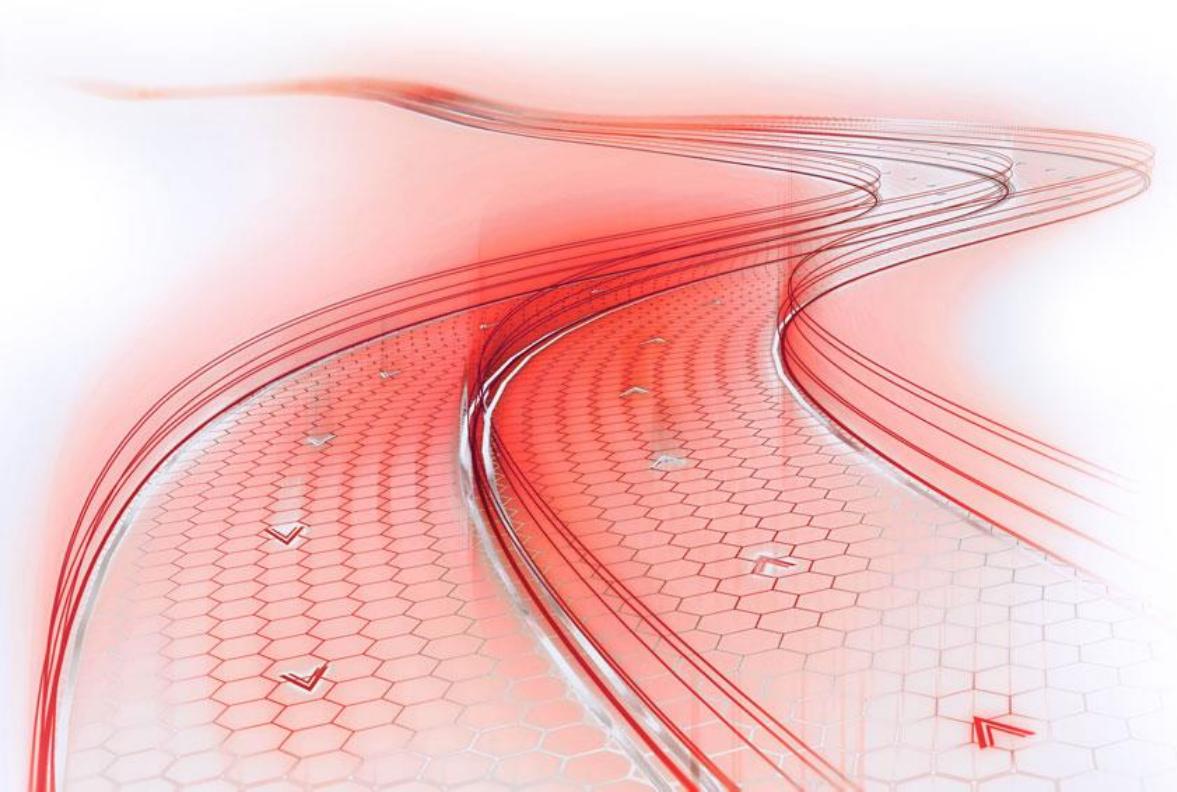


VitaSense 1.5 Antenna Characteristics



Farfield Pattern and EIRP Spectrum Analysis HW 1.5

