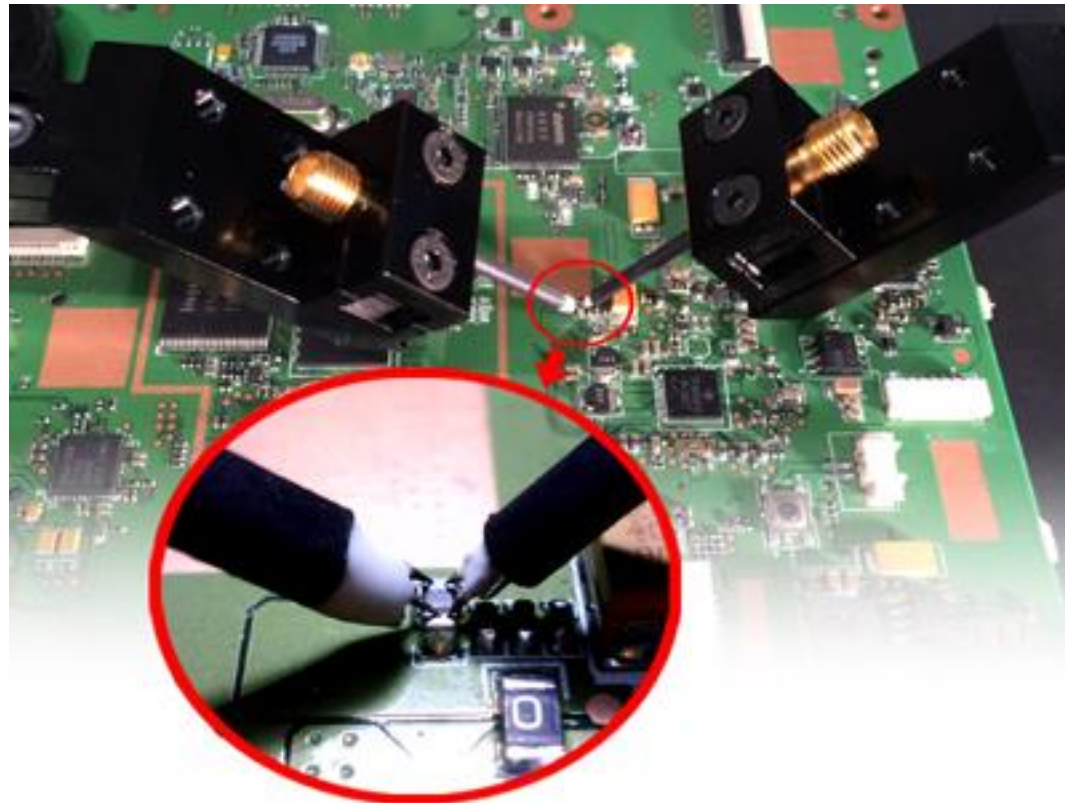


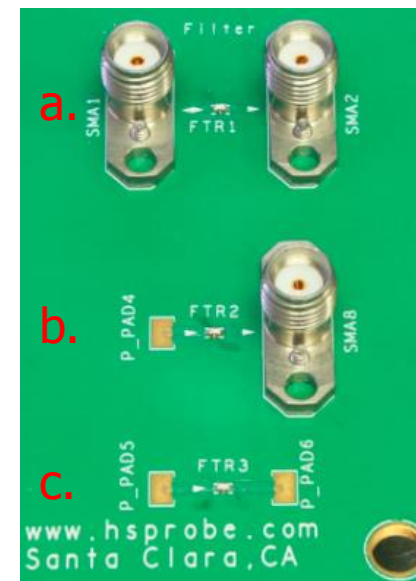
RProbe RF Measurement



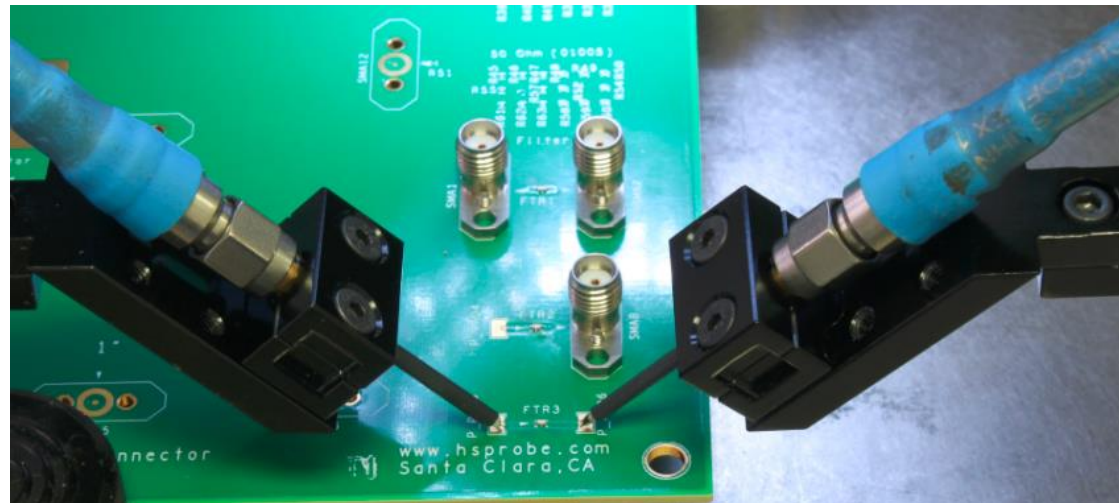
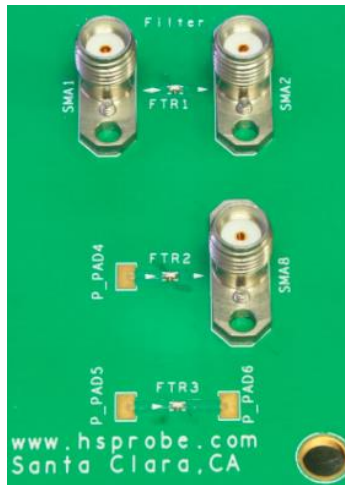
Test Setup

- TDK 2.45 GHz Low Pass Filter (P/N: DEA102500LT-6307A1, Size 0402)
