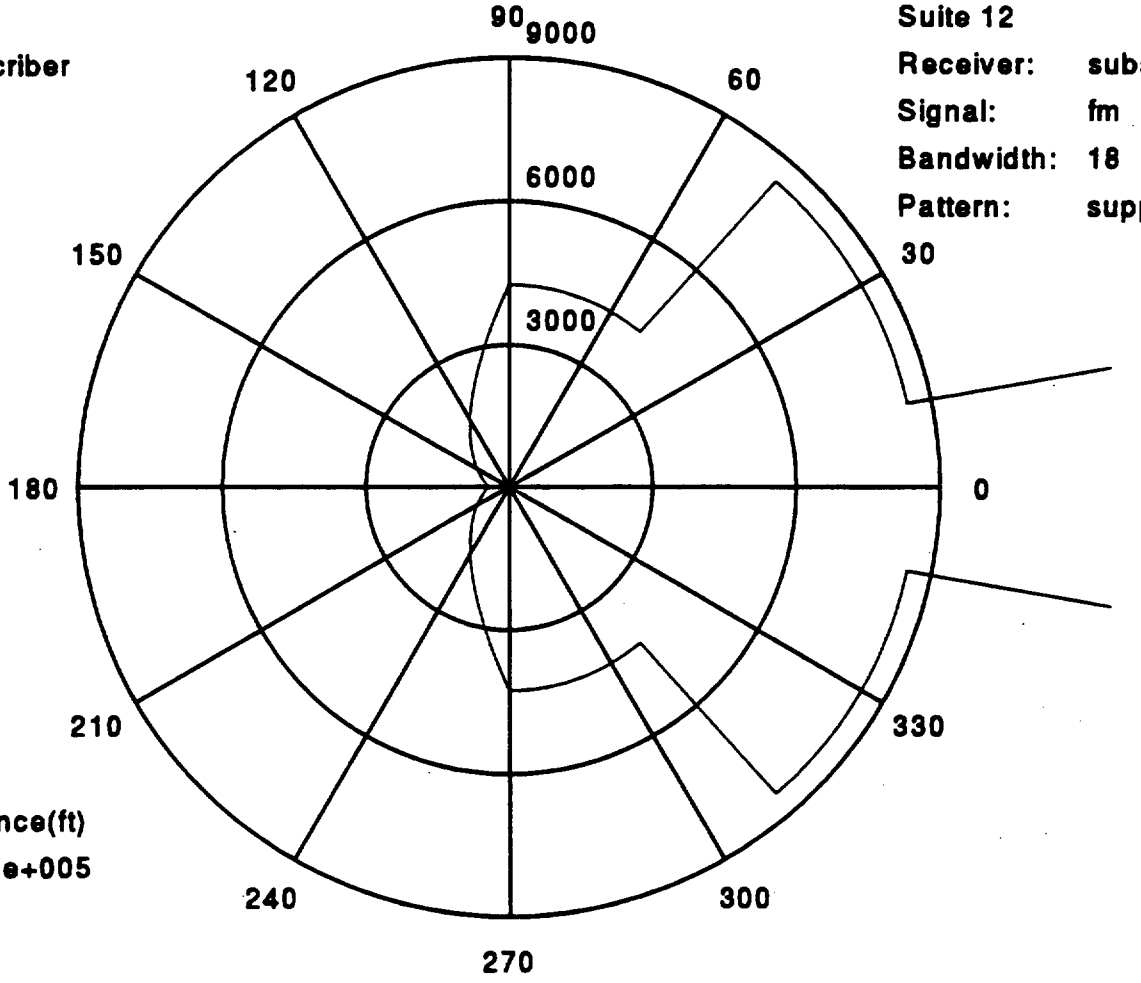
Protection Distance (ft) Case: 13 Spaceway into Suite 12

| Spaceway | | Suite 12 | |
|---|---|---|---|
| Terminal: | subscriber | Receiver: | subscriber |
| Signal: | t1 | Signal: | fm |
| Bandwidth: | 2 | Bandwidth: | 18 |
| Pattern: | itu | Pattern: | supplied |
| El. angle: | 30 | | |

