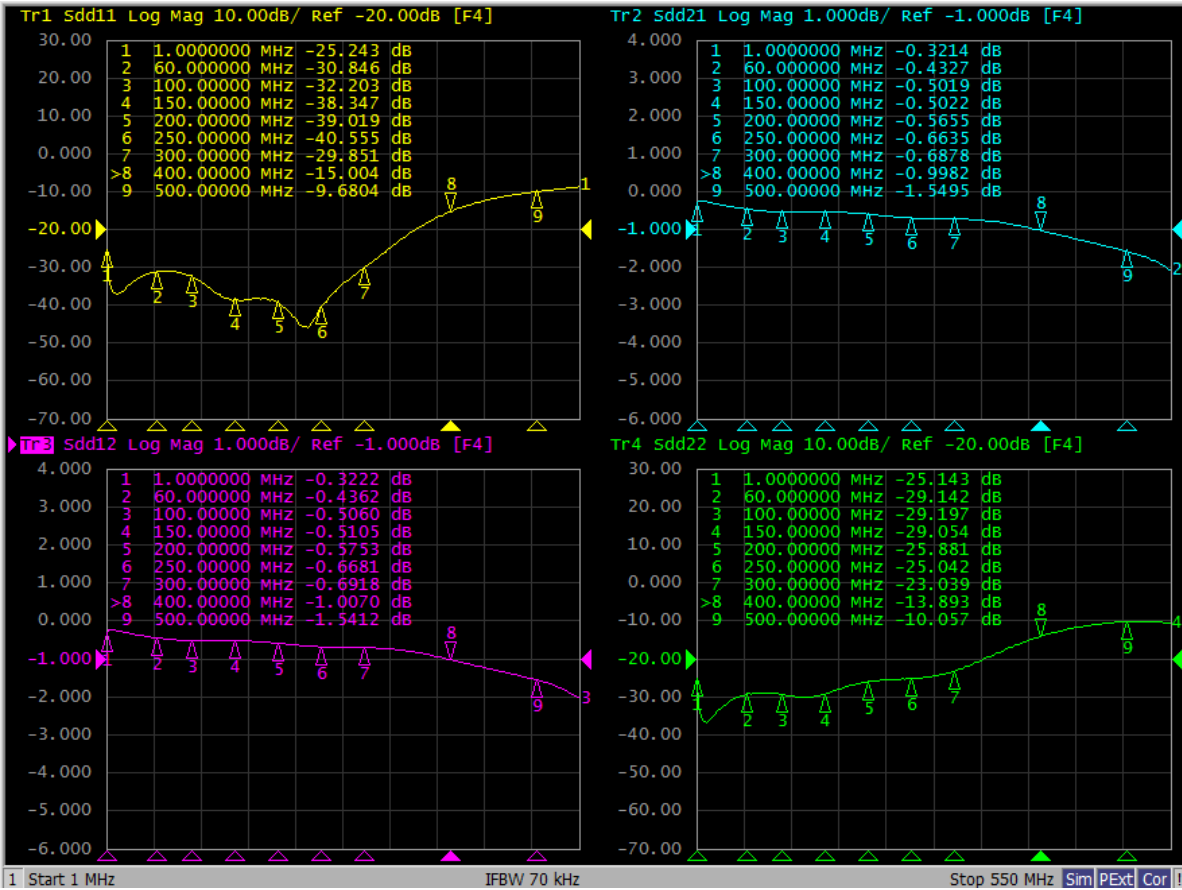
-1,800/carton

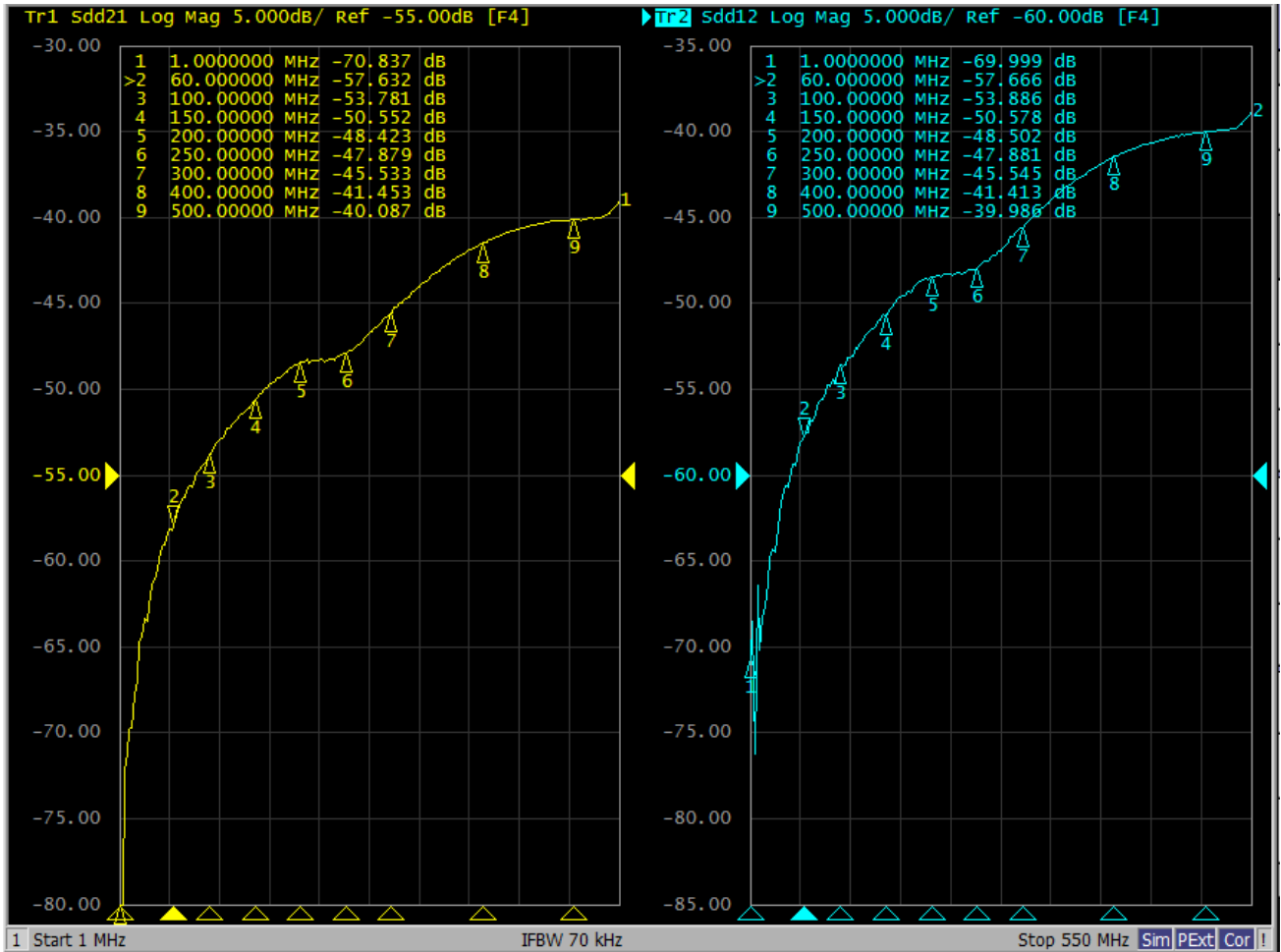


The Performance of High Frequency in RL, IL and CT

Sample#1



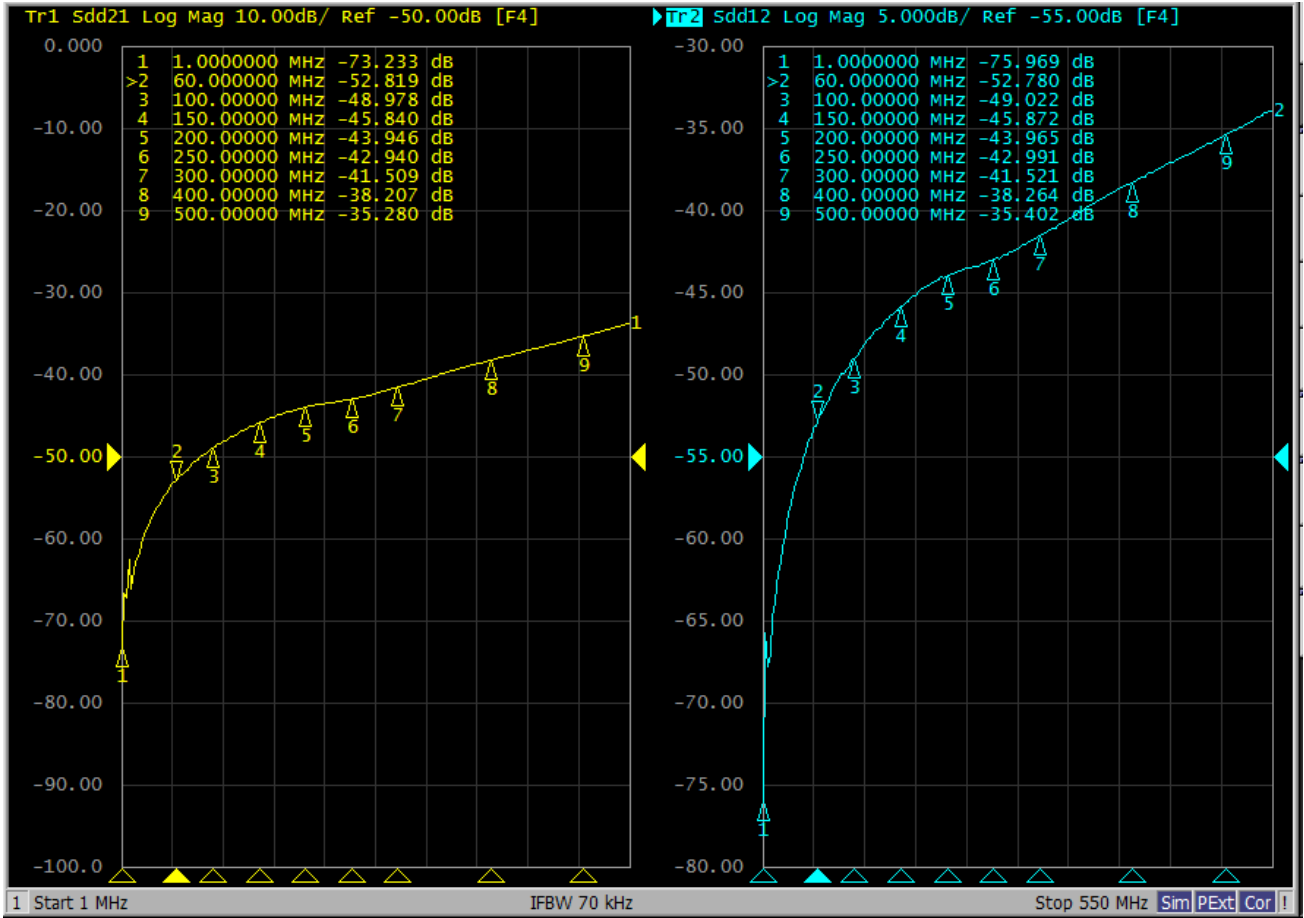




Address: No.21,Lu.39,Sec.2,Chang'an Rd.,Lnzhu dist.,Taoyuan City 338,Taiwan(R.O.C.)