- Molex 27 GHz SMA (P/N:73251-1850)
- Test Board (Megtron6) Configuration
 - a. SMA – LPF – SMA
 - b. Probe Pad – LPF – SMA
 - c. Probe Pad – LPF – Probe Pad
 - d. Soldered Cable – LPF - SMA

1" 47-mil semi-rigid
RF cable

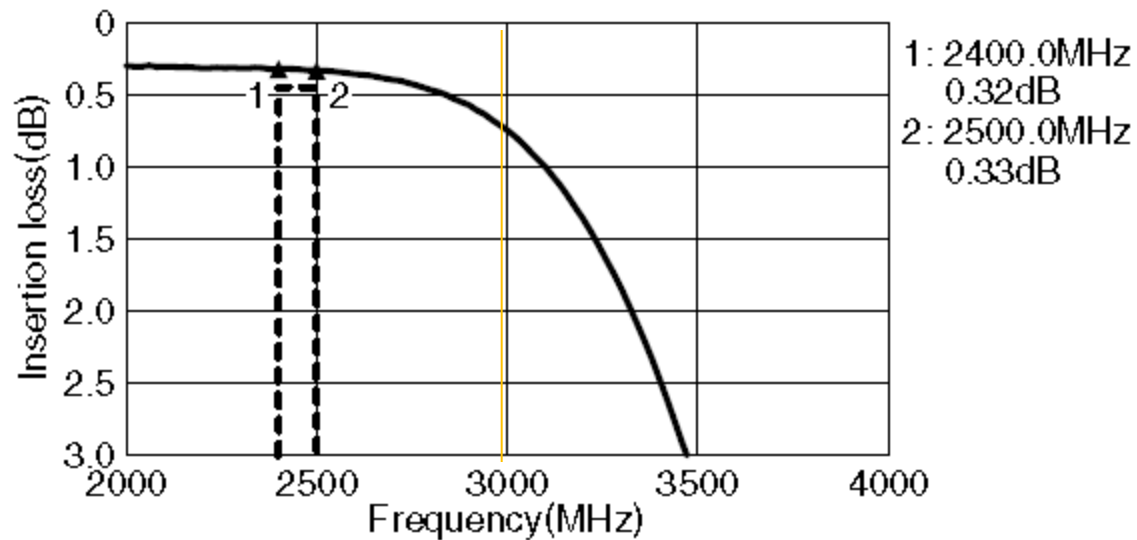


Test Setup cont.

