



VNA measurements of the TCSPM05

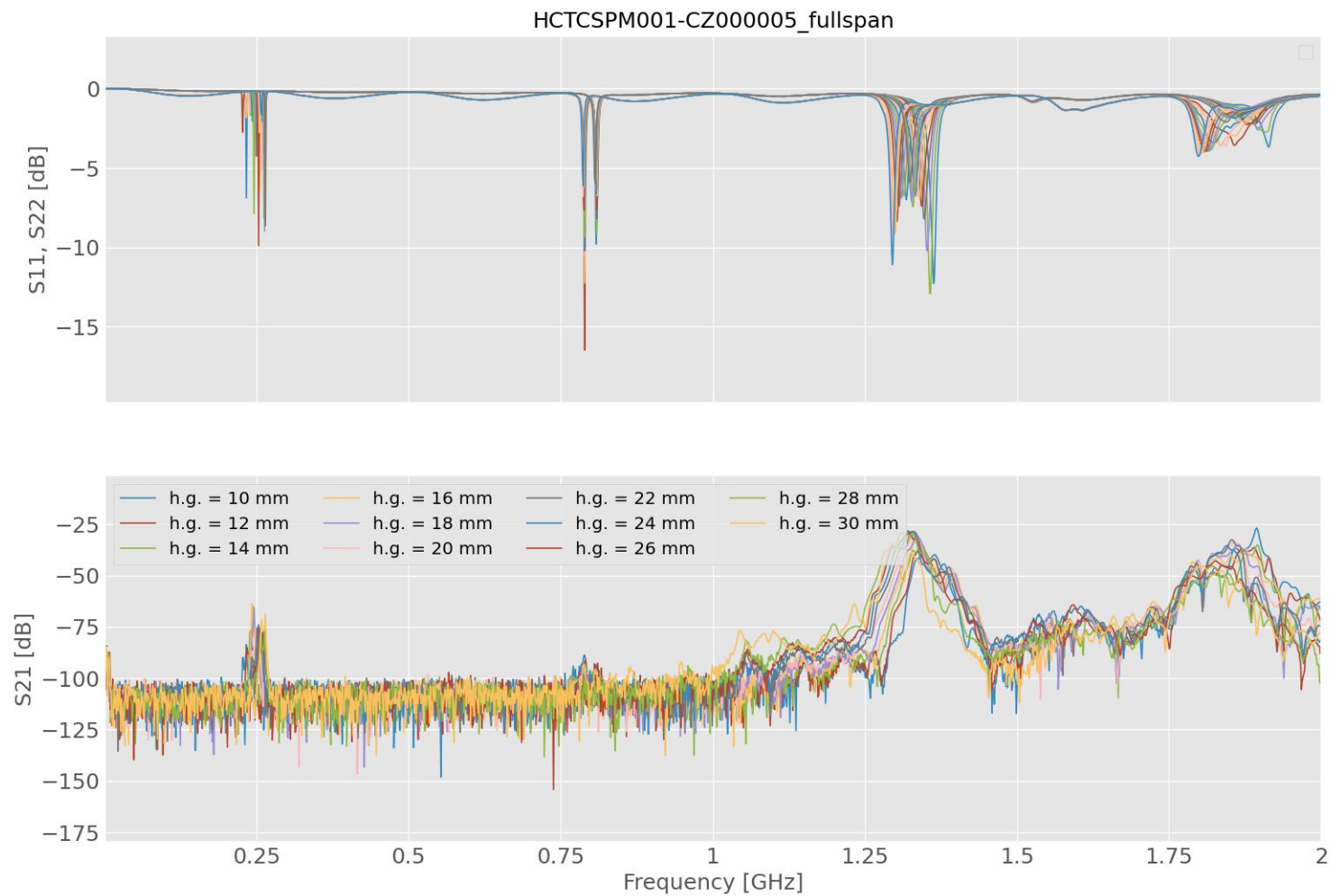
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Ack: N. Biancacci, F. Caspers, R. Illan Fiastre, I. Llamas Garcia, J. Lendaro, A. Kurtulus, F. Giordano, E. Métral, B. Salvant, C. Vollinger