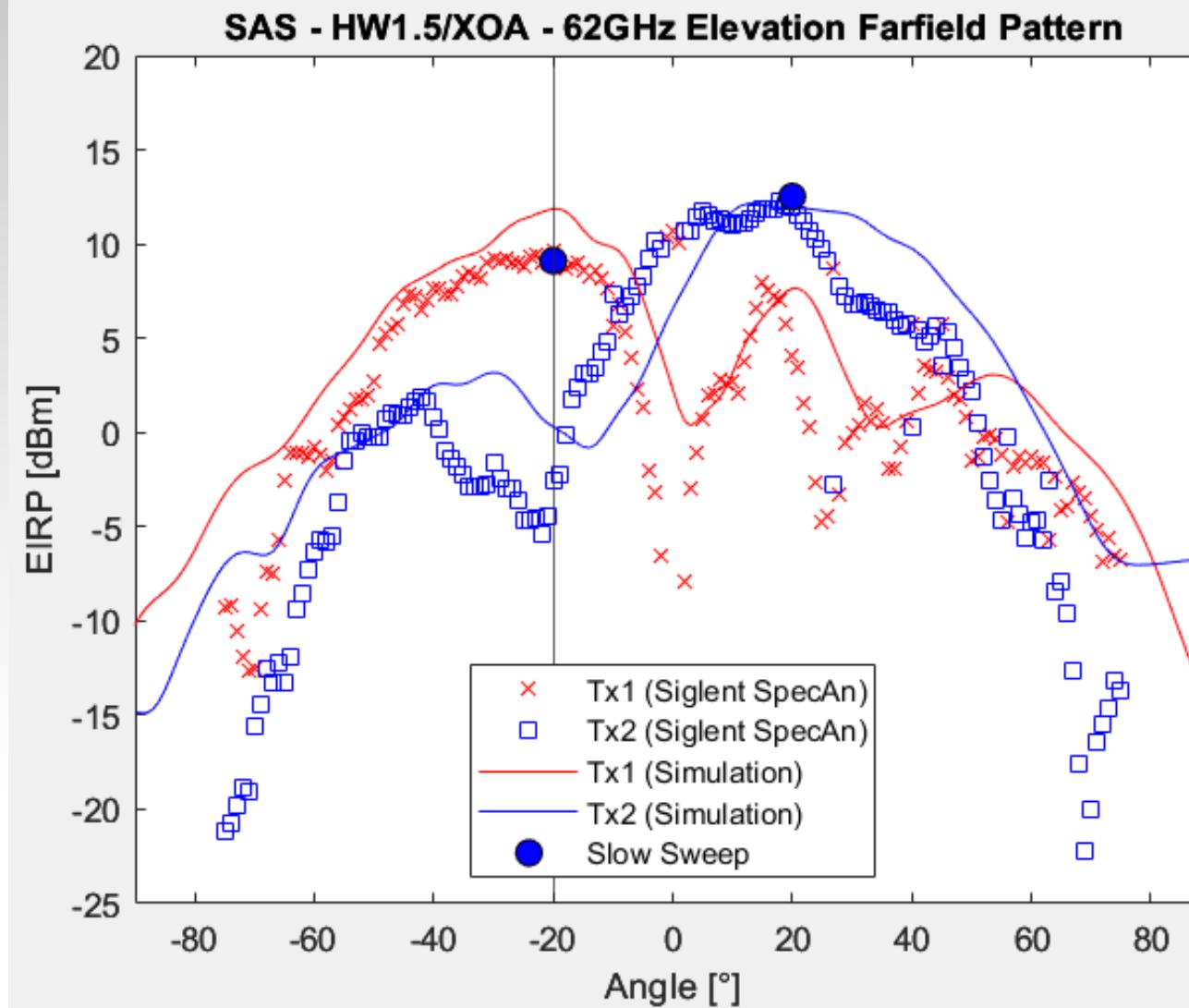
VitaSense 1.5

Measurements farfield elevation pattern

EIRP Spectrum

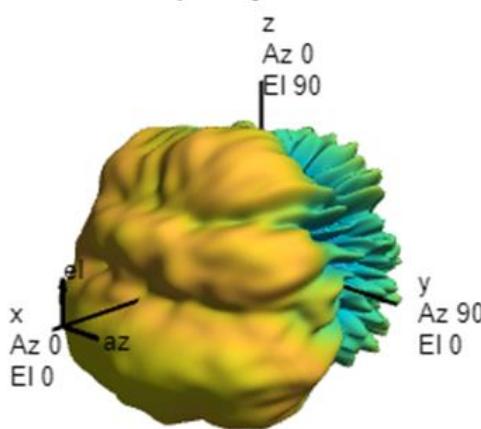
Measurement Parameter:

