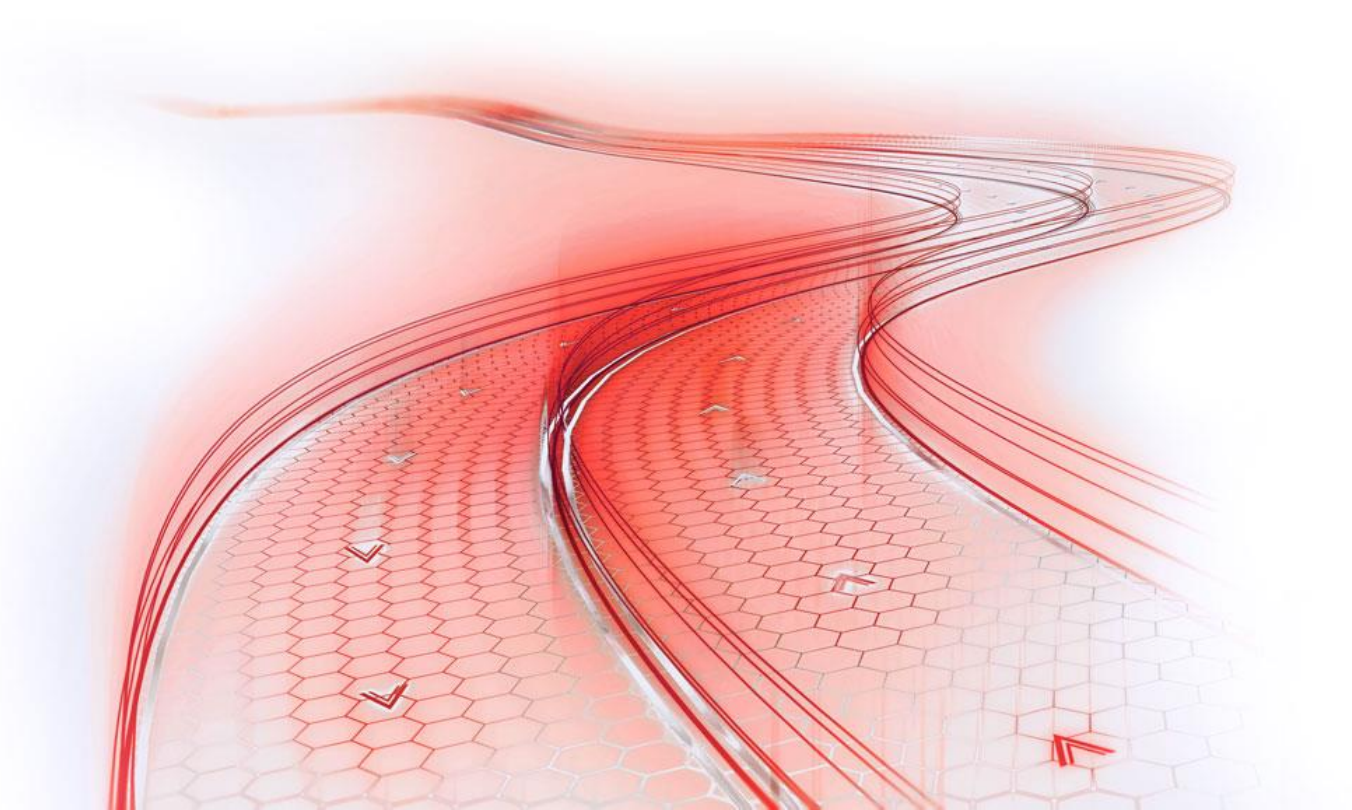


# VitaSense 1.5 Antenna Characteristics

26.07.2023



## Farfield Pattern and EIRP Spectrum Analysis HW 1.5

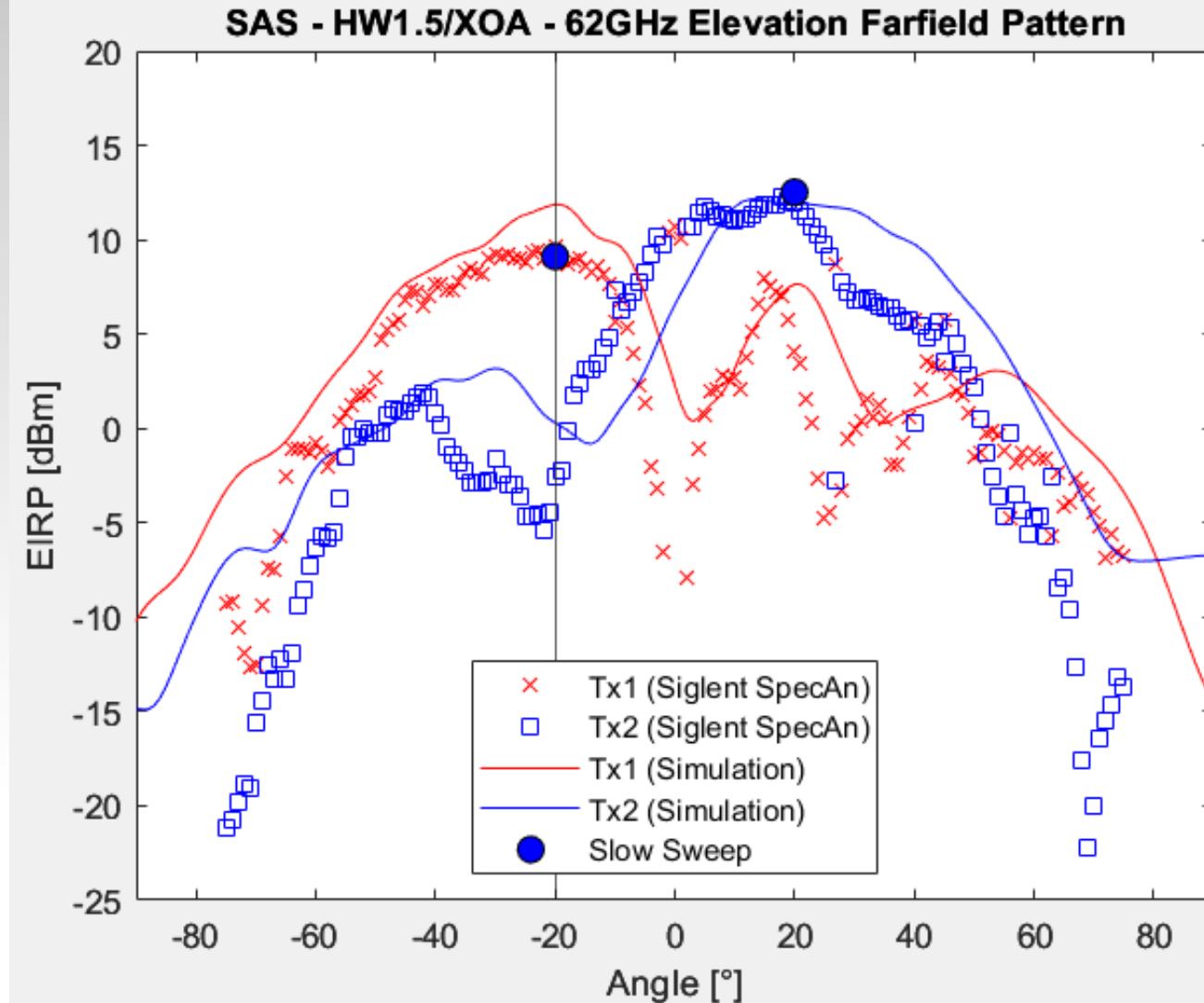
VitaSense 1.5

Measurements farfield elevation pattern

EIRP Spectrum

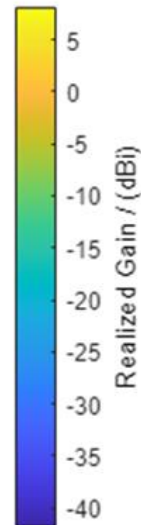
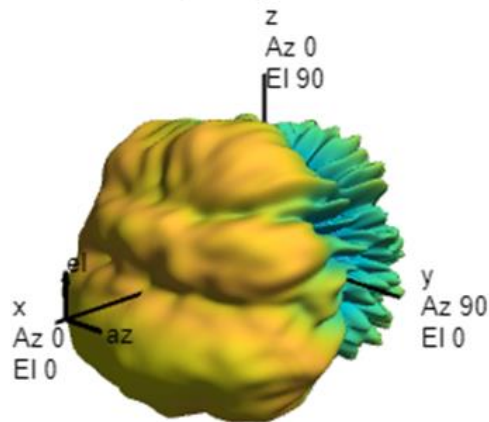