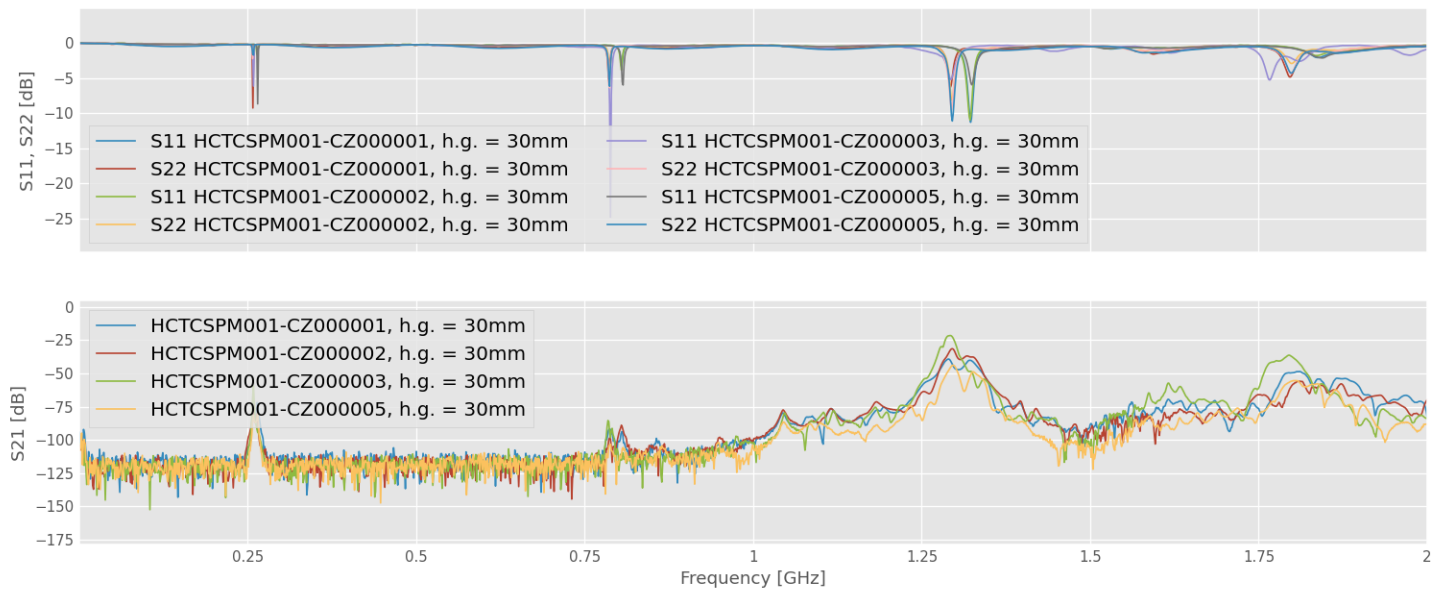
Measurements performed

- Measurements with on axis electric pickups
- Measurements from the BPM SMA connectors