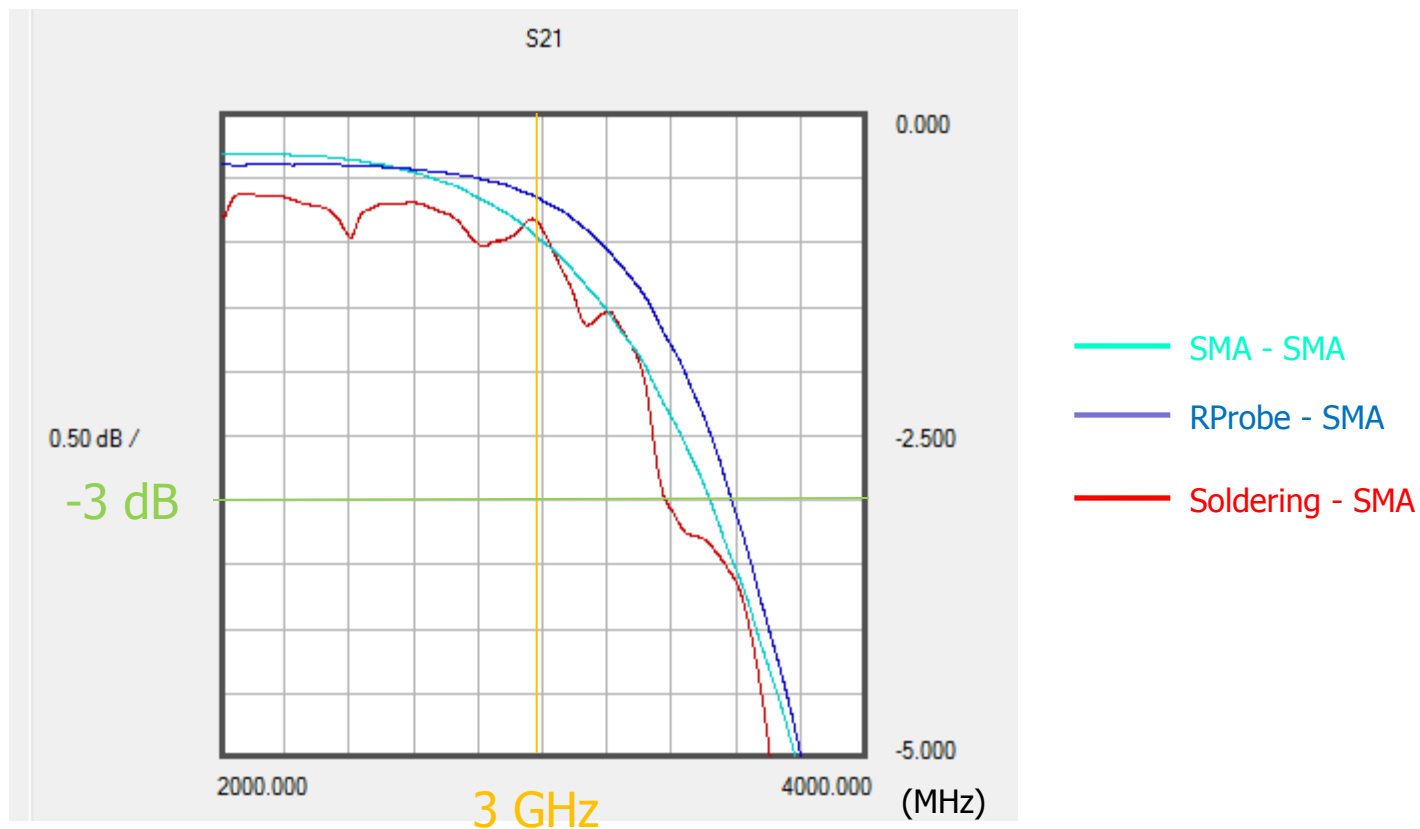


TDK LPF Insertion Loss (S21)

INSERTION LOSS (TDK Datasheet)