Tel : + 886-3-3228575 Fax : + 886-3-3226955

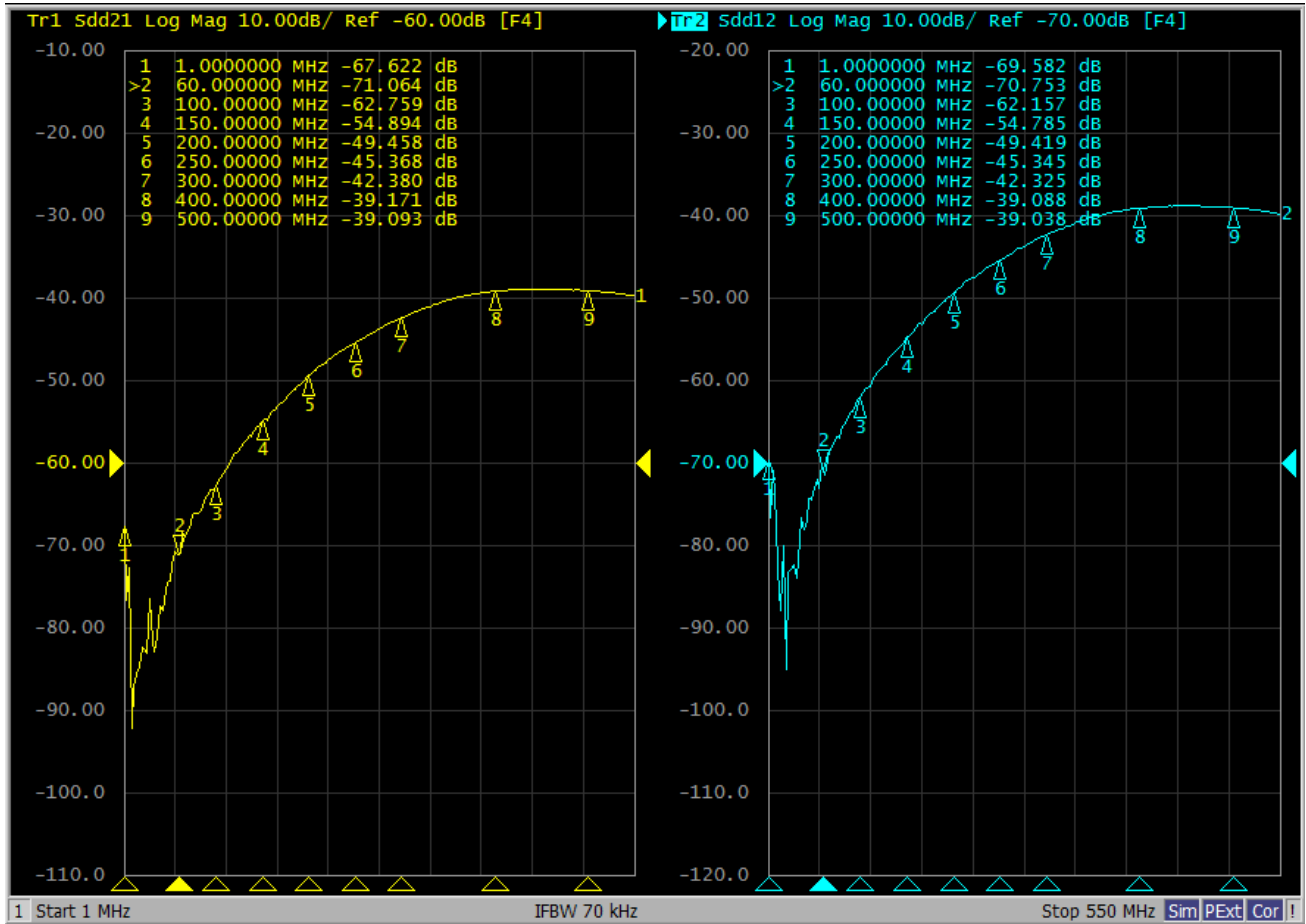
Http: www.ellax.com.tw E-mail: YL@ellax.com.tw



Address: No.21,Lu.39,Sec.2,Chang'an Rd.,Lnzhu dist.,Taoyuan City 338,Taiwan(R.O.C.)

Tel : + 886-3-3228575 Fax : + 886-3-3226955

Http: www.ellax.com.tw E-mail: YL@ellax.com.tw



Address: No.21,Lu.39,Sec.2,Chang'an Rd.,Lnzhu dist.,Taoyuan City 338,Taiwan(R.O.C.)

Tel : + 886-3-3228575 Fax : + 886-3-3226955

Http: www.ellax.com.tw E-mail: YL@ellax.com.tw

The Performance for S- Parameter below(RFF. Only)

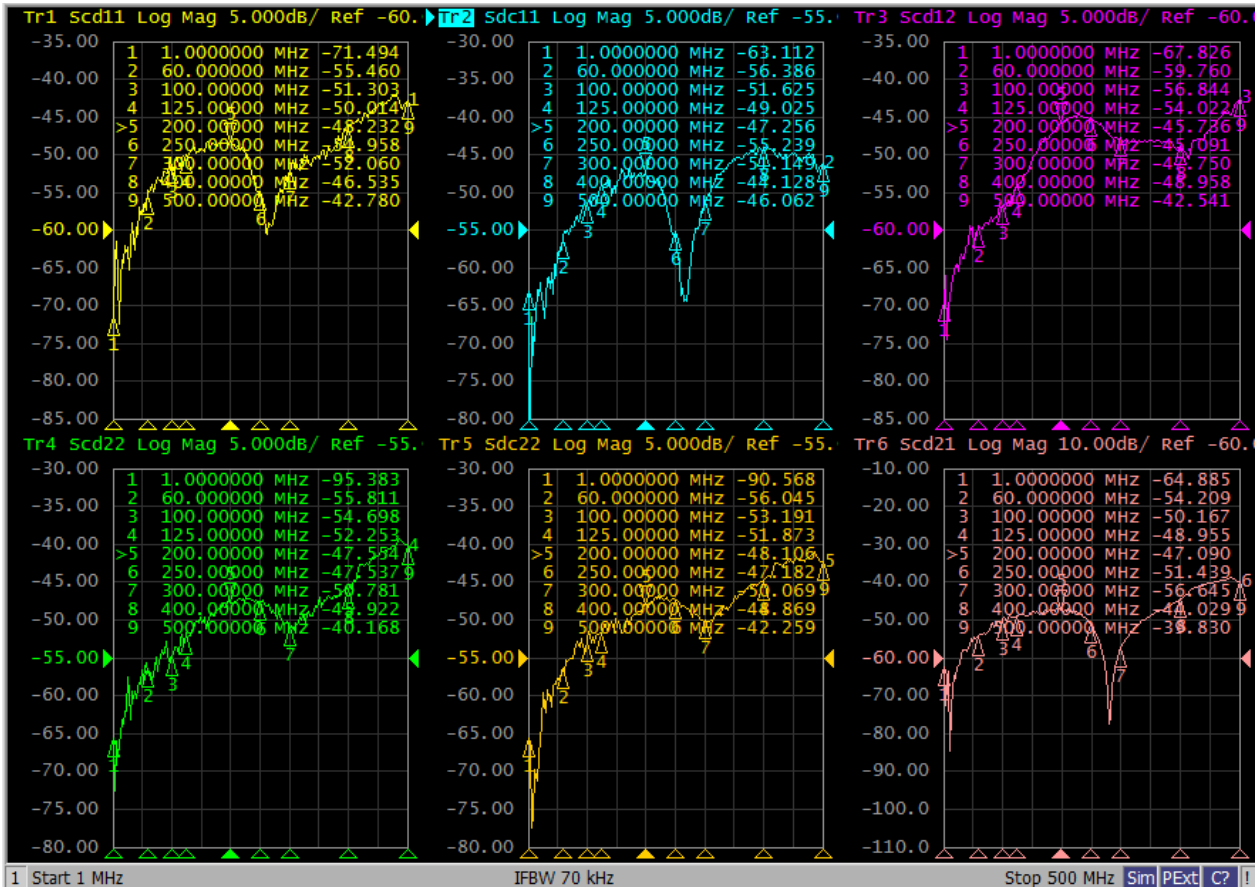
Reflected CM to Diff Conversion(Scd11 / Scd22)

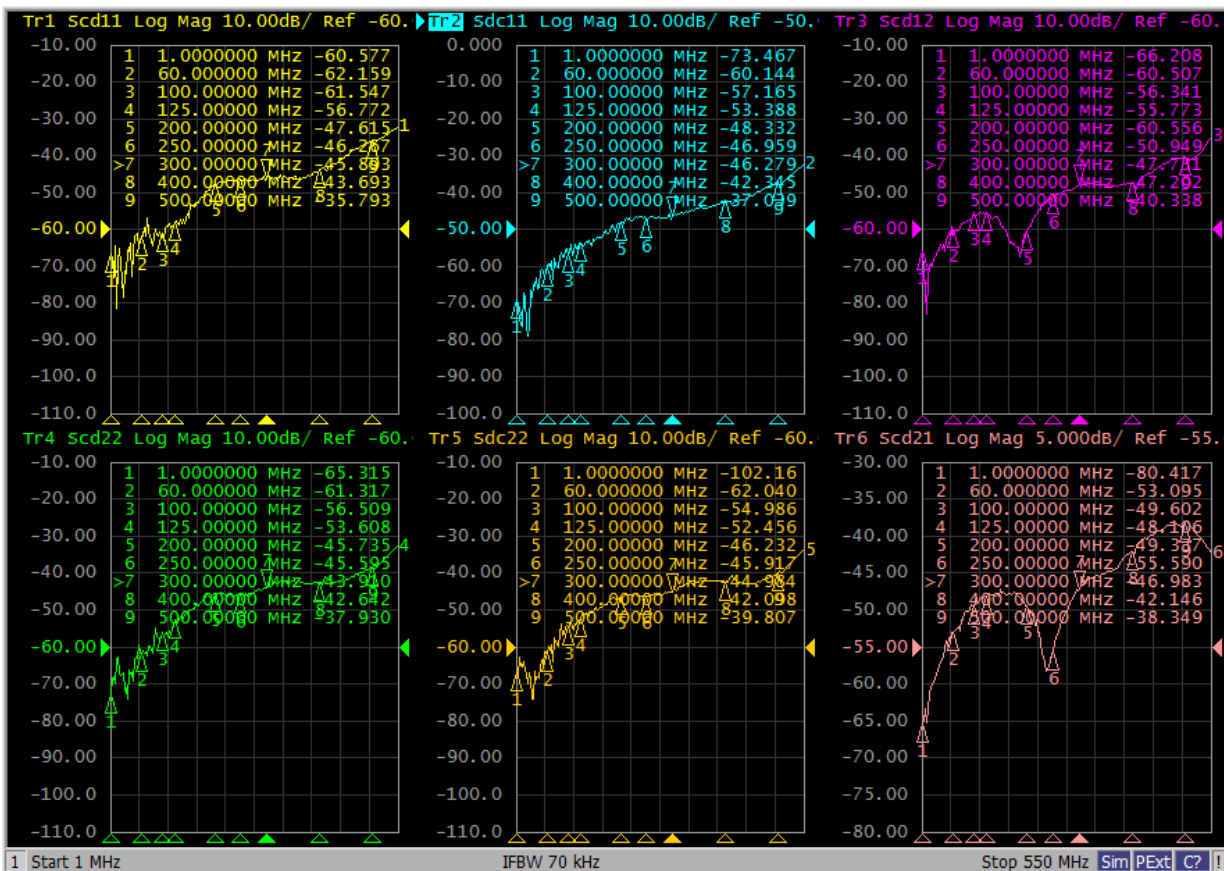
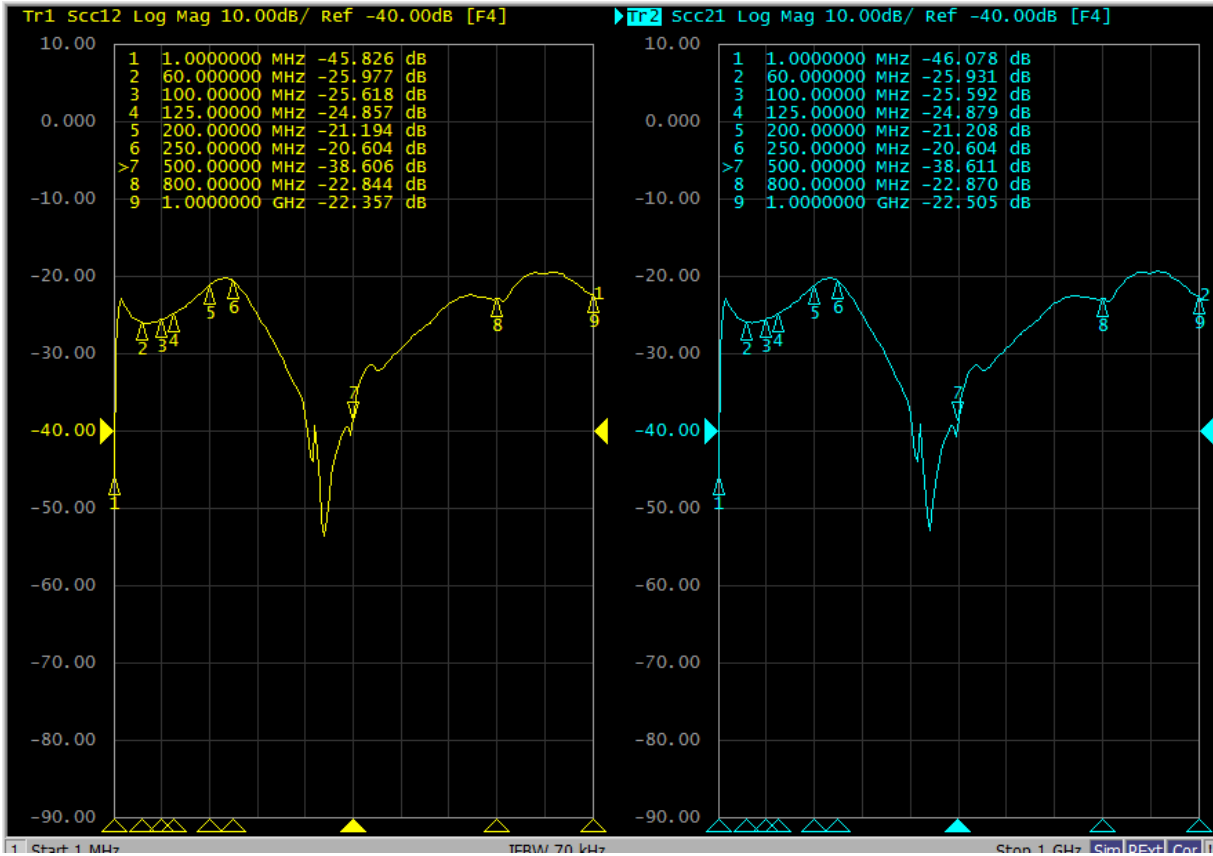
Reflected Diff to CM Conversion(Sdc11 / Sdc22)