Measurements with electric pickups

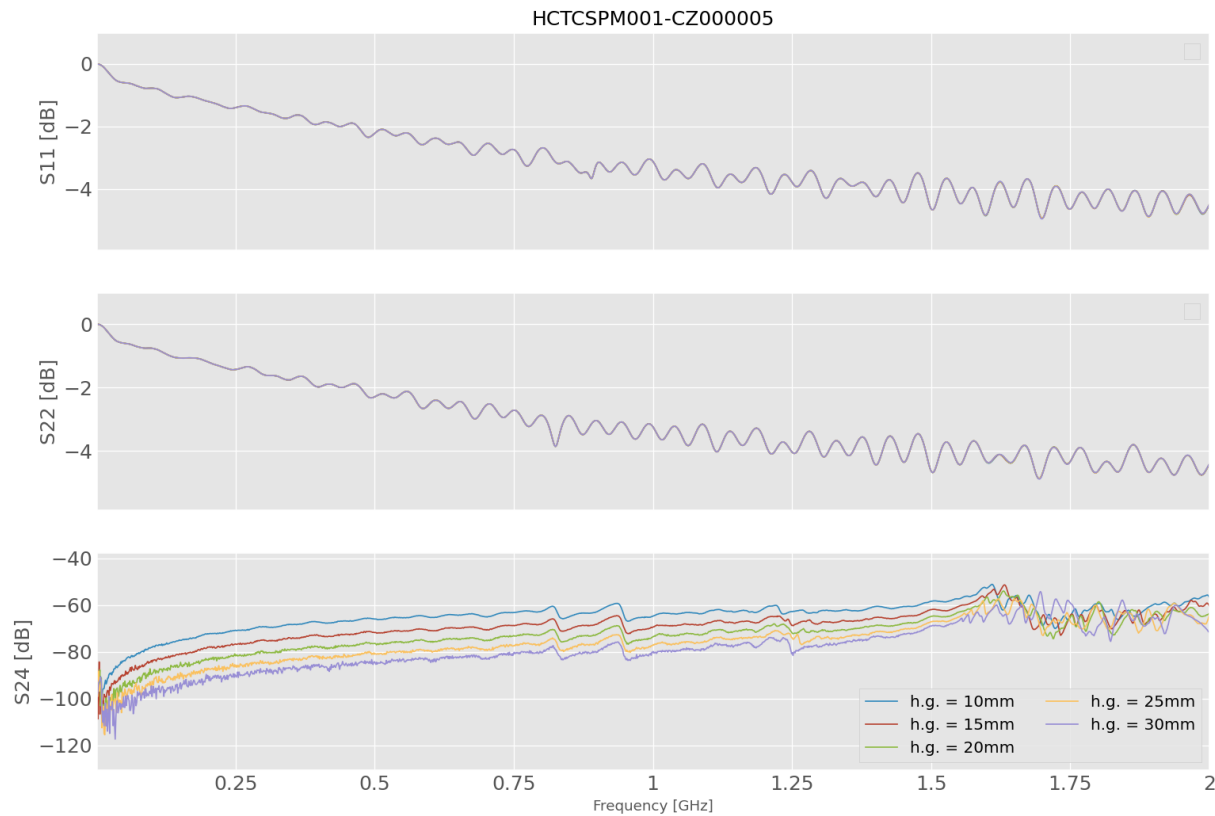


Measurements with electric pickups

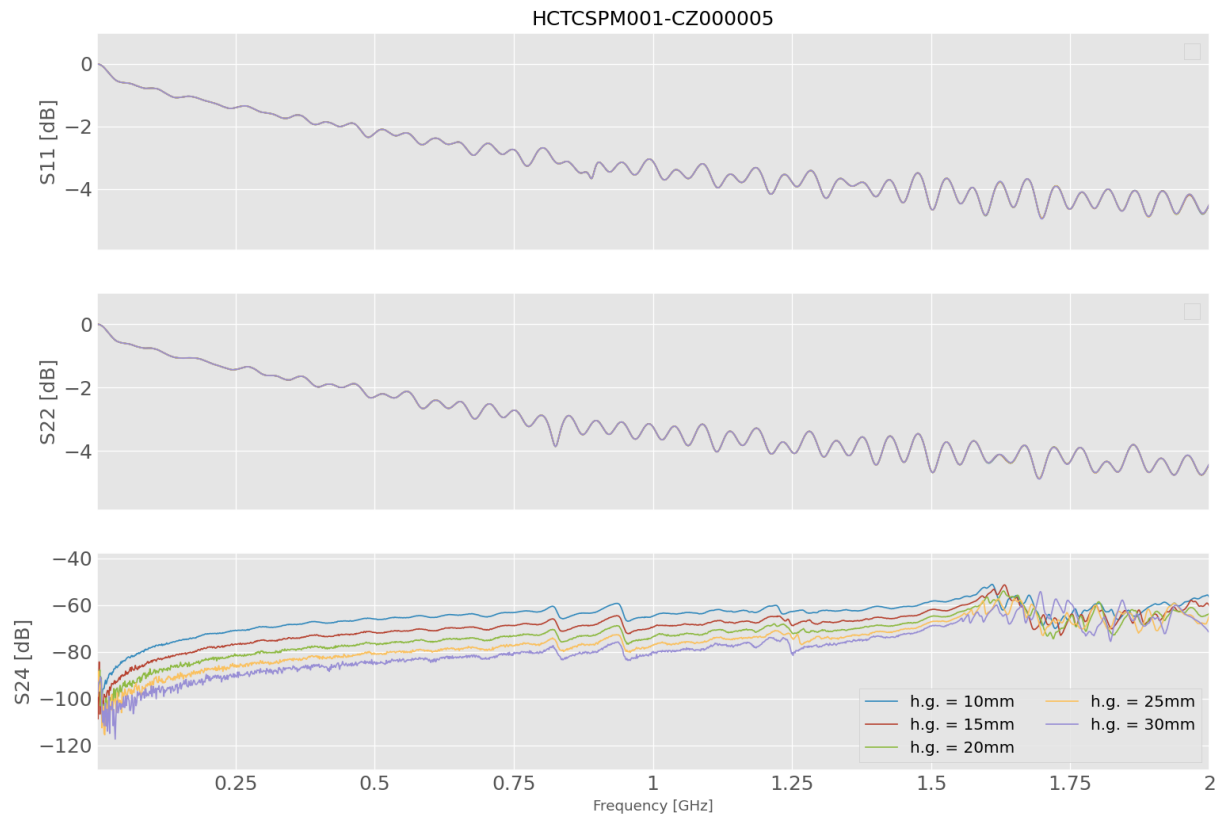


Behavior similar to the previous TCSPM. No anomalies in the frequency response with on axis electrical pickups