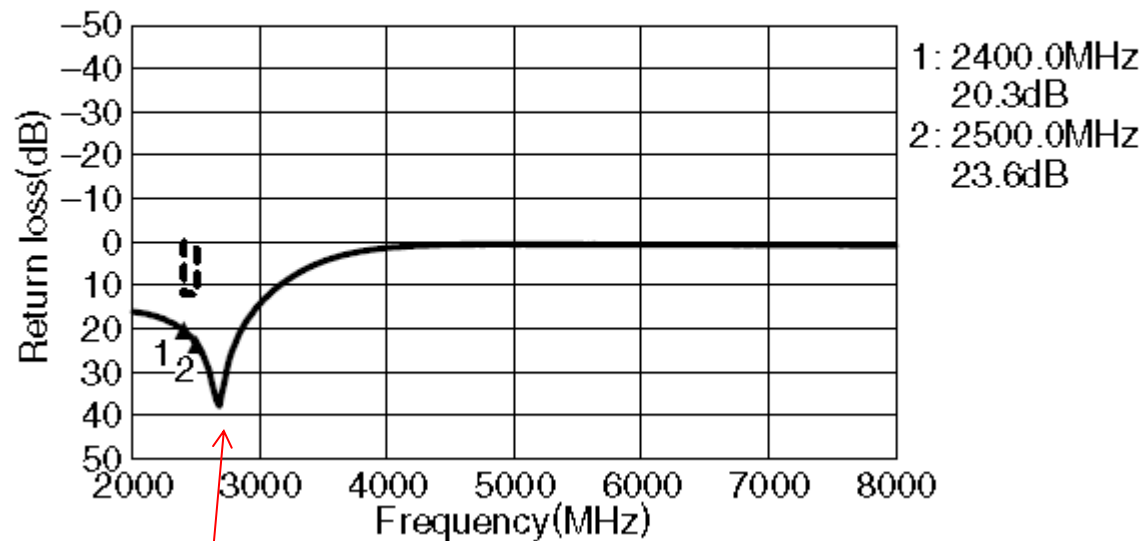


Measured Insertion Loss (S21)



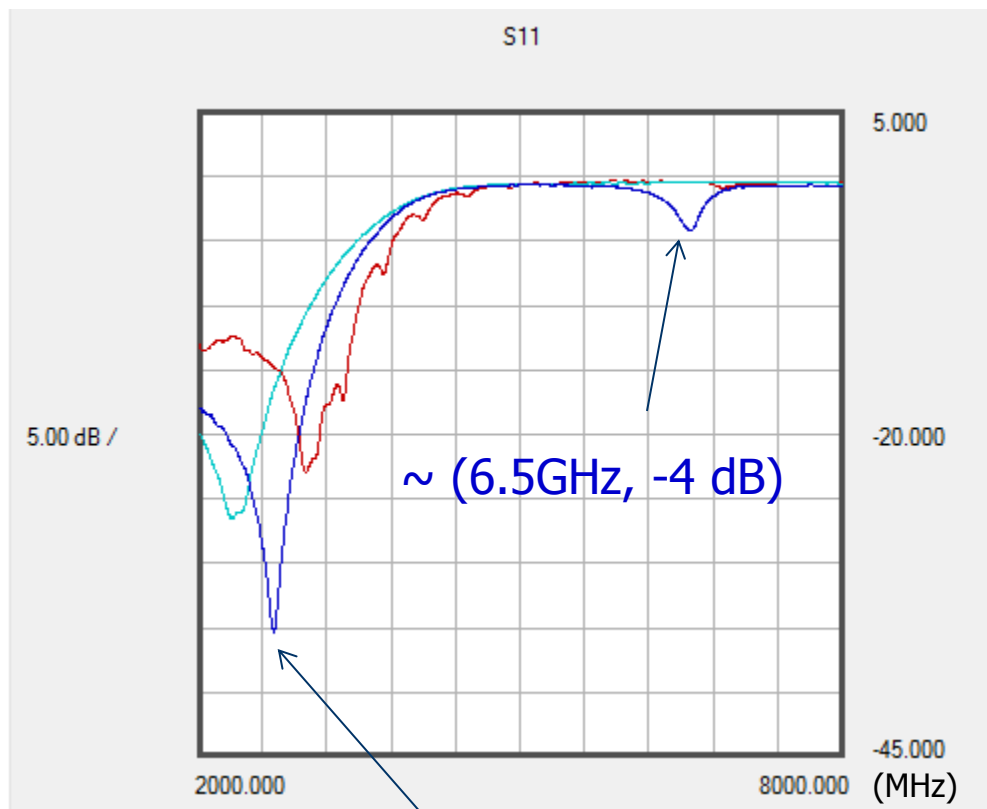
TDK LPF Return Loss (S11)