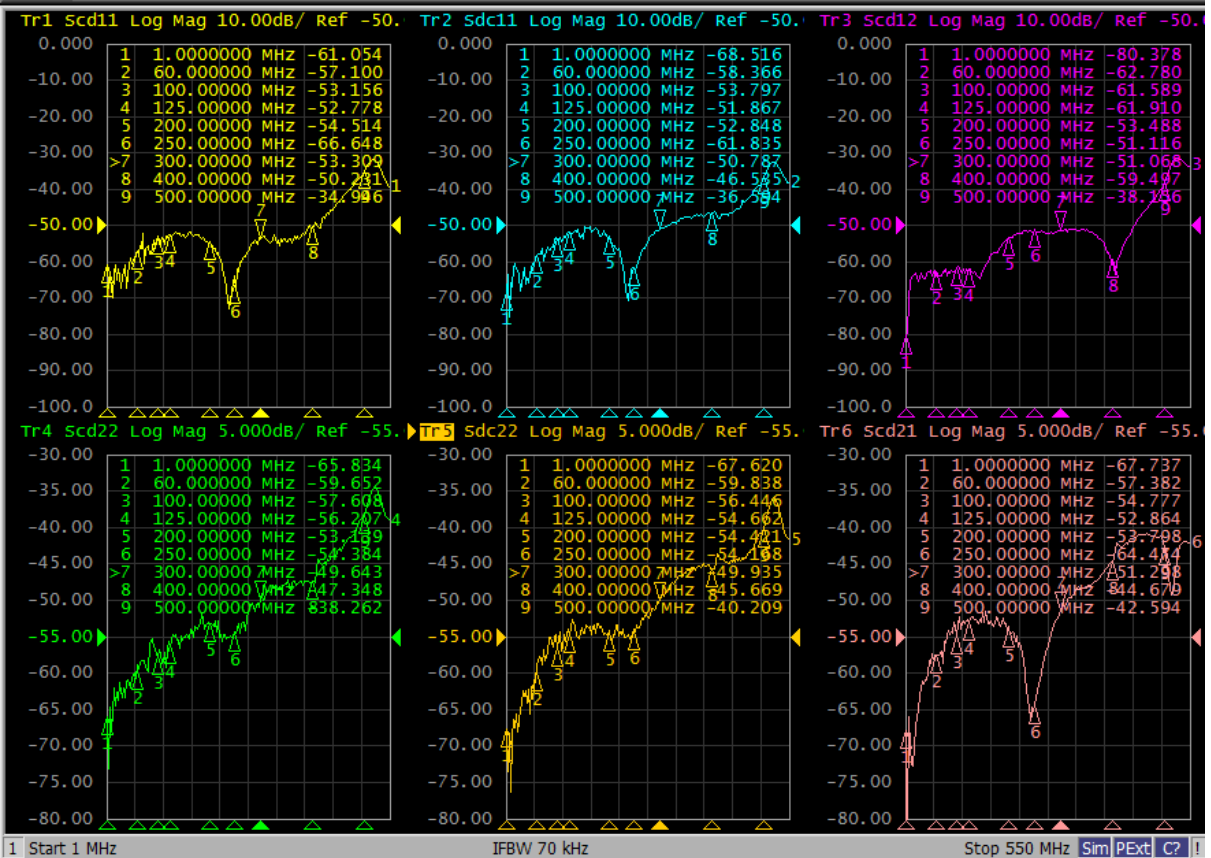
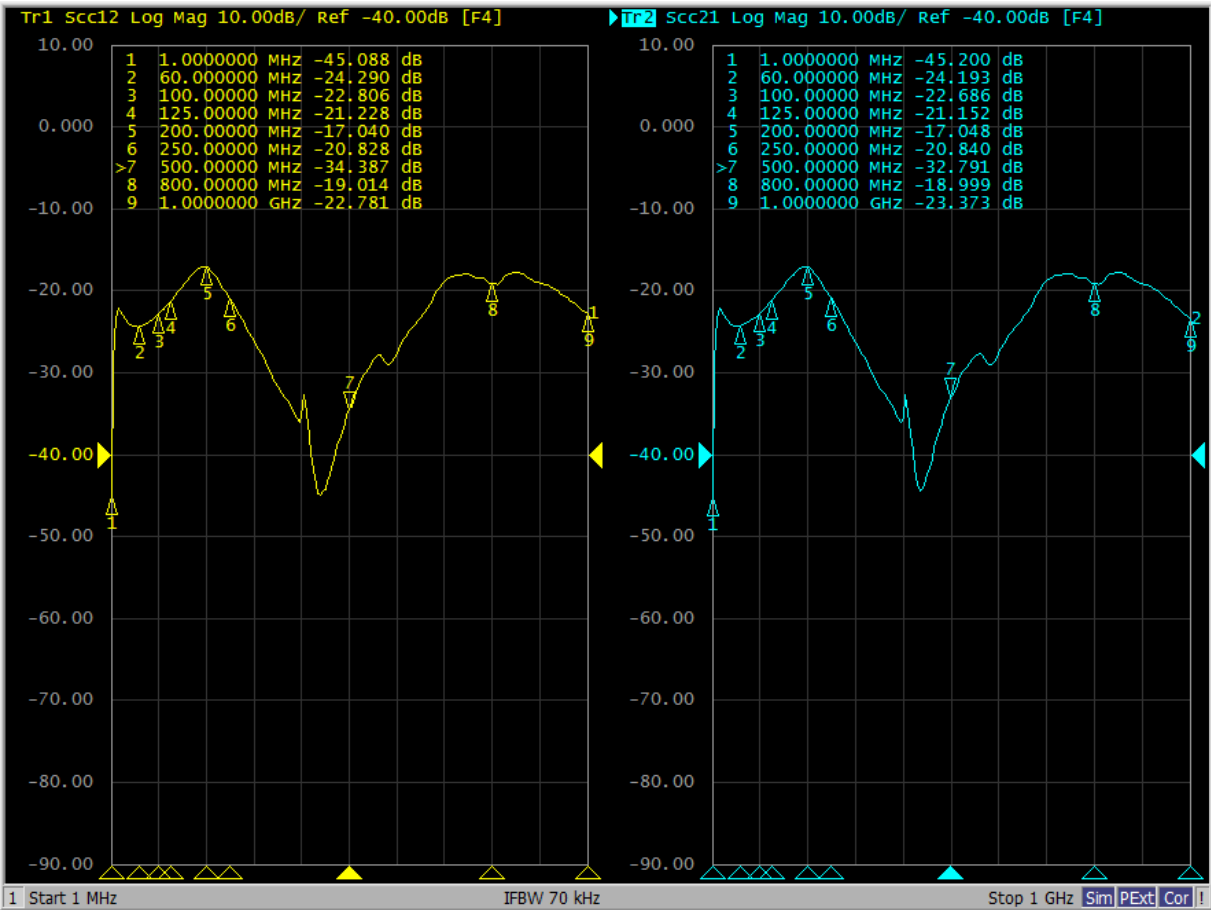
CM to DM Conversion (Scd12 / Scd21)

CM to CM Attenuation (Scc12 / Scc21)