Measurements from the BPM buttons

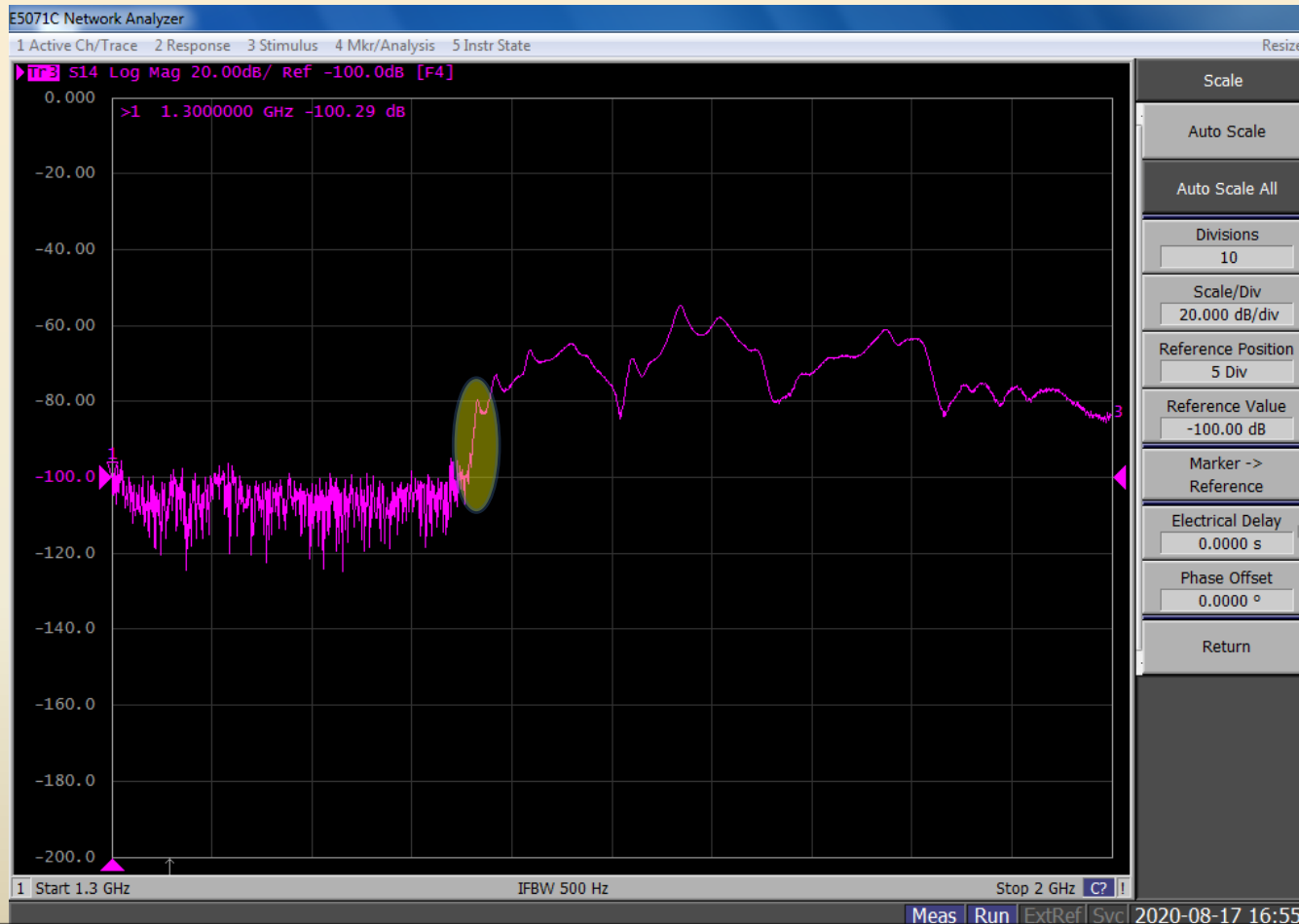


Measurements from the BPM buttons



Behavior similar to the previous TCSPM. No anomalies in the frequency response from the BPM buttons