### Measurement Parameter:

- Distance 1250 mm
- Test Horn MiWave 25 Gain V
- VDI Mixer 60 GHz
- Spherical positioner SAS
- Spectrum Analyzer: R&S FSV3030  
RBW = 40 MHz, VBW = 40 MHz  
SWT 175 us (Zero Span Mode)  
Clear write trace  
Detector setting: Pos. Peak



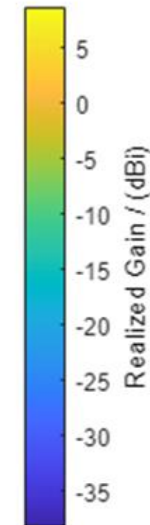
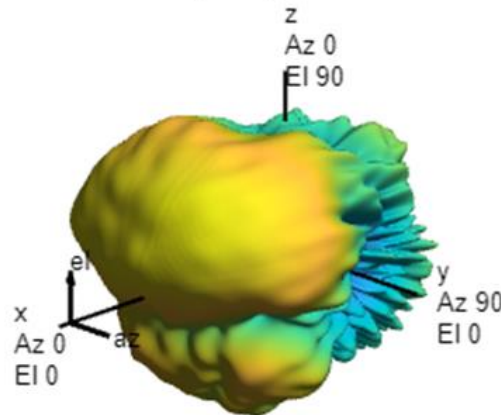
## Farfield Pattern TX1/2 & RX

TX1 / Frequency = 62 GHz



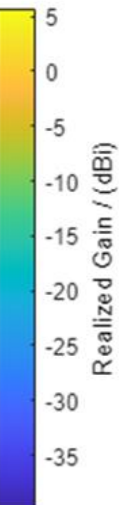
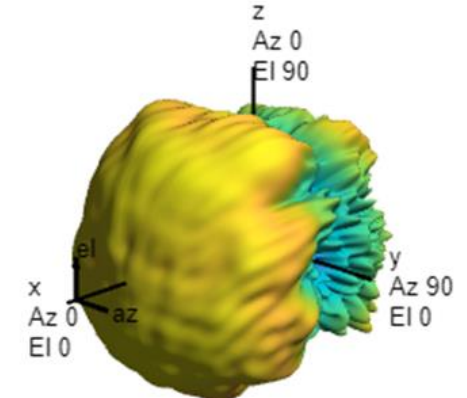
Maximum: 8.151 dBi Elevation angle: -19 ° Azimuth angle: 1 °	Max in band: 9.5953 dBi Elevation angle: -25 ° Azimuth angle: 8 °
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TX2 / Frequency = 62 GHz