Sample#1



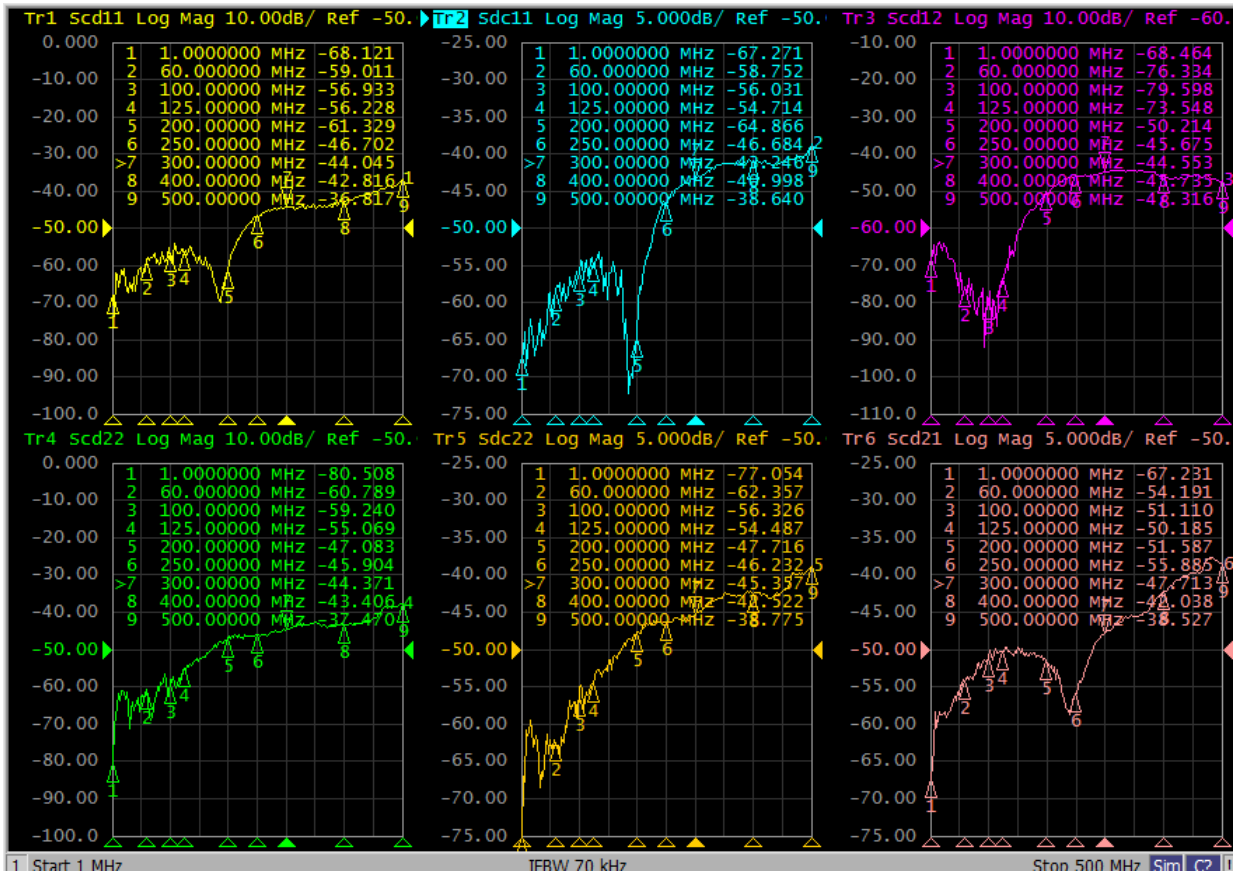
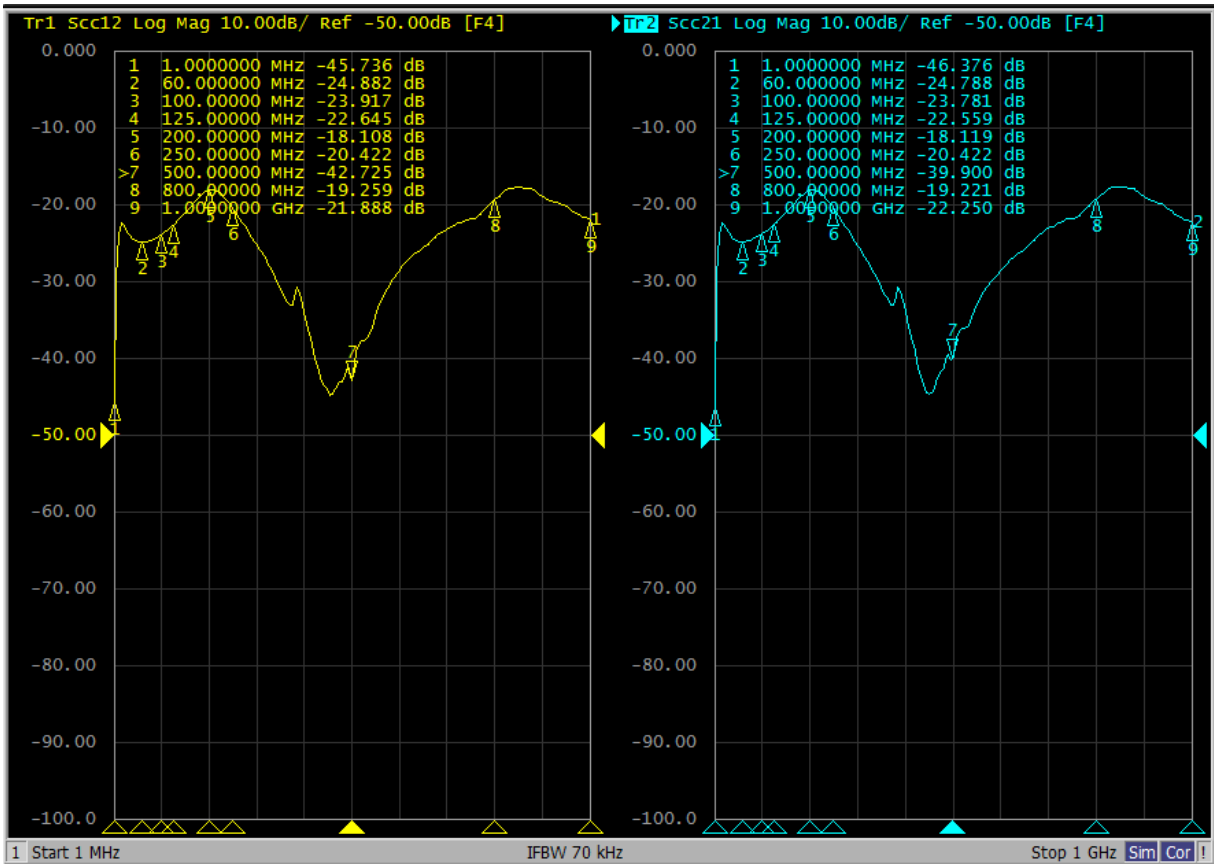


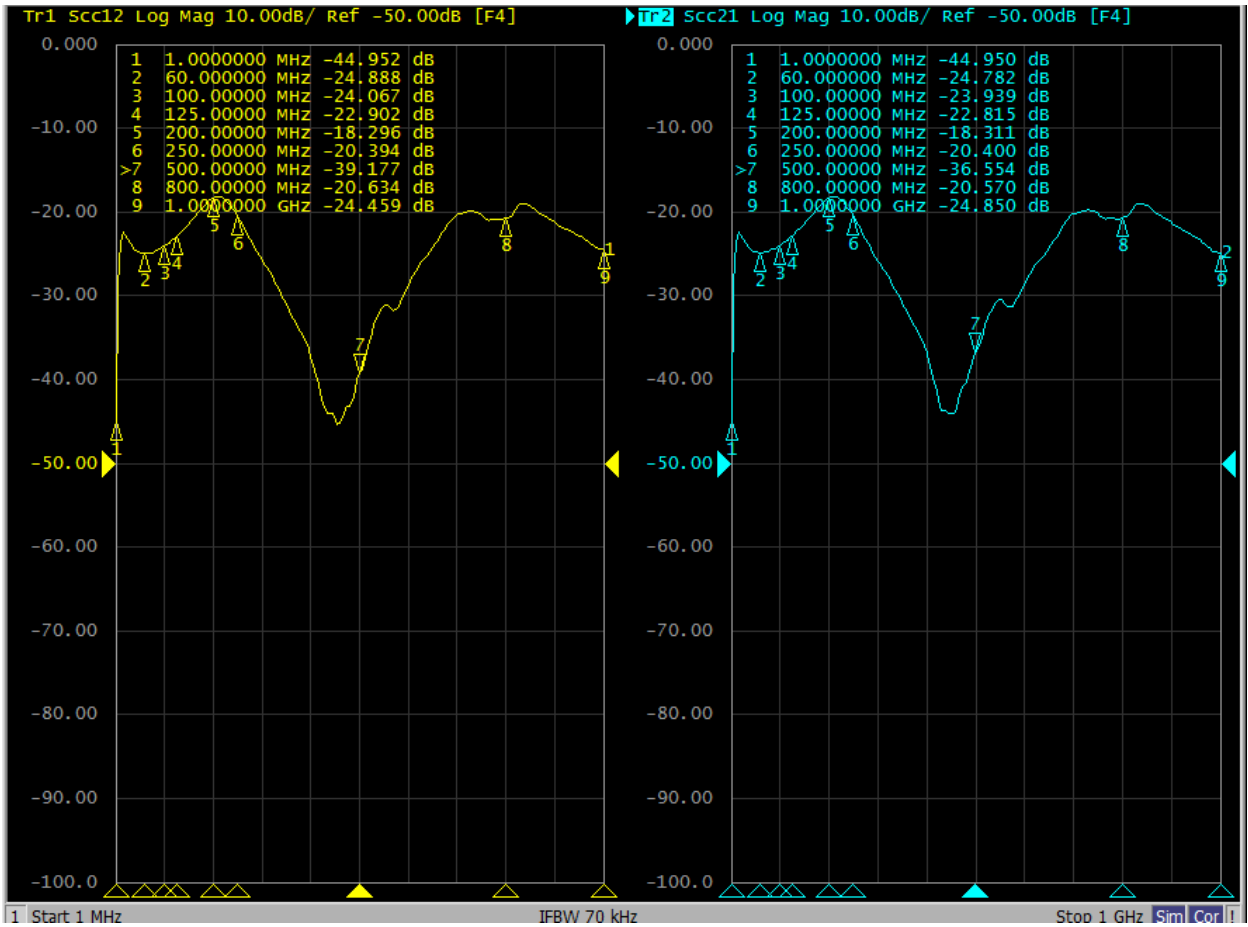


Address: No.21,Lu.39,Sec.2,Chang'an Rd.,Lnzhu dist.,Taoyuan City 338,Taiwan(R.O.C.)

Tel : + 886-3-3228575 Fax : + 886-3-3226955

Http: www.ellax.com.tw E-mail: YL@ellax.com.tw





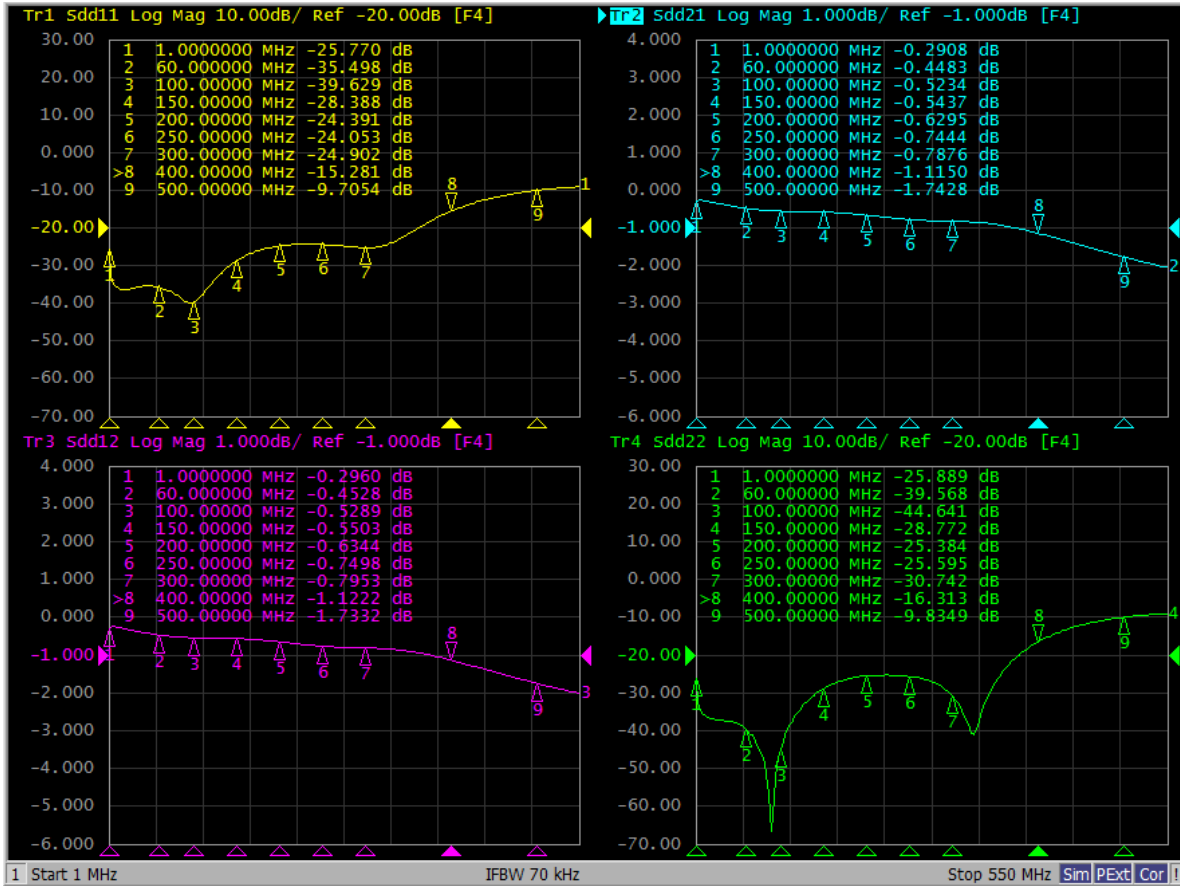
Address: No.21,Lu.39,Sec.2,Chang'an Rd.,Lnzhu dist.,Taoyuan City 338,Taiwan(R.O.C.)