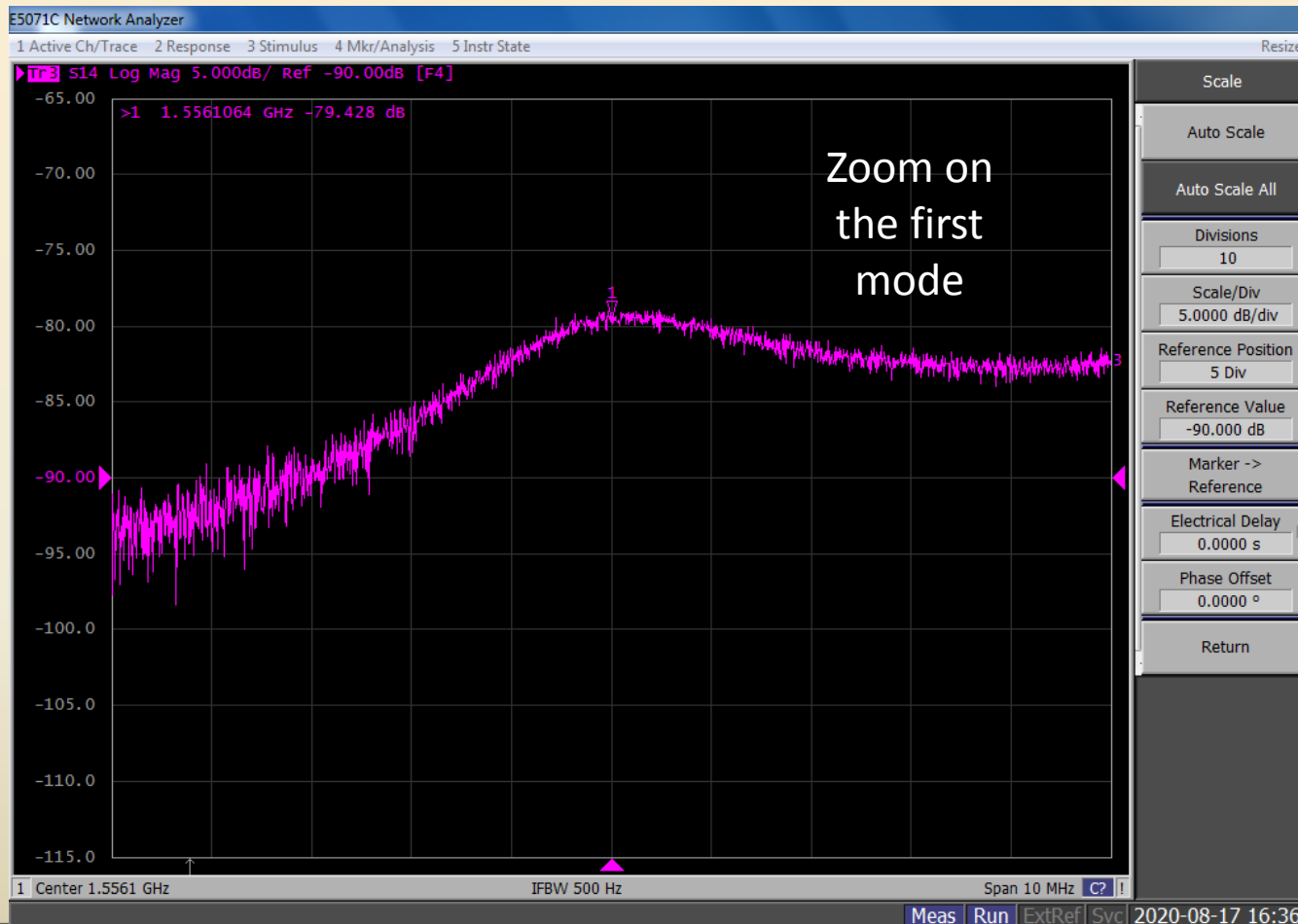
Measurements from the BPM buttons



Cut-off measurements for the determination of the material properties