RETURN LOSS (TDK Datasheet)



~ (2.7GHz, -37 dB)

Measured Return Loss (S11)

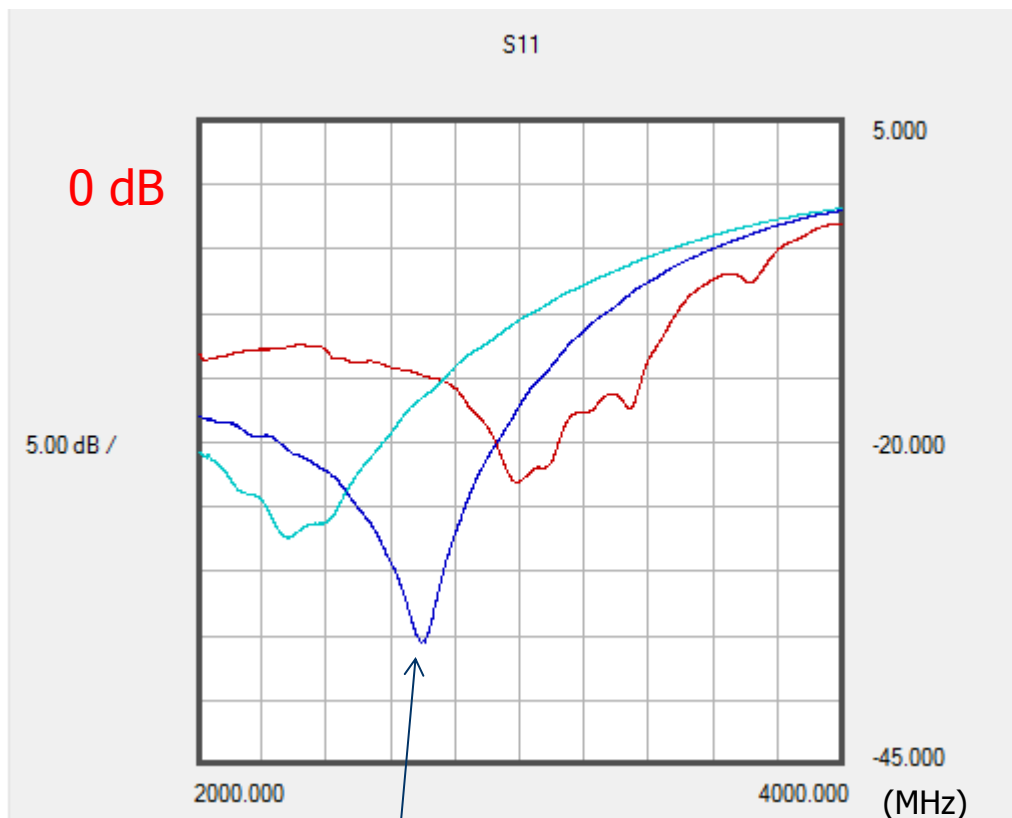


- SMA - SMA
- RProbe - SMA
- Soldering - SMA

~ (2.7GHz, -35 dB)

~ (6.5GHz, -4 dB)