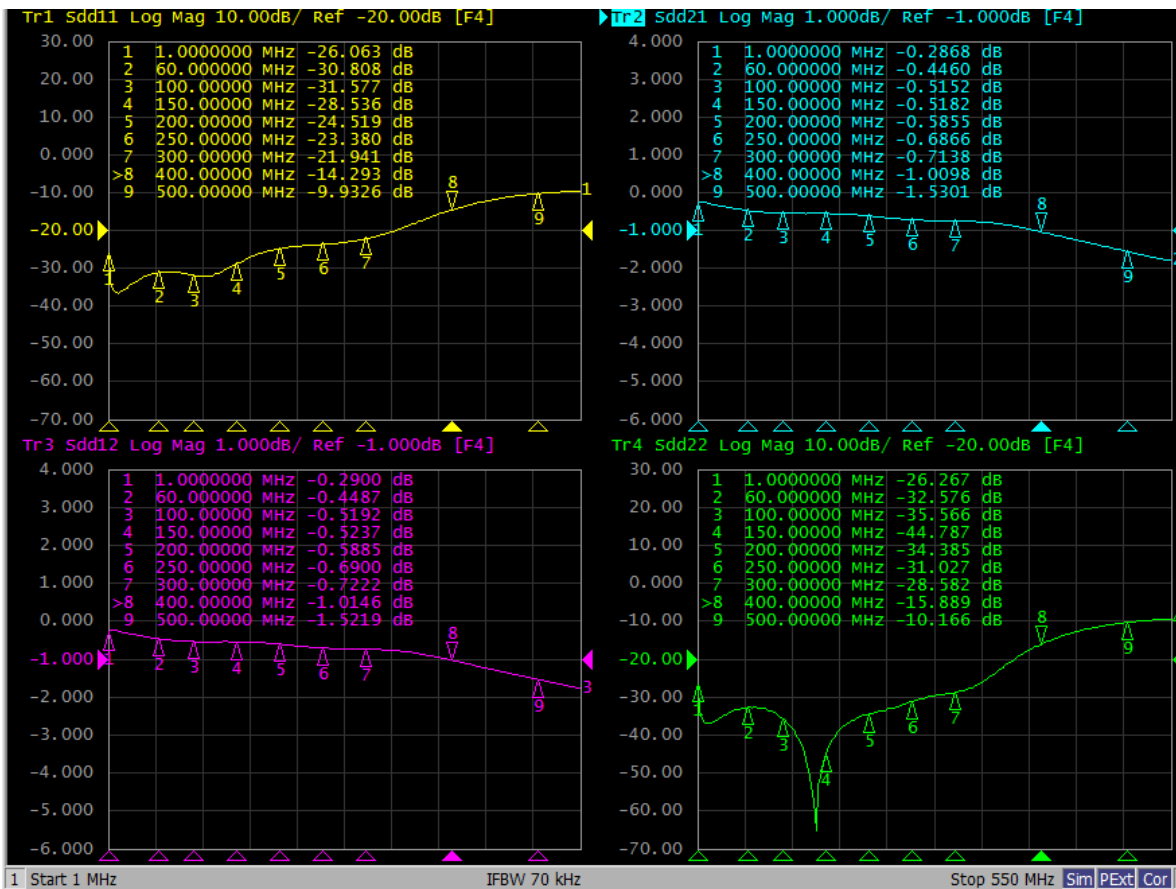
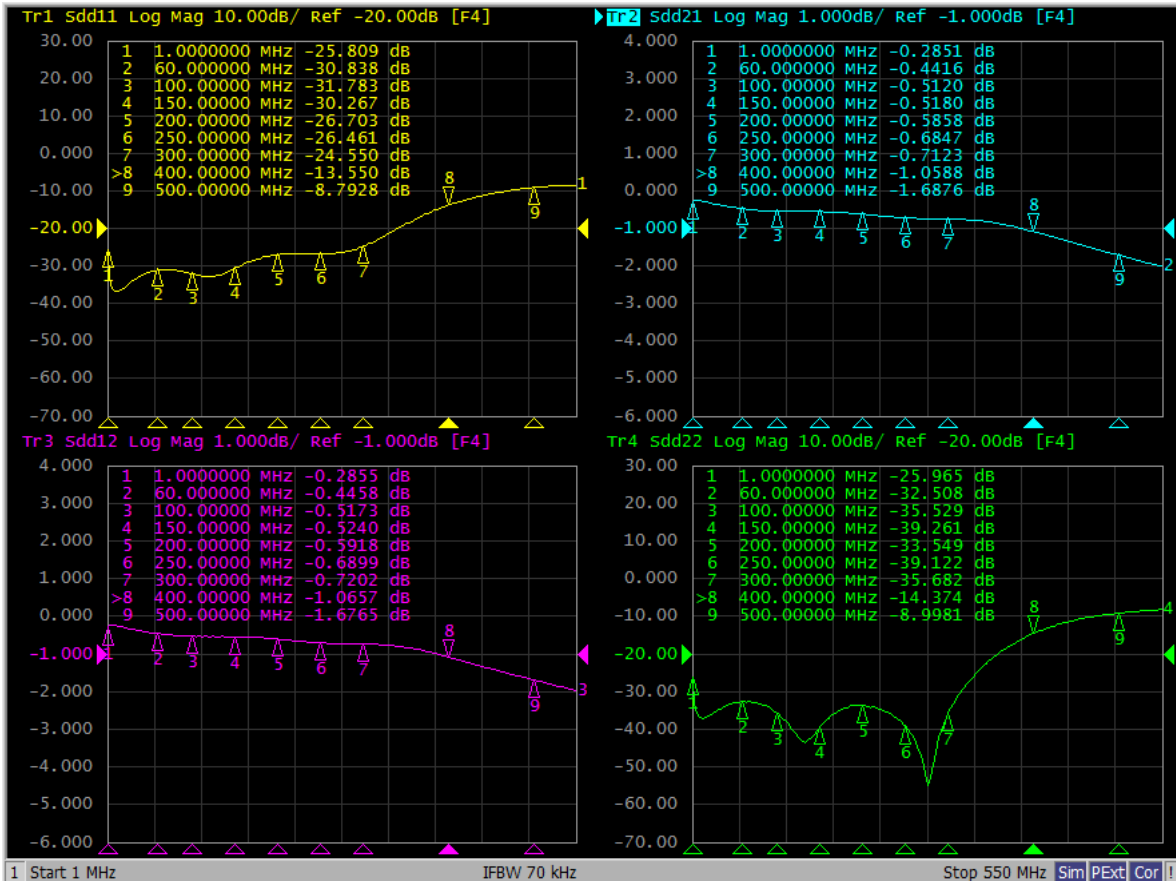
Tel : + 886-3-3228575 Fax : + 886-3-3226955

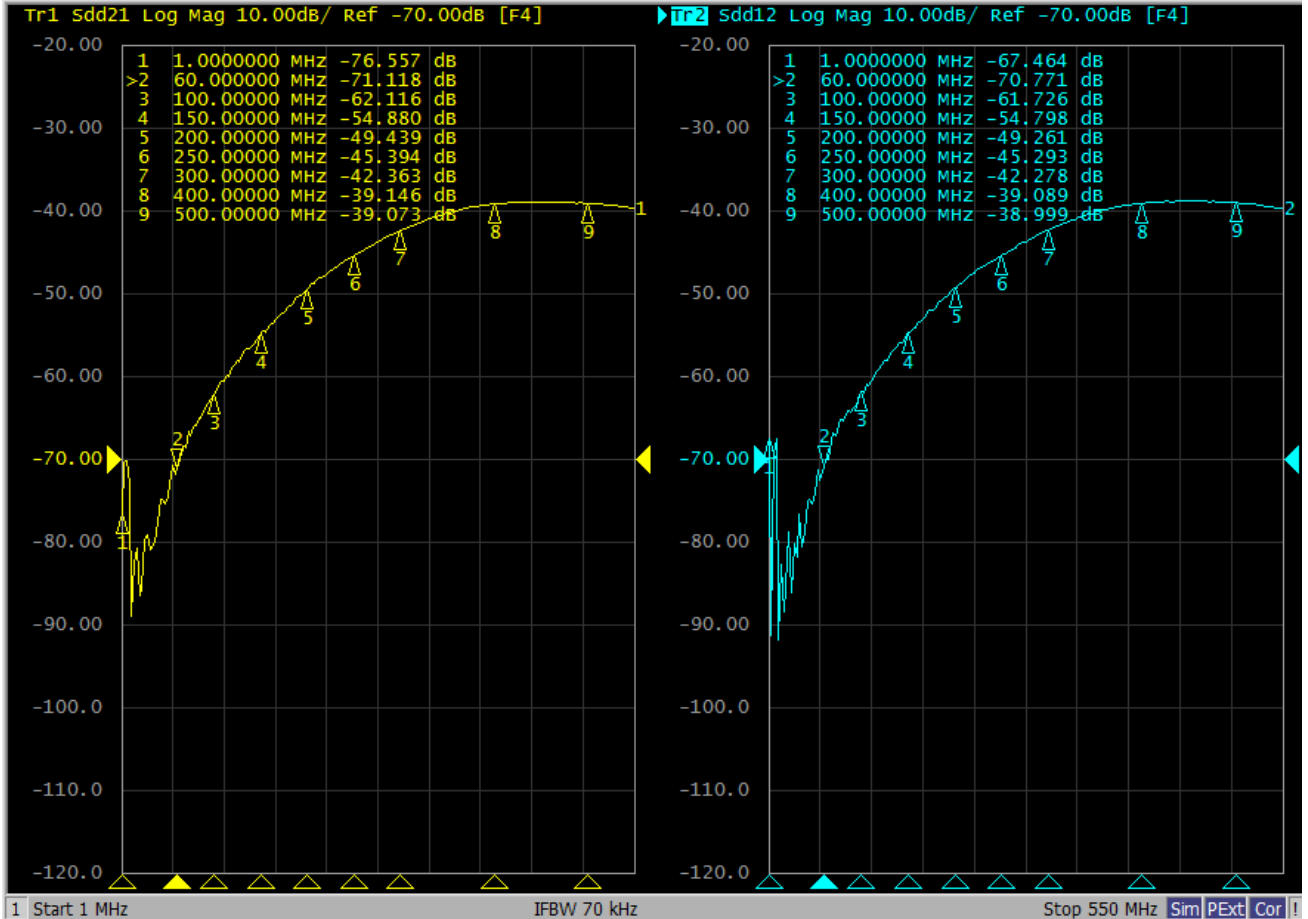
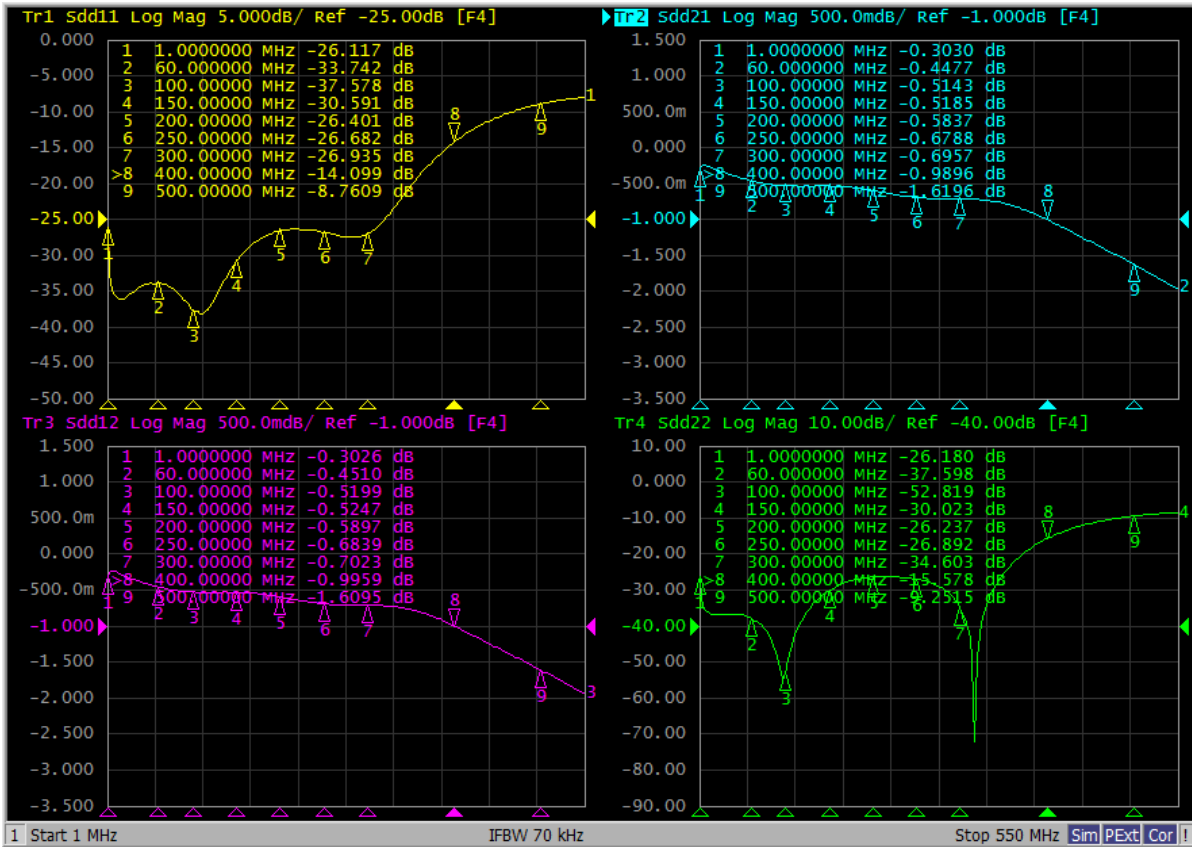
Http: www.ellax.com.tw E-mail: YL@ellax.com.tw