Half-Gap scan: 10, 15, 20, 22, 24, 26, 28, 30

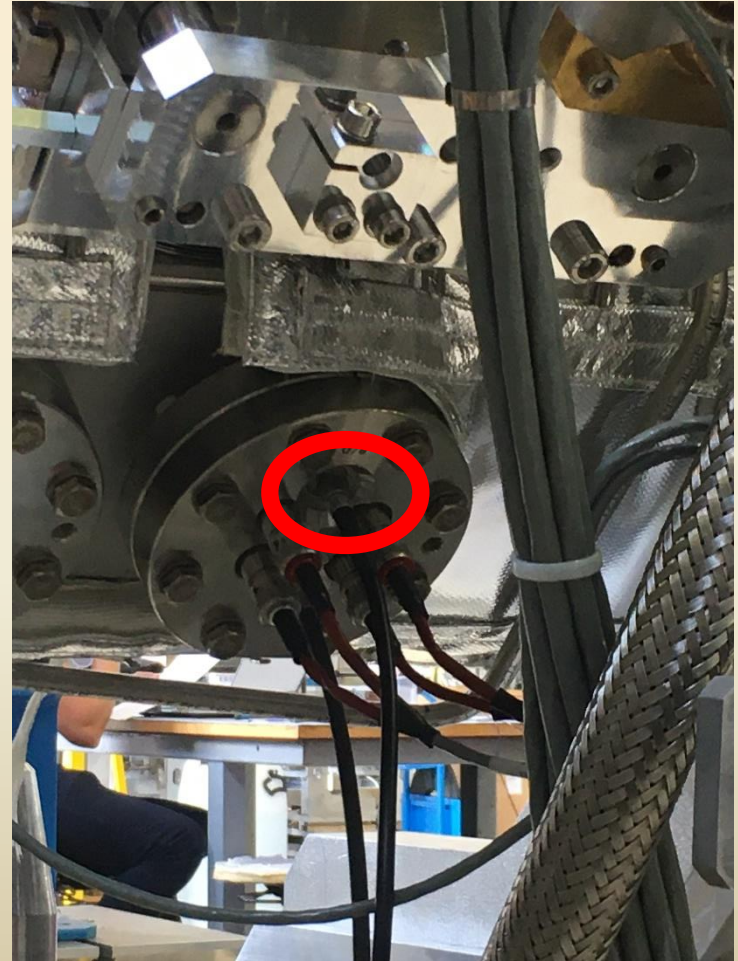
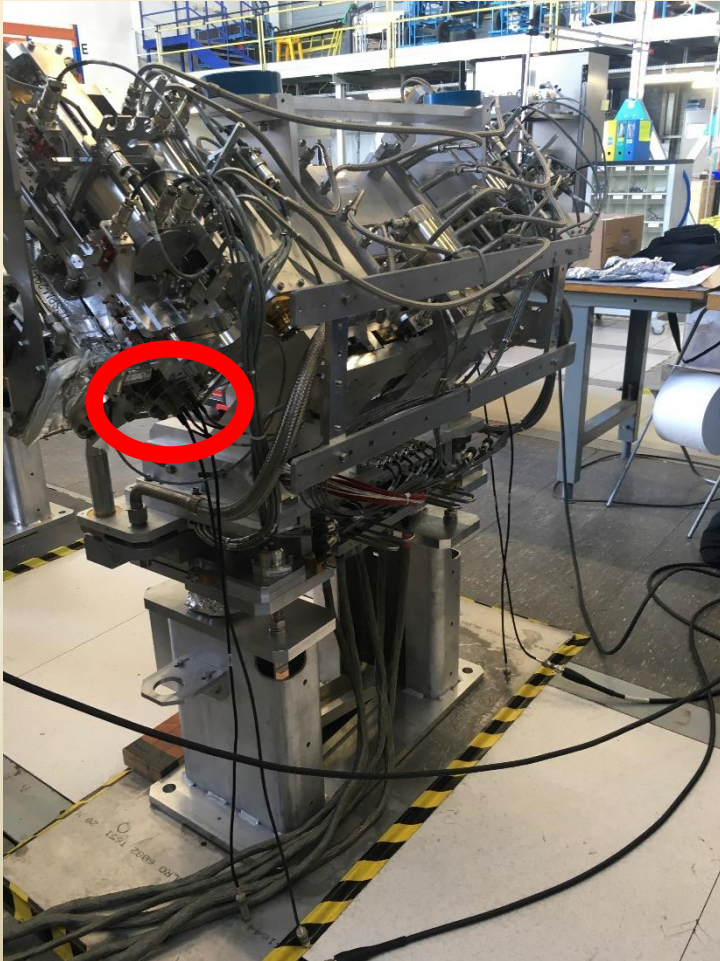
Measurements from the BPM buttons



