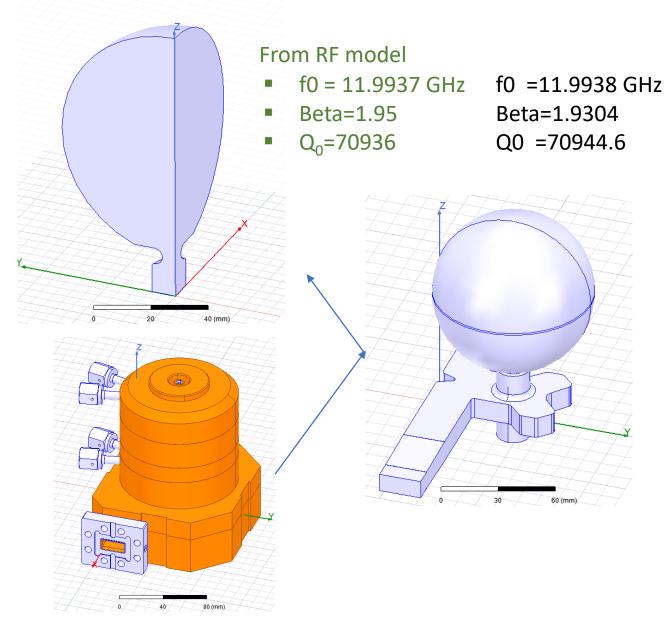
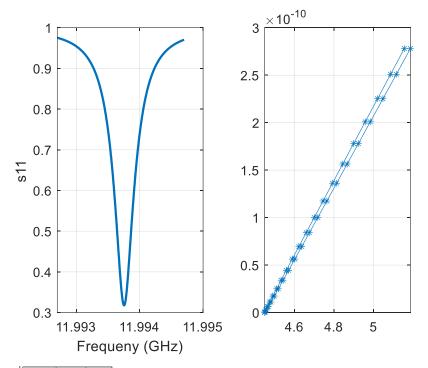
RF check and preliminary thermal calculation of the CC cavities and RF rotator