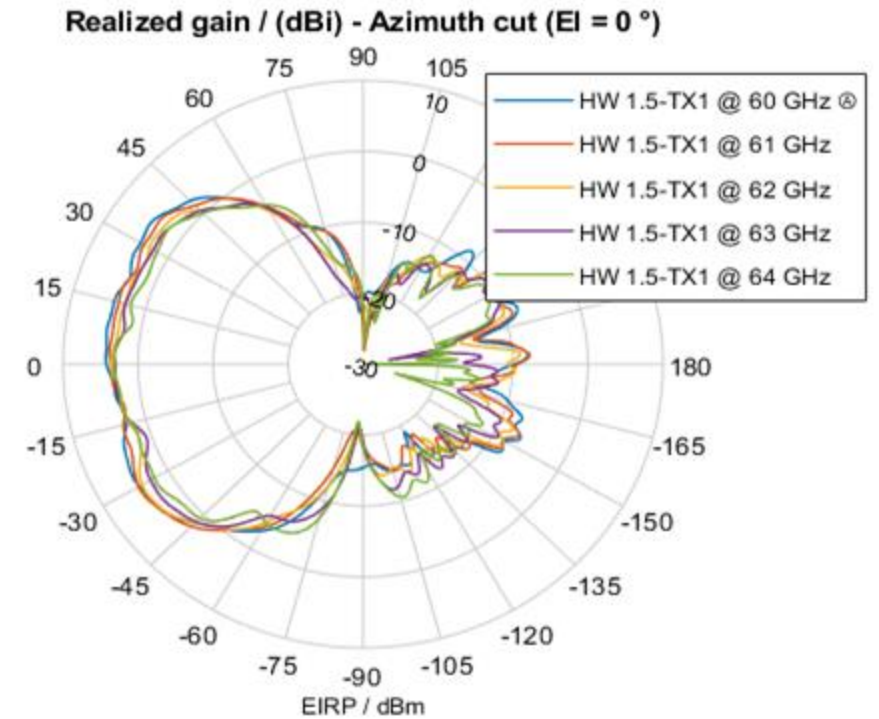
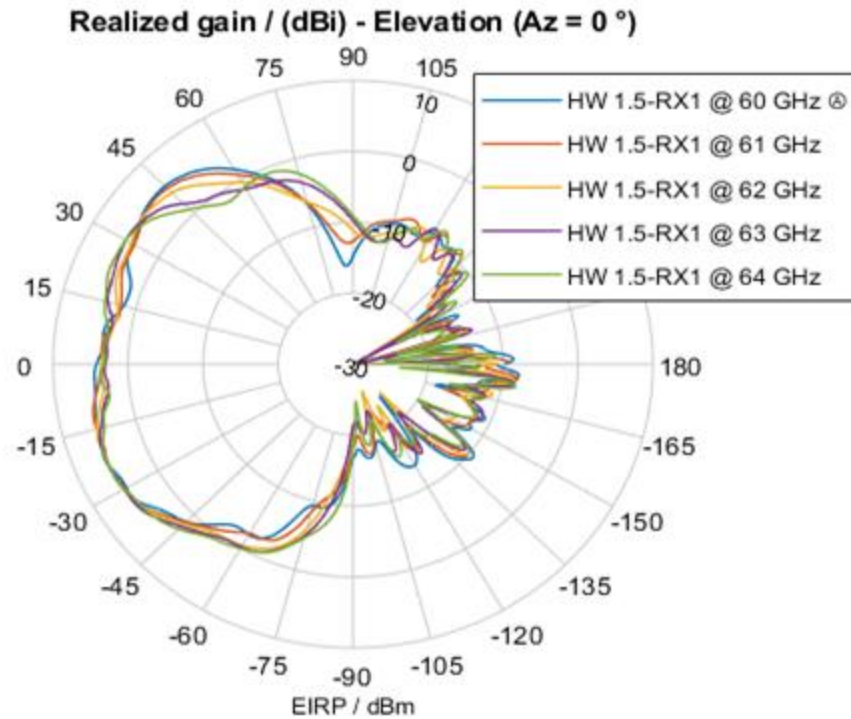
Maximum: 8.7332 dBi Elevation angle: 27 ° Azimuth angle: 9 °	Max in band: 9.7153 dBi Elevation angle: 7 ° Azimuth angle: 19 °
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RX1 / Frequency = 62 GHz

