

# AFMG Reflex Report

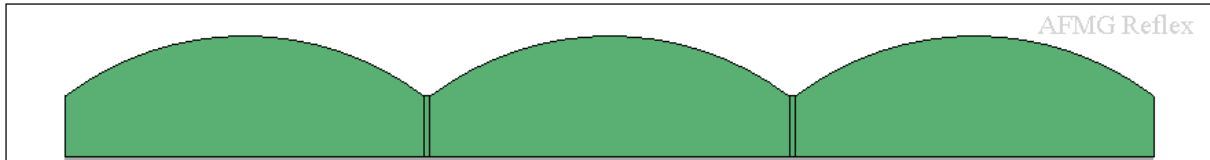


Creation date: 20.09.2025  
AFMG Reflex Version: 1.0.9

# 1. Models

## 1.1 Semiellipses\_6\_periods\_10cm\_deep

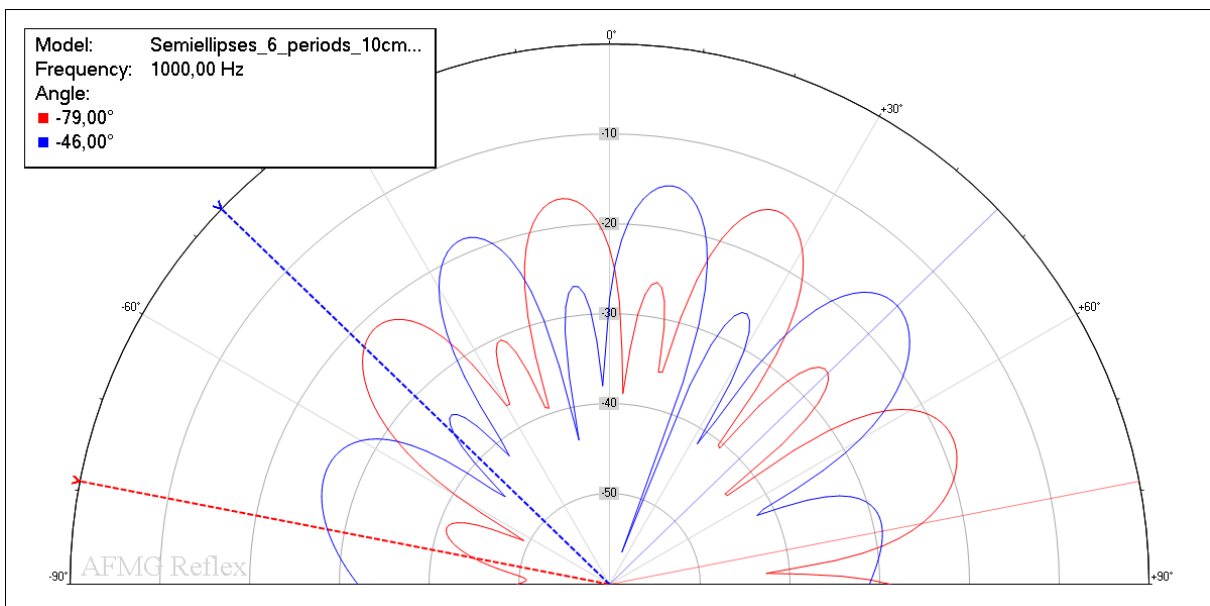
### 1.1.1 Model Outline



Model Outline

Element no.	Type	Width[cm]	Depth Base[cm]	Depth Top[cm]
1	Circle	60,0	20,0	10,0
2	Rectangle	1,0	10,0	0,0
3	Circle	60,0	20,0	10,0
4	Rectangle	1,0	10,0	0,0
5	Circle	60,0	20,0	10,0