Cut-off measurements for the determination of the material properties

Half-Gap scan: 10, 15, 20, 22, 24, 26, 28, 30

Measurements from the BPM buttons



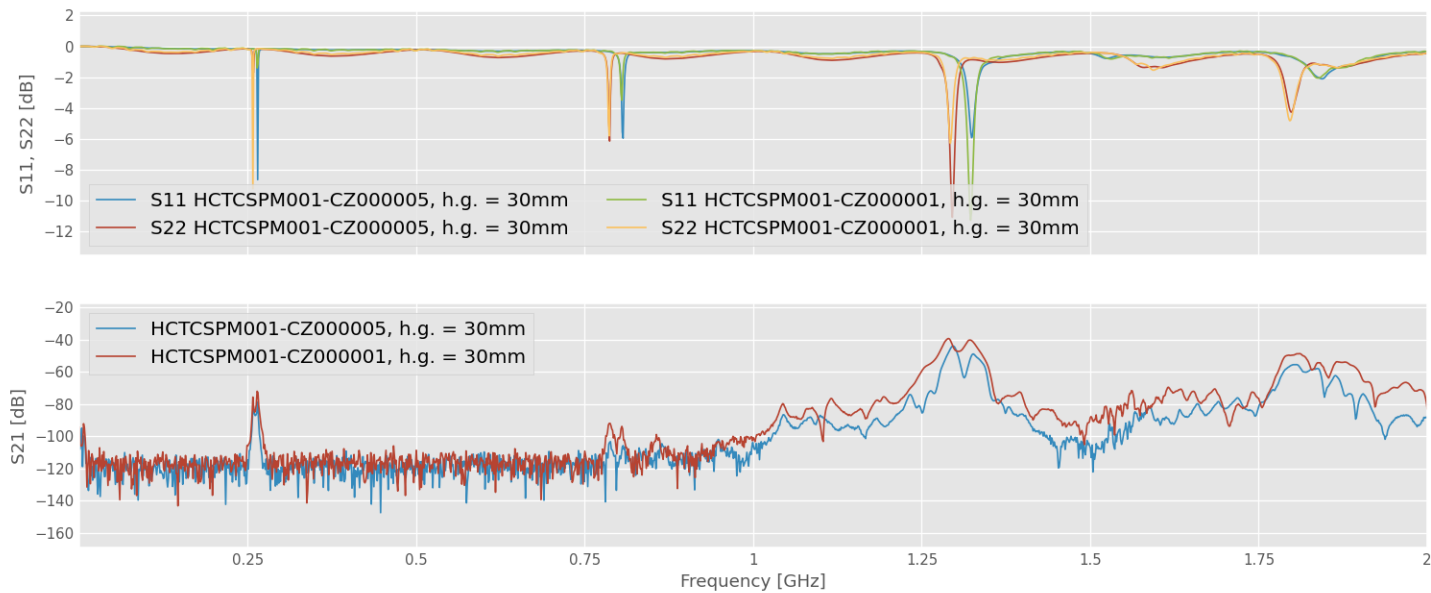
Conclusions

- Behavior similar to the previous TCSPM. No anomalies in the frequency response from the BPM buttons
 - Collimator impedance is considered to be acceptable