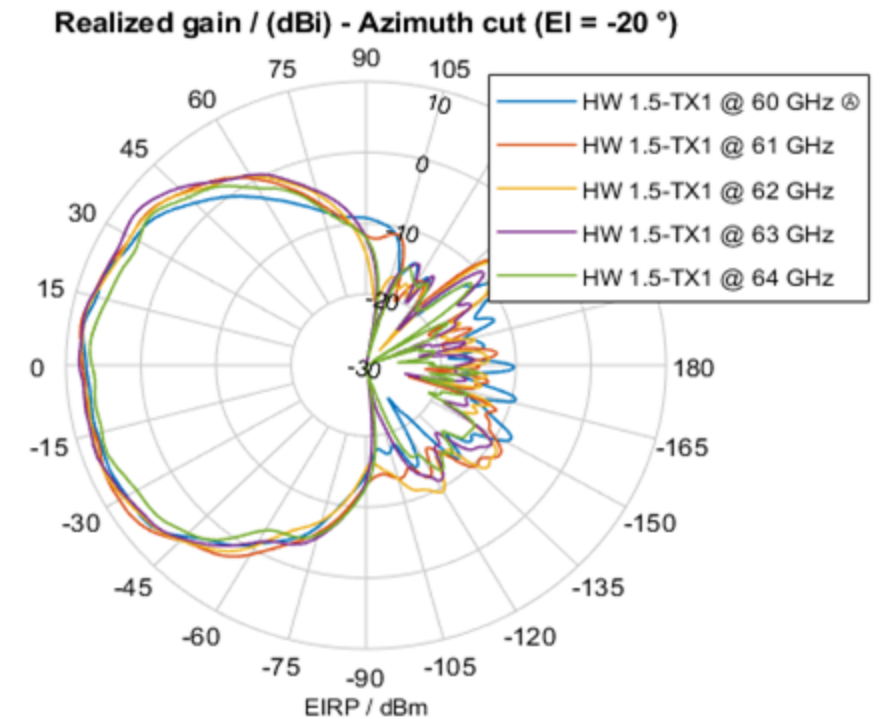
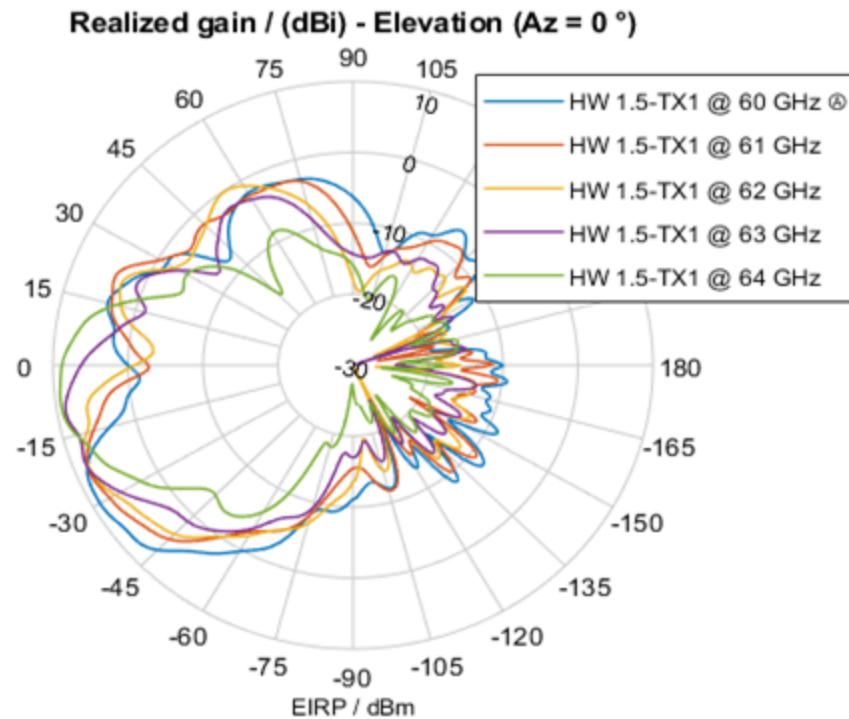


Maximum: 5.7195 dBi Elevation angle: -17 ° Azimuth angle: -1 °	Max in band: 6.1939 dBi Elevation angle: 44 ° Azimuth angle: 19 °
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## Farfield Realized Gain RX1



## Farfield Realized Gain TX1





## Farfield Realized Gain TX2