- 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

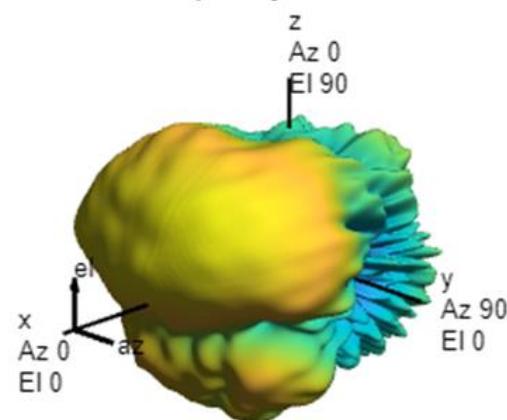
TX1 / Frequency = 62 GHz



Maximum: 8.151 dBi
Elevation angle: -19 °
Azimuth angle: 1 °

Max in band: 9.5953 dBi
Elevation angle: -25 °
Azimuth angle: 8 °

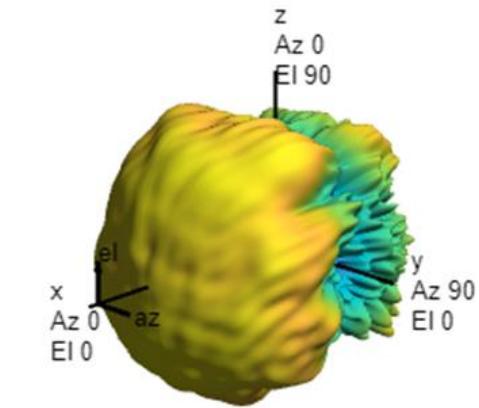
TX2 / Frequency = 62 GHz



Maximum: 8.7332 dBi
Elevation angle: 27 °
Azimuth angle: 9 °

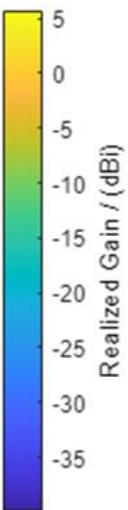
Max in band: 9.7153 dBi
Elevation angle: 7 °
Azimuth angle: 19 °

RX1 / Frequency = 62 GHz

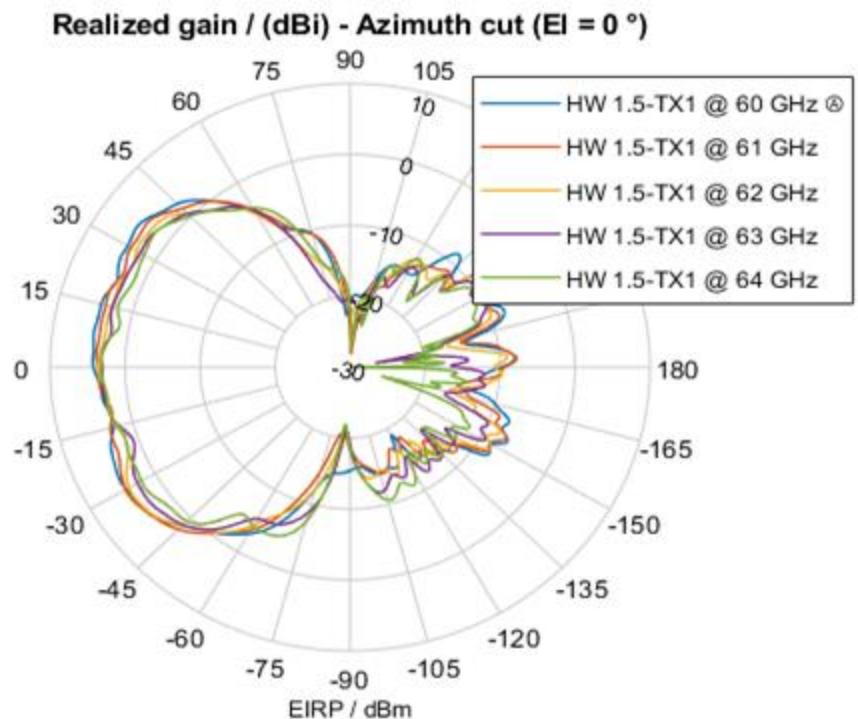
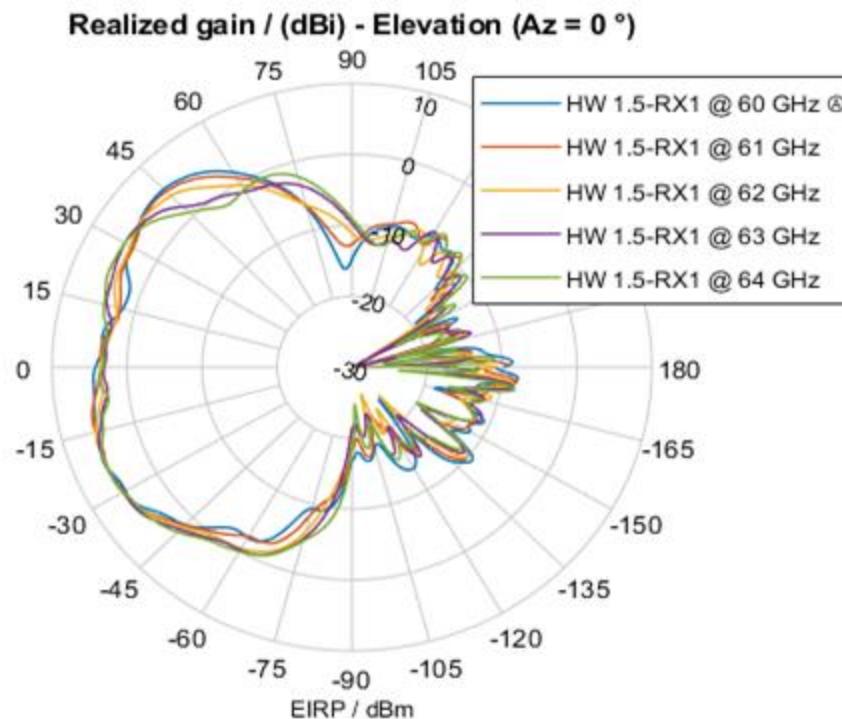