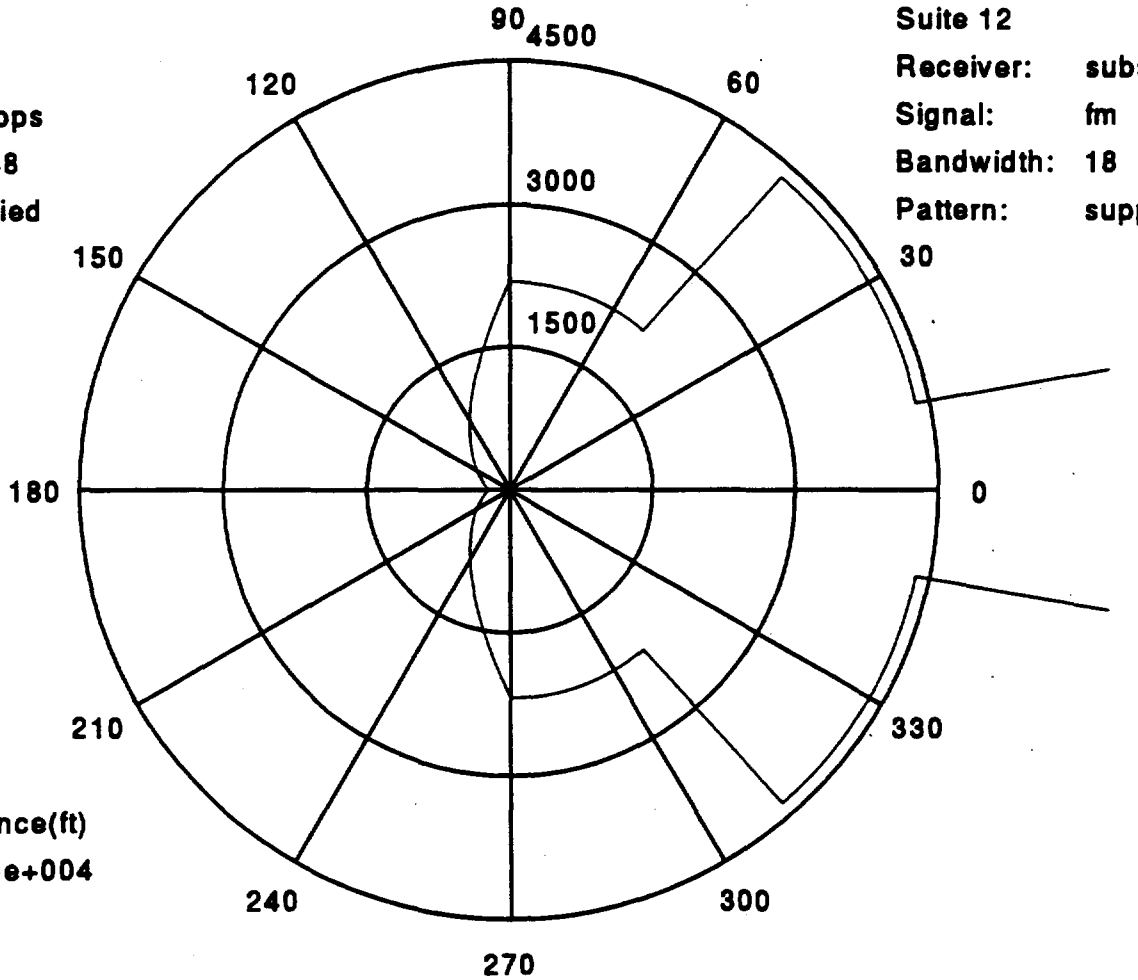



| Angle | Distance(ft) |
|---|---|
| 0 | 1.345e+005 |
| 45 | 8488 |
| 180 | 425 |

Protection Distance (ft) Case: 14 Acts into Suite 12

| Acts | |
|---|---|
| Terminal: | usat |
| Signal: | 4.8 kbps |
| Bandwidth: | 0.0048 |
| Pattern: | supplied |
| El. angle: | 30 |

| Suite 12 | |
|---|---|
| Receiver: | subscriber |
| Signal: | fm |
| Bandwidth: | 18 |
| Pattern: | supplied |




| Angle | Distance(ft) |
|---|---|
| 0 | 6.899e+004 |
| 45 | 4353 |
| 180 | 218 |