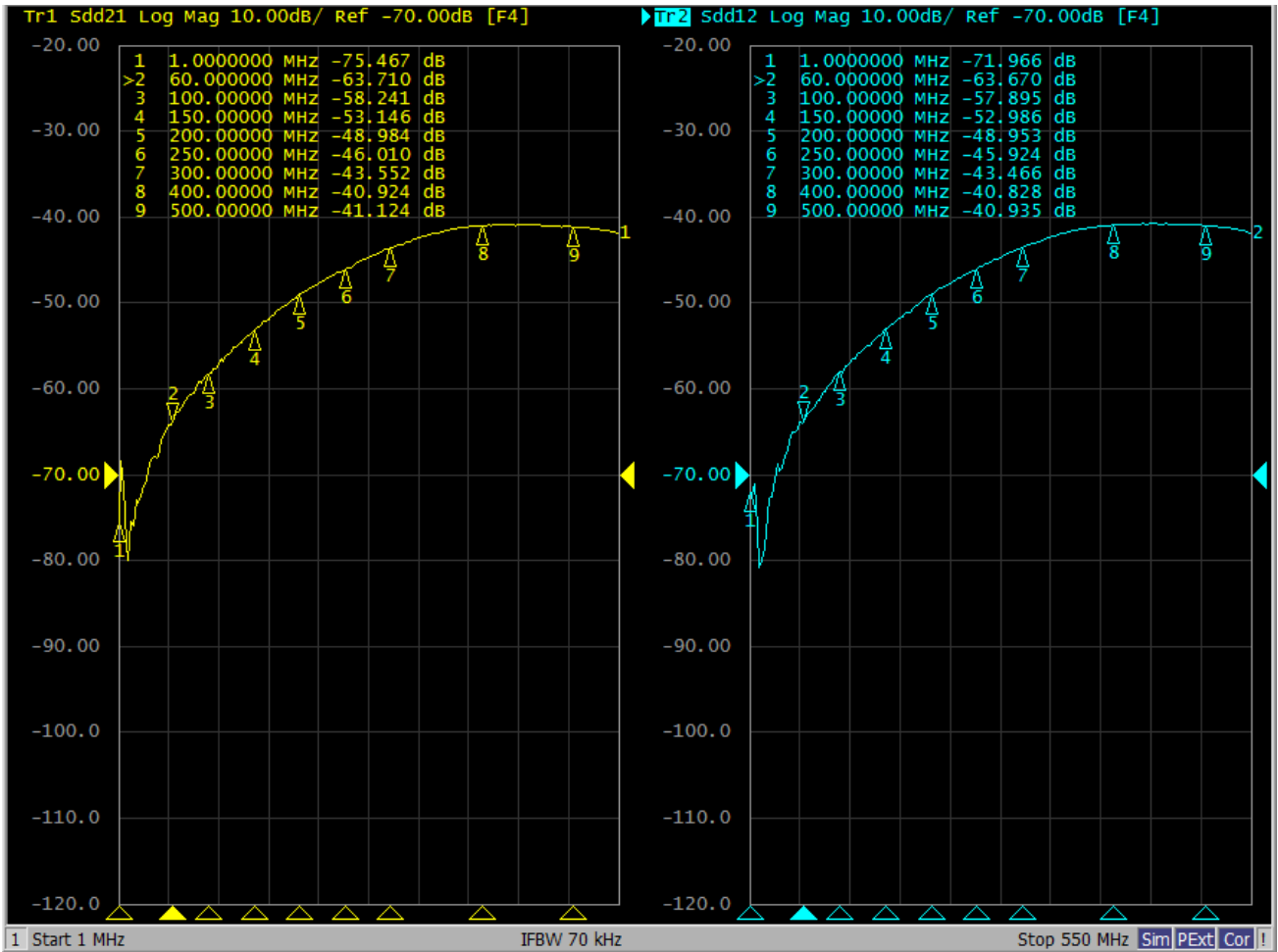
The Performance of High Frequency in RL, IL and CT

Sample#2





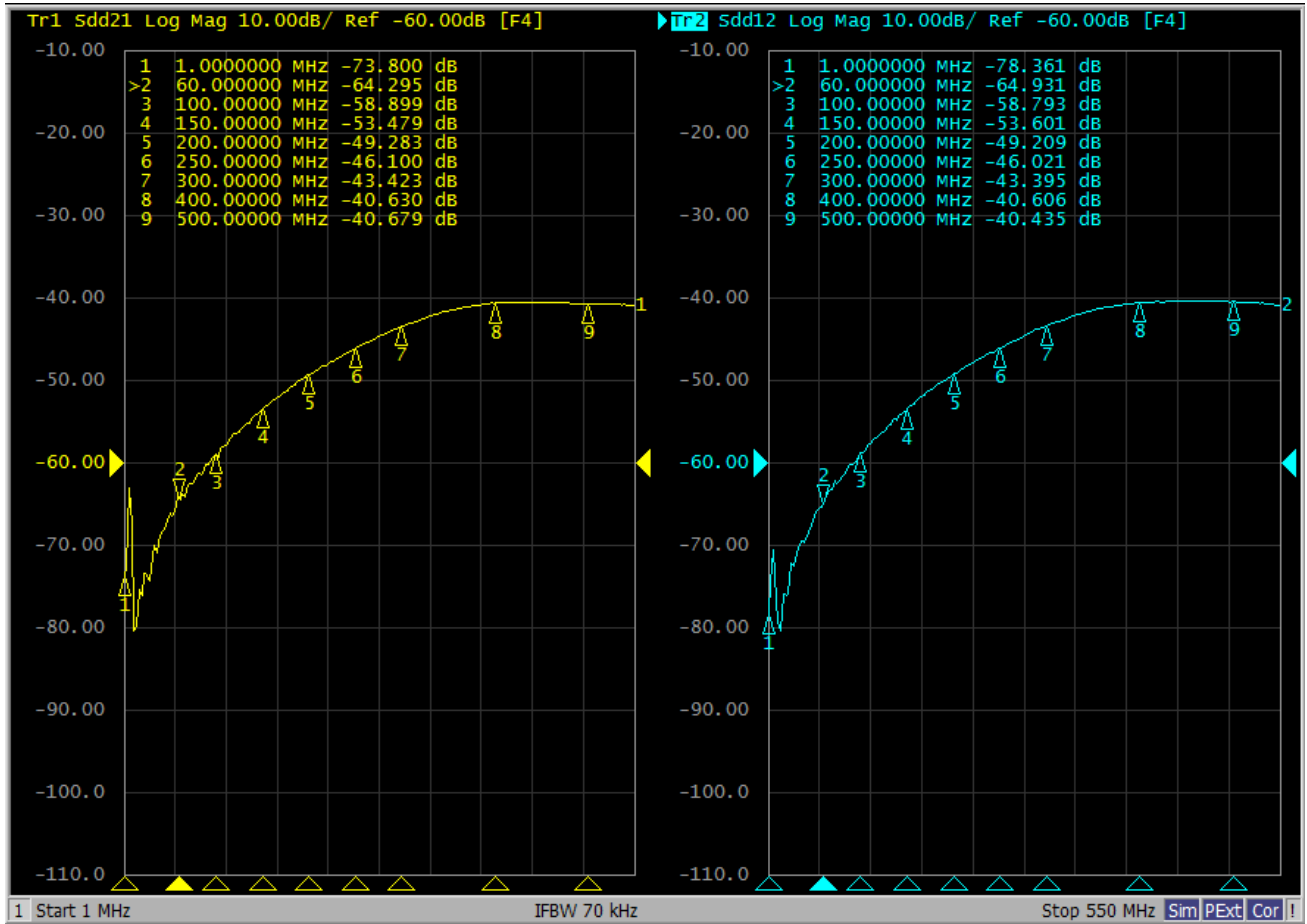




Address: No.21,Lu.39,Sec.2,Chang'an Rd.,Lnzhu dist.,Taoyuan City 338,Taiwan(R.O.C.)

Tel : + 886-3-3228575 Fax : + 886-3-3226955

Http: www.ellax.com.tw E-mail: YL@ellax.com.tw



Address: No.21,Lu.39,Sec.2,Chang'an Rd.,Lnzhu dist.,Taoyuan City 338,Taiwan(R.O.C.)

Tel : + 886-3-3228575 Fax : + 886-3-3226955

Http: www.ellax.com.tw E-mail: YL@ellax.com.tw

The Performance for S- Parameter below(RFF. Only)

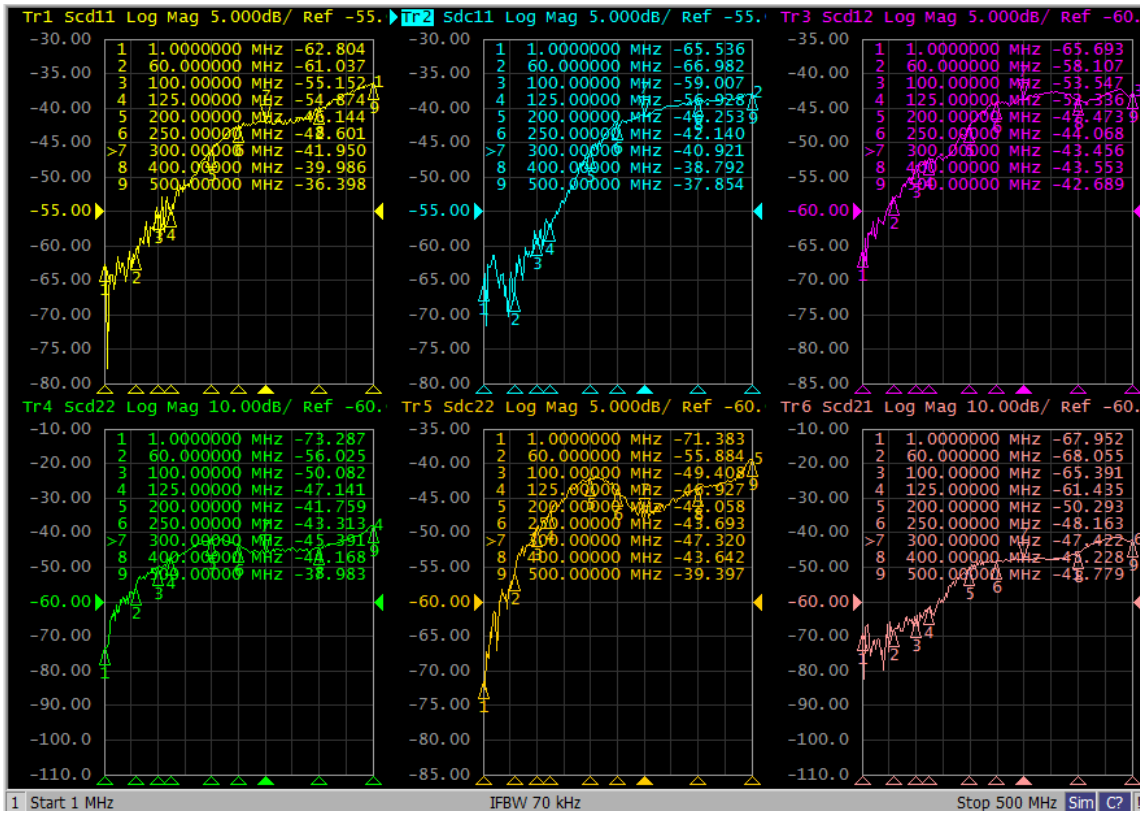
Reflected CM to Diff Conversion(Scd11 / Scd22)