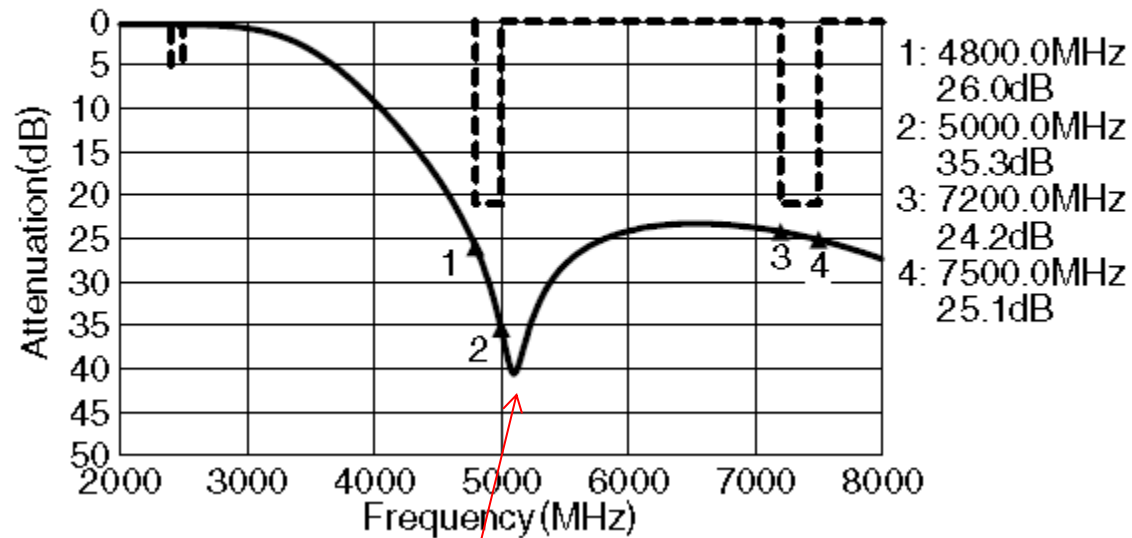
Measured Return Loss (S11) – cont.



~ (2.7GHz, -35 dB)

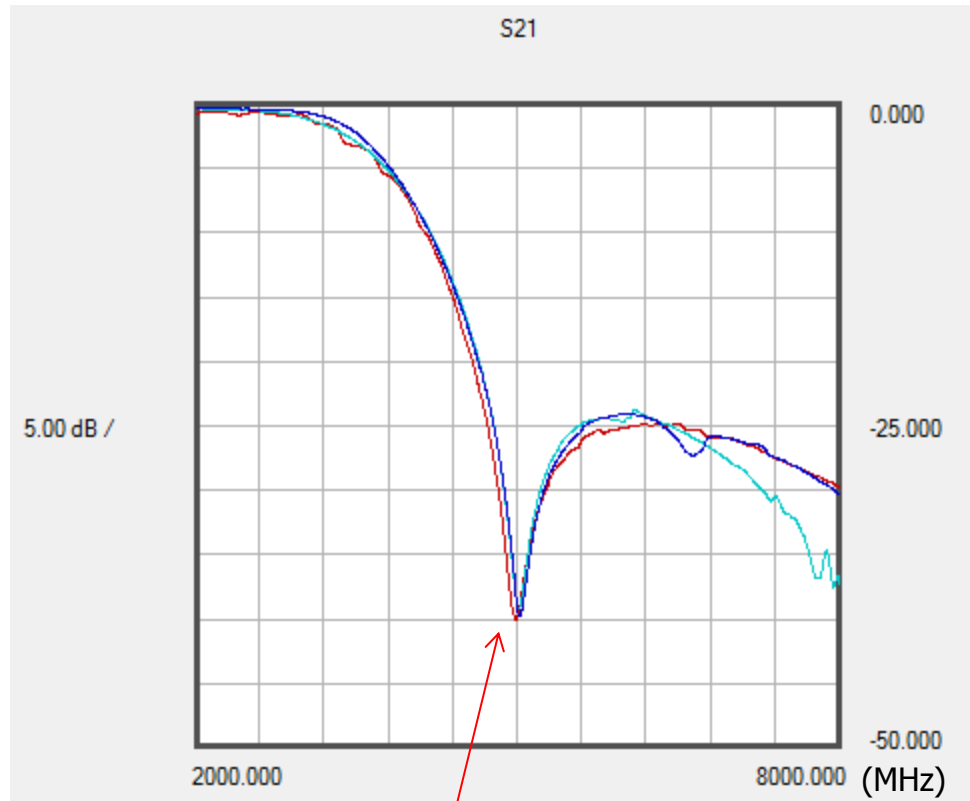
TDK LPF Attenuation (S21)

ATTENUATION (TDK Datasheet)



~ (5.1 GHz, -41 dB)

Measured Attenuation (S21)



- SMA - SMA
- RProbe - SMA
- Soldering - SMA

~ (5 GHz, -40 dB)

Thank You

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- Calibration substrates

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