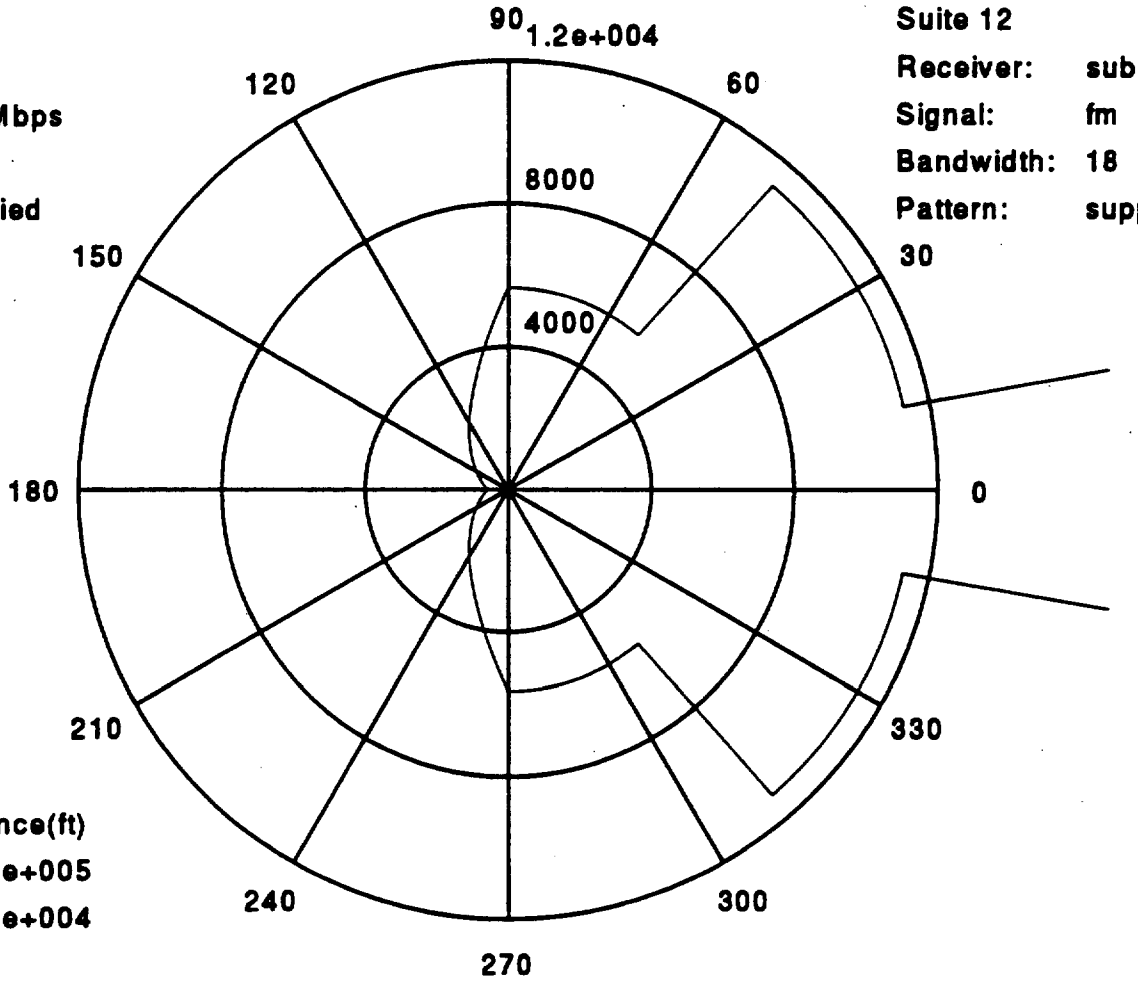
Protection Distance (ft) Case: 15 Acts into Suite 12

**Acts**

| | |
|---|---|
| Terminal: | hdrt |
| Signal: | 622 Mbps |
| Bandwidth: | 900 |
| Pattern: | supplied |
| El. angle: | 30 |