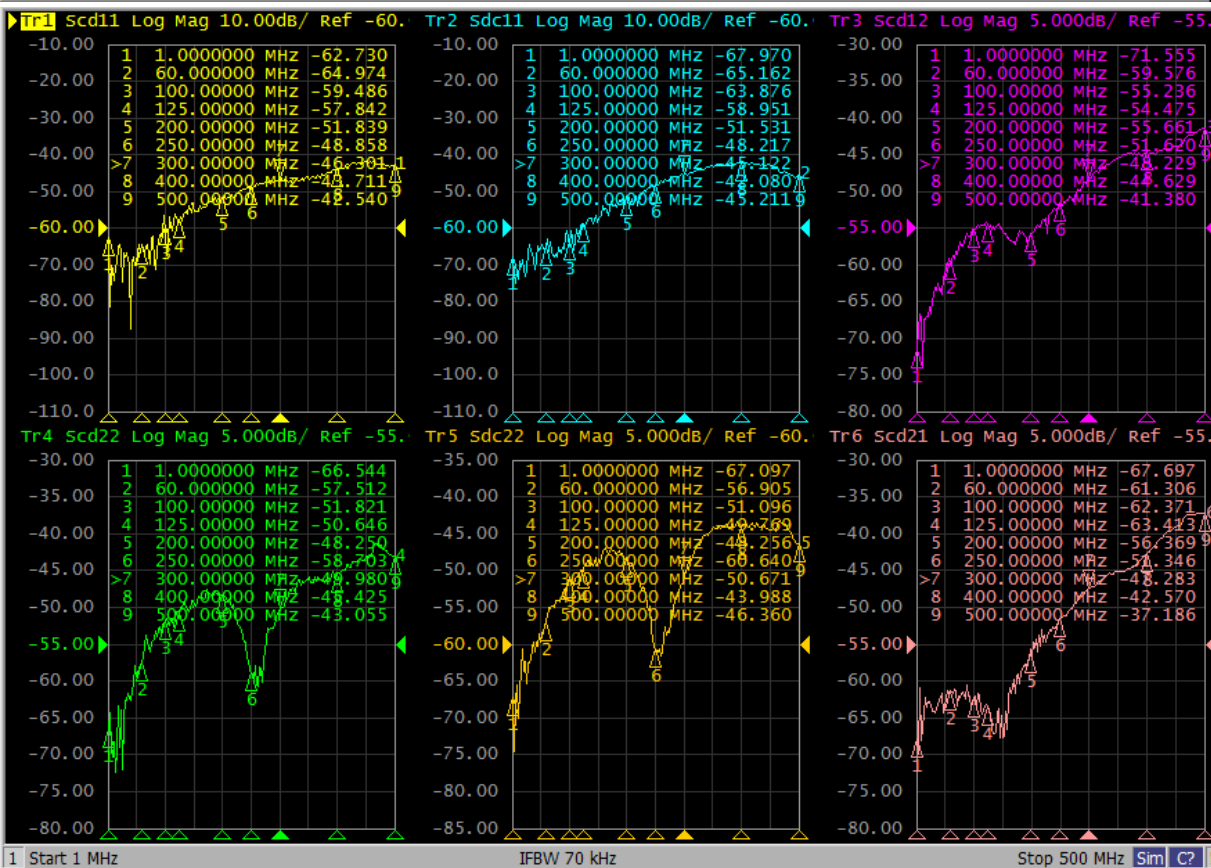
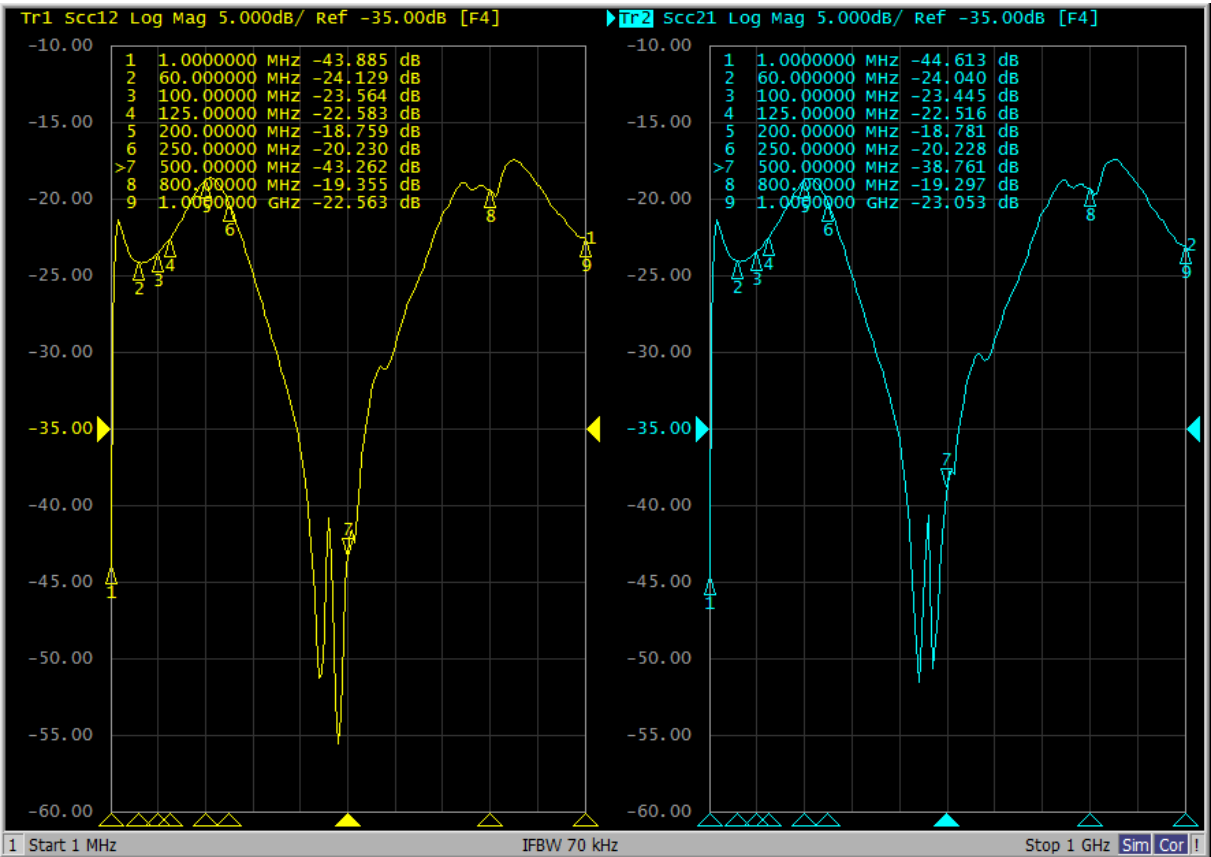
Reflected Diff to CM Conversion(Sdc11 / Sdc22)

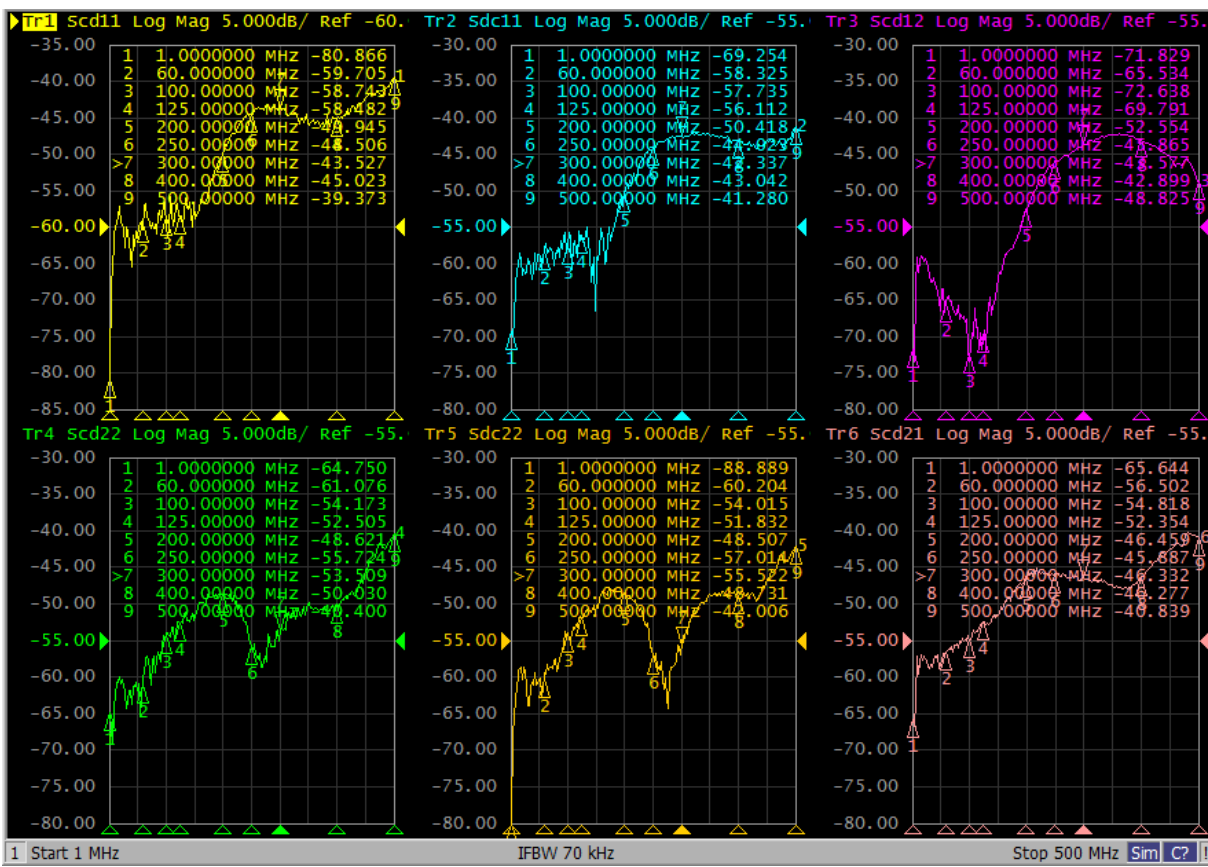
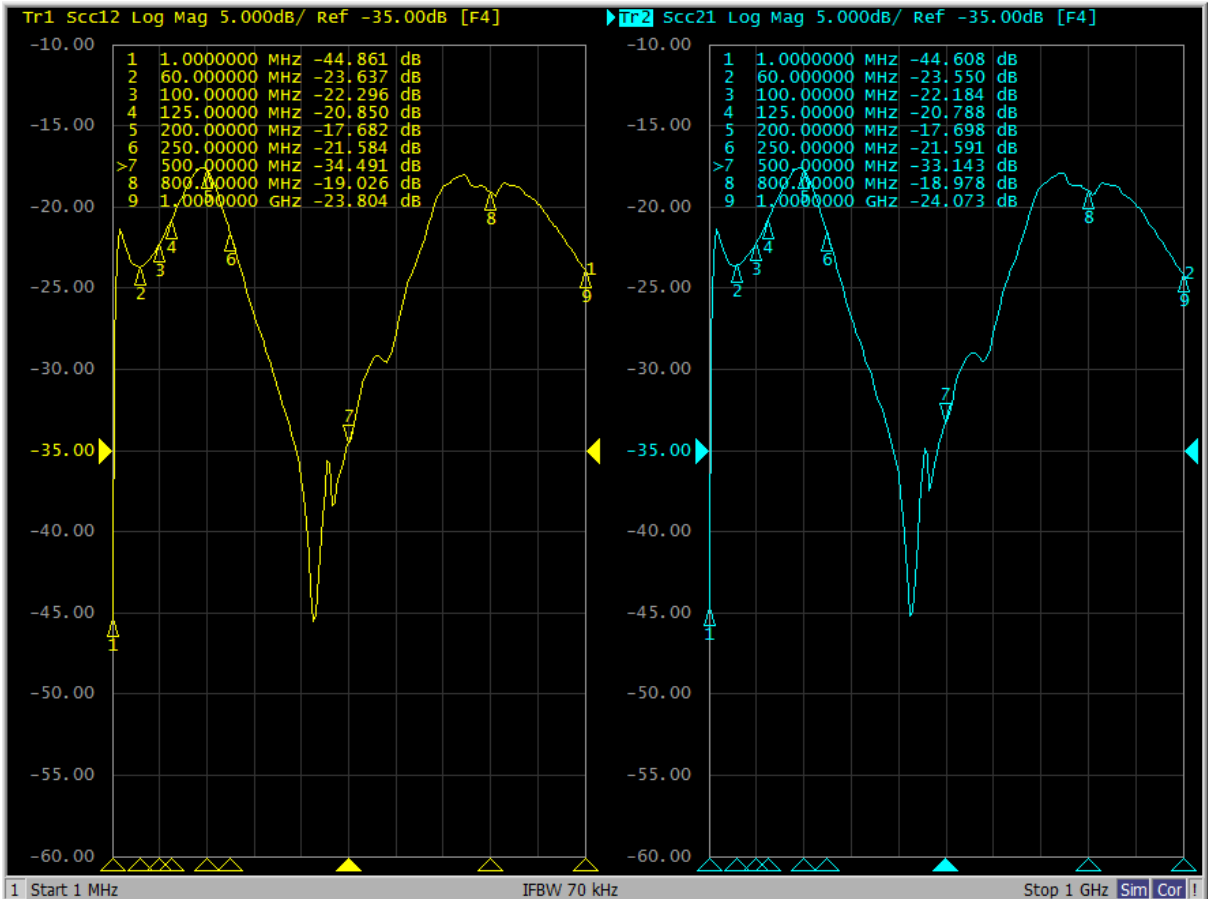
CM to DM Conversion (Scd12 / Scd21)