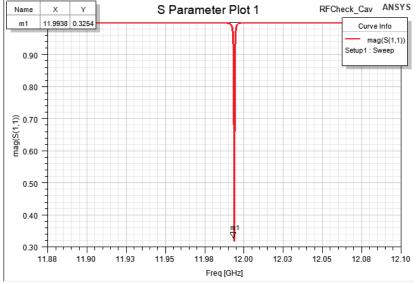
Ping Wang, Alexej Grudiev

10.10.2022

RF check of the spherical CC

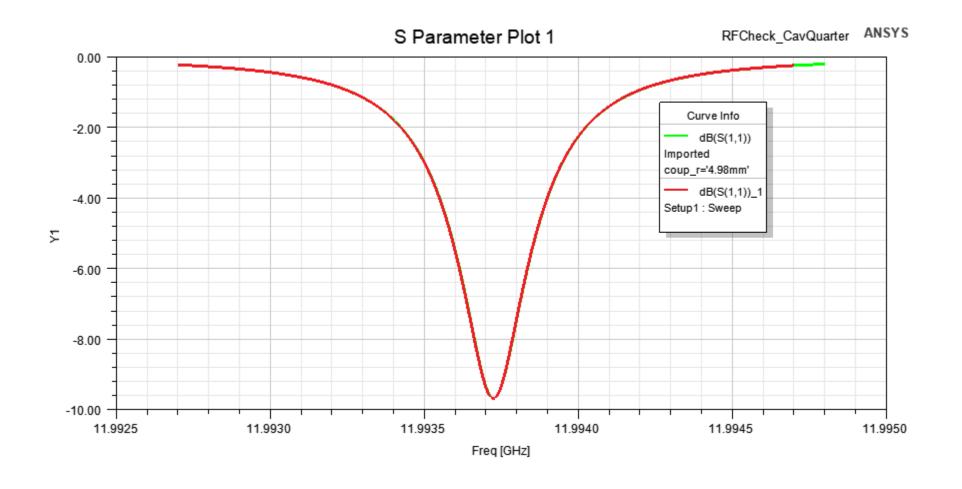




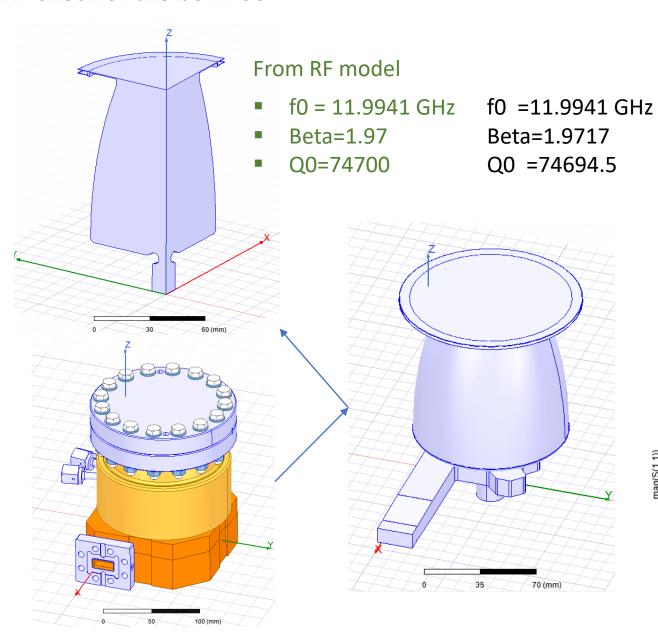


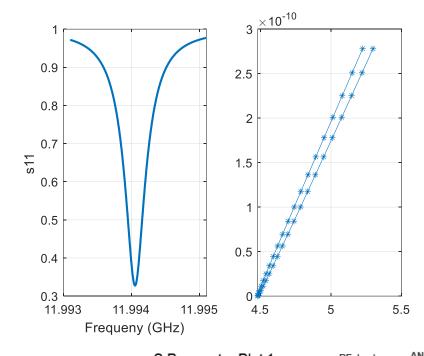
RF check of the spherical CC

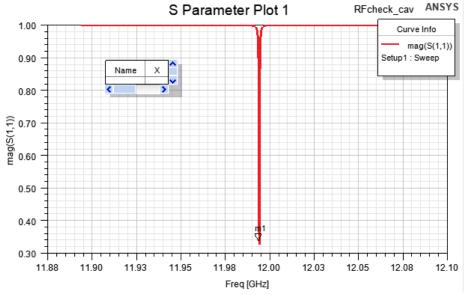
The s11 of RF model and the s11 from mechanical are identical.



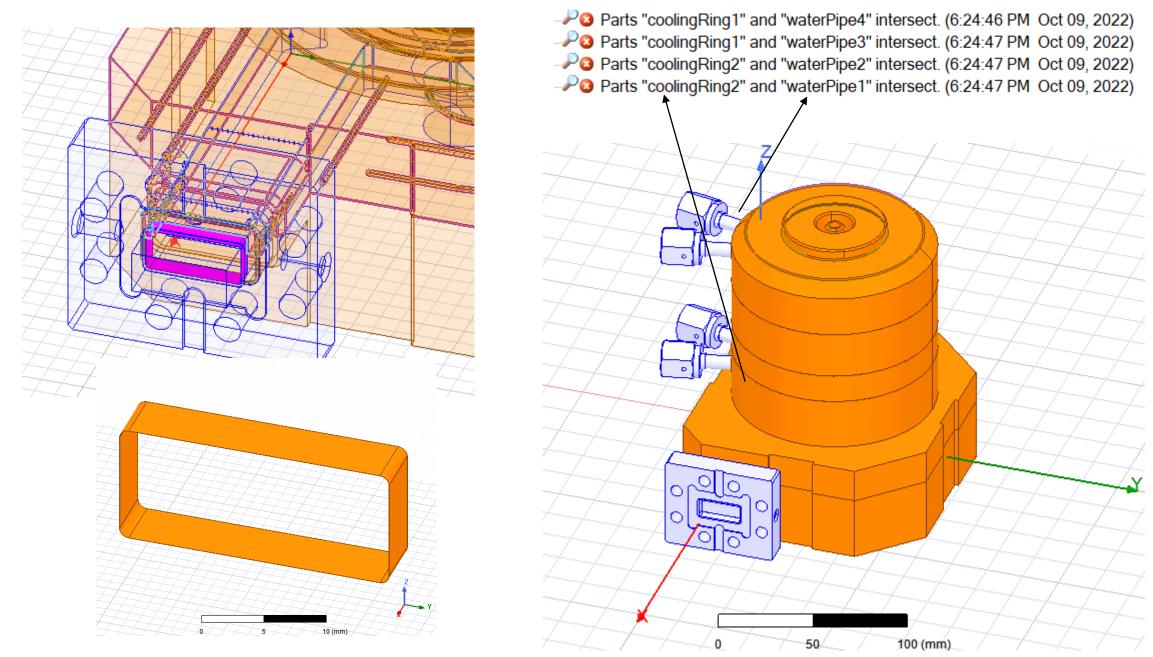
RF check of the bowl CC







Deleted parts in the mechanical model before the thermal calculation



Preliminary thermal calculation of the spherical cavity

Parameters of the klystron	
Peak power [MW]	50
Pulse length [μs]	2.0
Repetition rate [Hz]	50
Average power [kW]	5.0