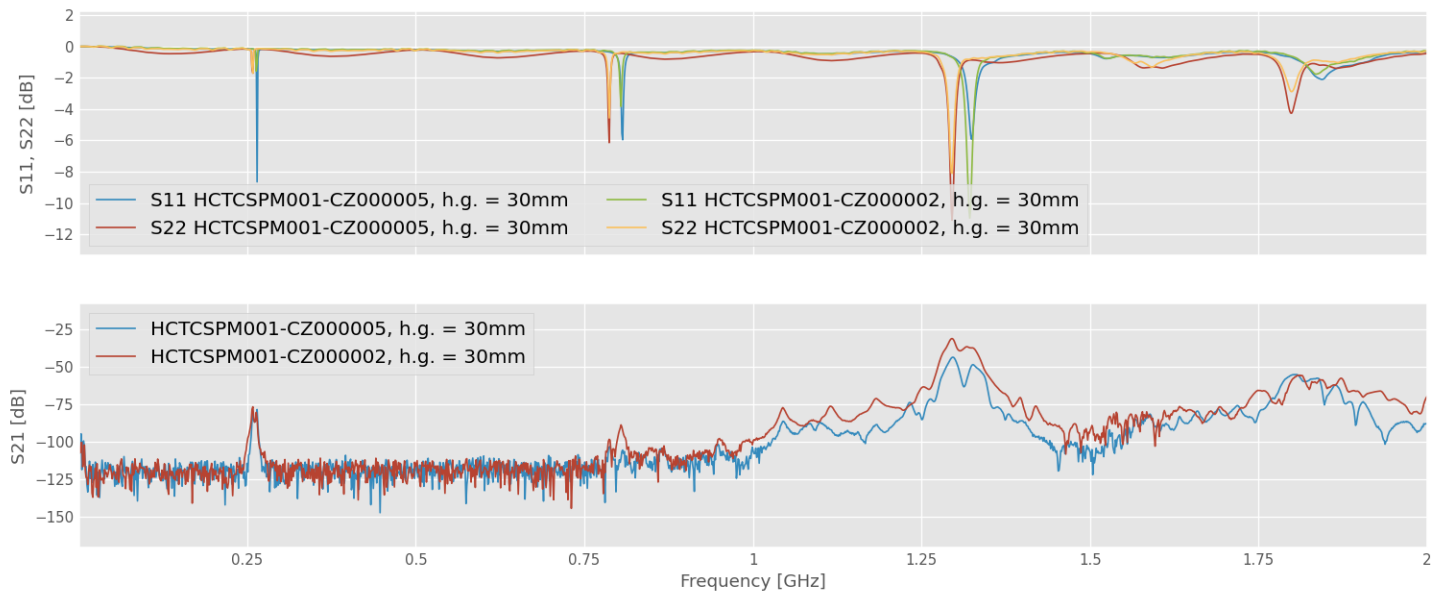
Thank you for your attention

Appendix

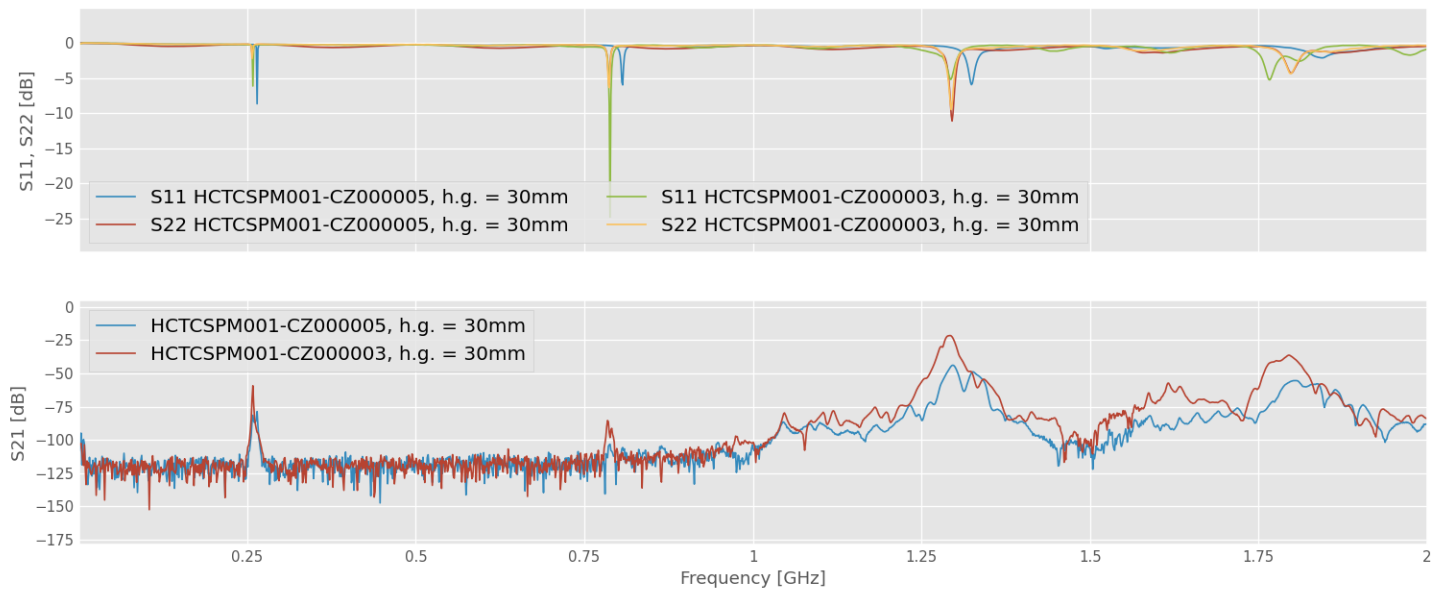
Measurements with electric pickups



Measurements with electric pickups



Measurements with electric pickups



Measurements with electric pickups