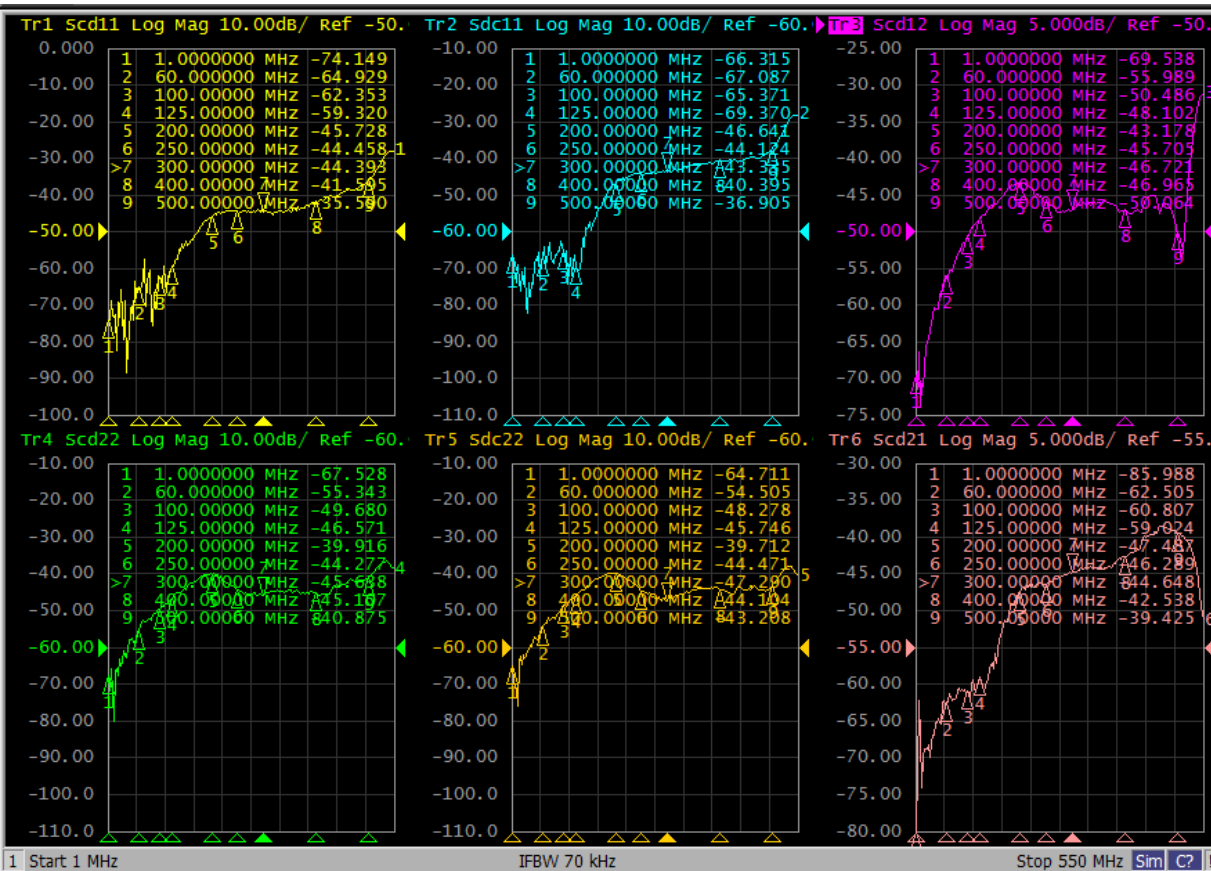
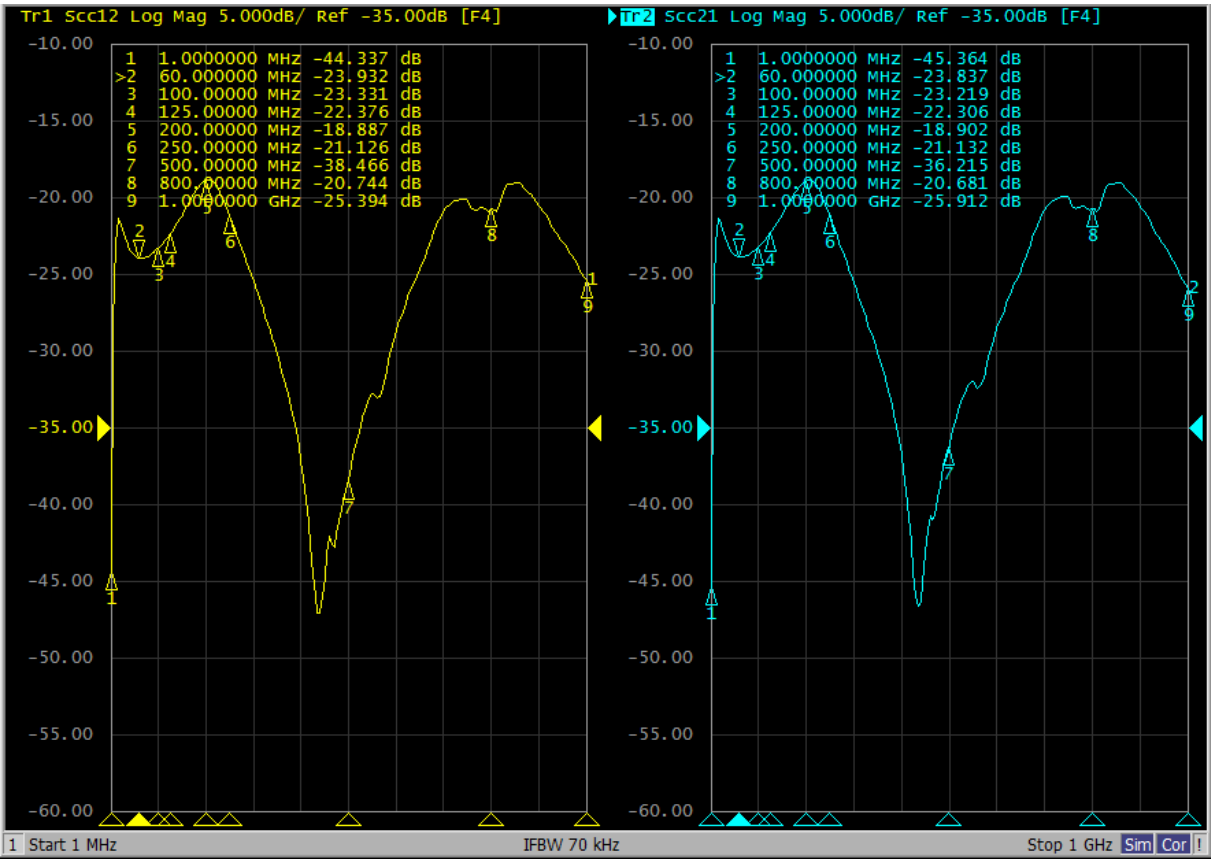
CM to CM Attenuation (Scc12 / Scc21)

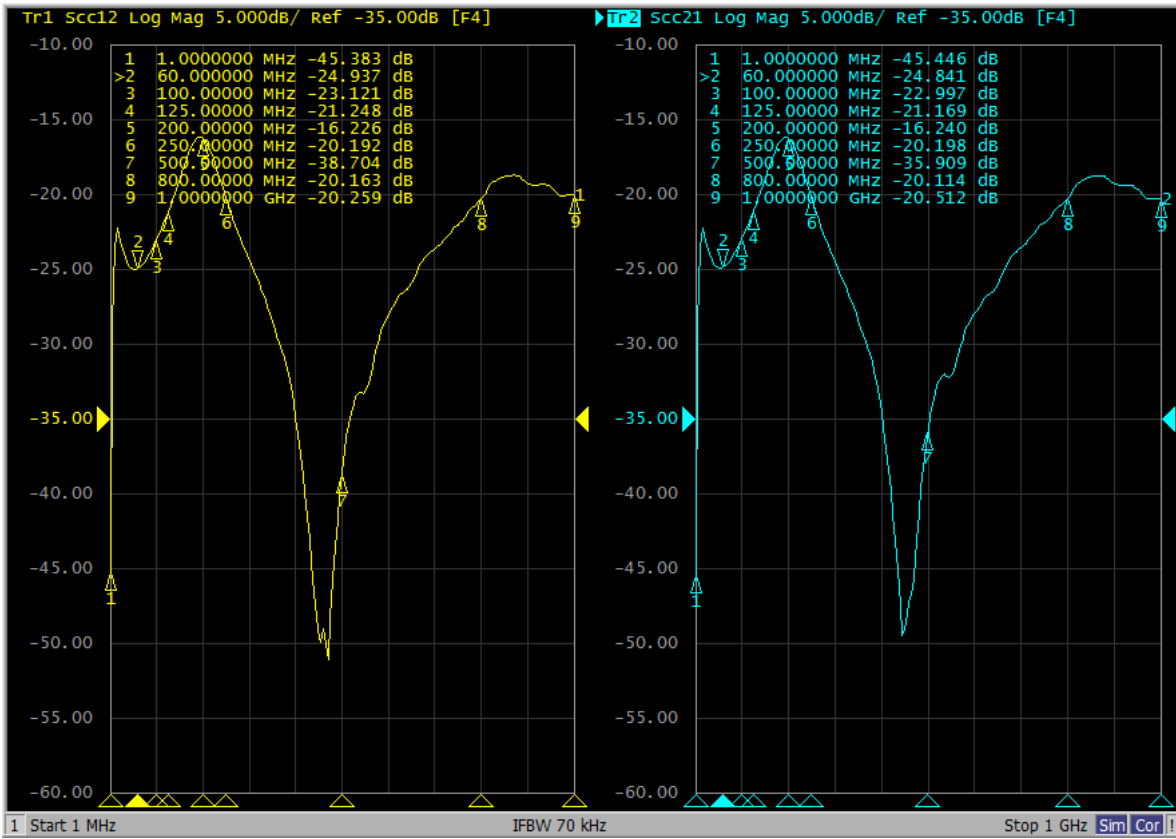
Sample#2











Address: No.21,Lu.39,Sec.2,Chang'an Rd.,Lnzhu dist.,Taoyuan City 338,Taiwan(R.O.C.)

Tel : + 886-3-3228575 Fax : + 886-3-3226955

Http: www.ellax.com.tw E-mail: YL@ellax.com.tw