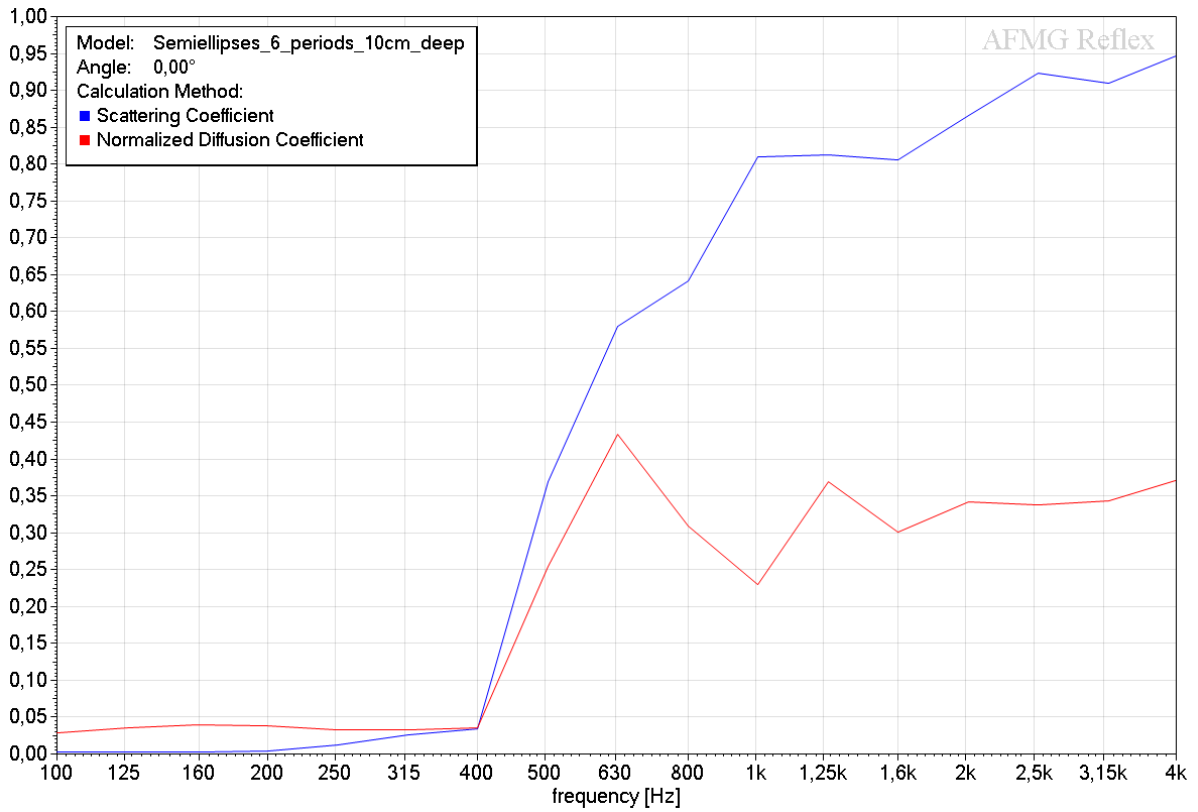
### 1.1.2 Spatial Response Plot



Spatial Response

### 1.1.3 Coefficients Plots

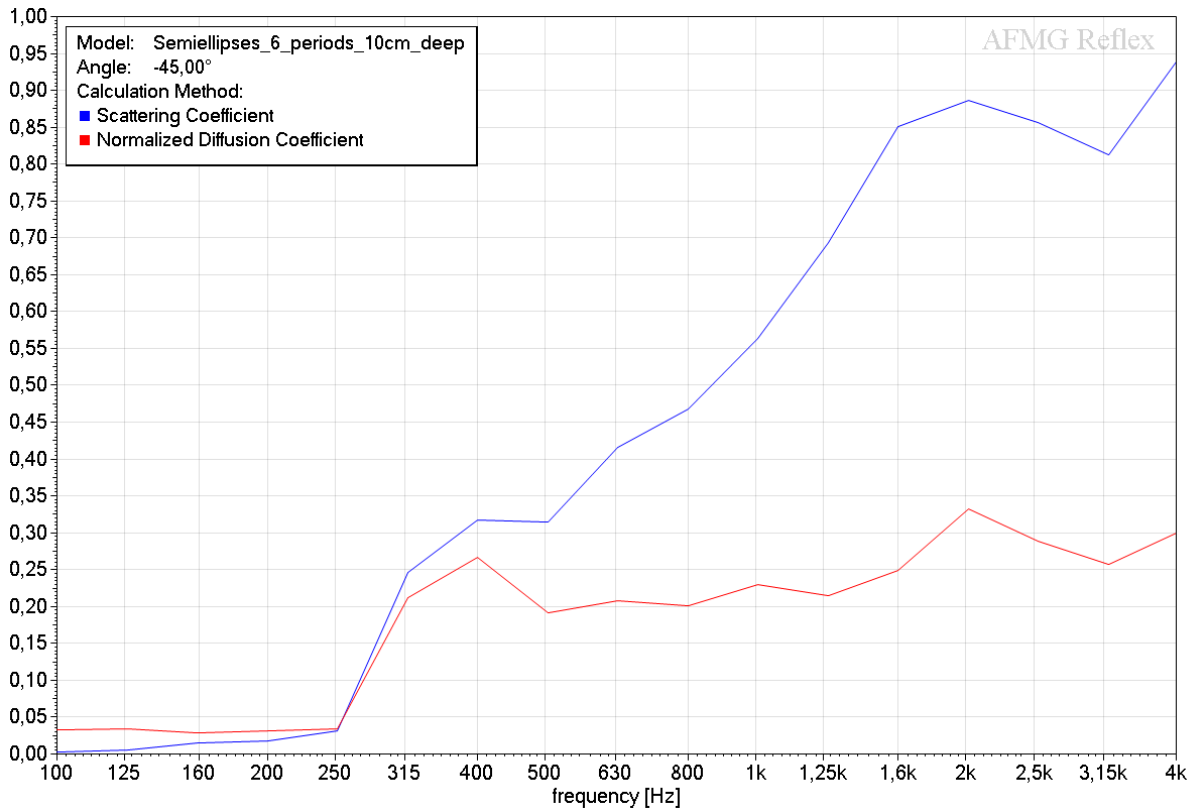
Angle: 0°, Frequency Range: [100 Hz, 4000 Hz] (From Current Selection)



Coefficients (From Current Selection)

Frequency [Hz]	Scattering Coefficient	Normalized Diffusion Coefficient	Diffusion Coefficient
100	0,002	0,029	0,572
125	0,003	0,036	0,523
160	0,002	0,040	0,456
200	0,004	0,038	0,379
250	0,012	0,033	0,310
315	0,027	0,032	0,260
400	0,034	0,035	0,220
500	0,370	0,254	0,370
630	0,581	0,433	0,504
800	0,642	0,309	0,378
1000	0,809	0,230	0,290
1250	0,813	0,369	0,408
1600	0,805	0,301	0,335
2000	0,866	0,342	0,367
2500	0,924	0,338	0,358
3150	0,910	0,343	0,358
4000	0,948	0,373	0,383

Angle: -45°, Frequency Range: [100 Hz, 4000 Hz]



**Coefficients**

Frequency [Hz]	Scattering Coefficient	Normalized Diffusion Coefficient	Diffusion Coefficient
100	0,003	0,033	0,526
125	0,005	0,034	0,464
160	0,015	0,029	0,414
200	0,018	0,032	0,381
250	0,031	0,034	0,343
315	0,246	0,212	0,436
400	0,317	0,267	0,447
500	0,315	0,191	0,359
630	0,416	0,207	0,342
800	0,468	0,201	0,310
1000	0,564	0,229	0,314
1250	0,693	0,215	0,284
1600	0,851	0,249	0,302
2000	0,886	0,332	0,369
2500	0,856	0,289	0,319
3150	0,813	0,257	0,282
4000	0,942	0,301	0,319