Maximum: 5.7195 dBi
Elevation angle: -17 °
Azimuth angle: -1 °

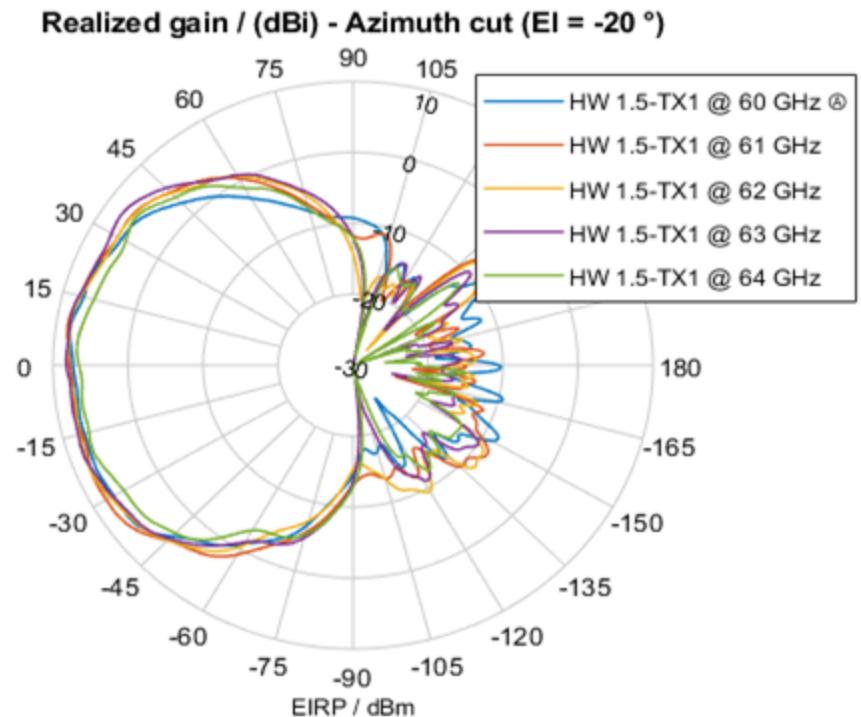
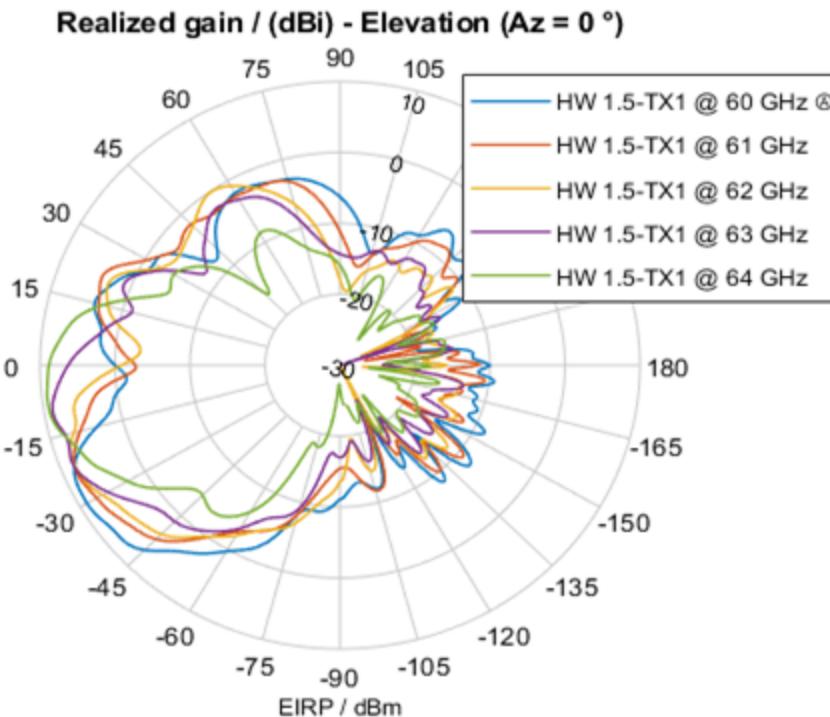
Max in band: 6.1939 dBi
Elevation angle: 44 °
Azimuth angle: 19 °



Farfield Realized Gain RX1



Farfield Realized Gain TX1



Farfield Realized Gain TX2