**Suite 12**

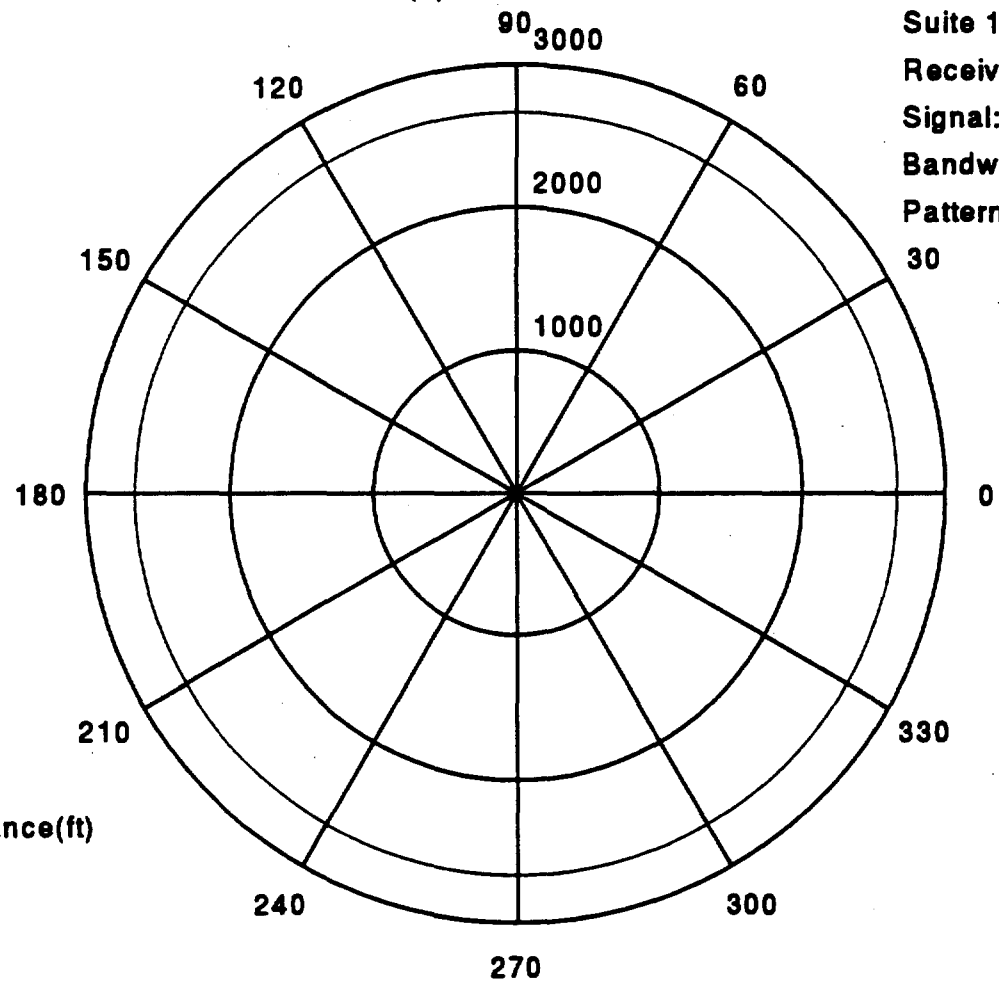
| | |
|---|---|
| Receiver: | subscriber |
| Signal: | fm |
| Bandwidth: | 18 |
| Pattern: | supplied |




| Angle | Distance(ft) |
|---|---|
| 0 | 1.783e+005 |
| 45 | 1.125e+004 |
| 180 | 564 |

Protection Distance (ft) Case: 16 Teledesic into Suite 12

| Teledesic | | Suite 12 | |
|---|---|---|---|
| Terminal: | tst | Receiver: | hub |
| Signal: | t1 | Signal: | data |
| Bandwidth: | 26.5 | Bandwidth: | 0.04 |
| Pattern: | itu | Pattern: | supplied |
| El. angle: | 40 | | |




| Angle | Distance(ft) |
|---|---|
| 0 | 2664 |
| 45 | 2664 |
| 180 | 2664 |

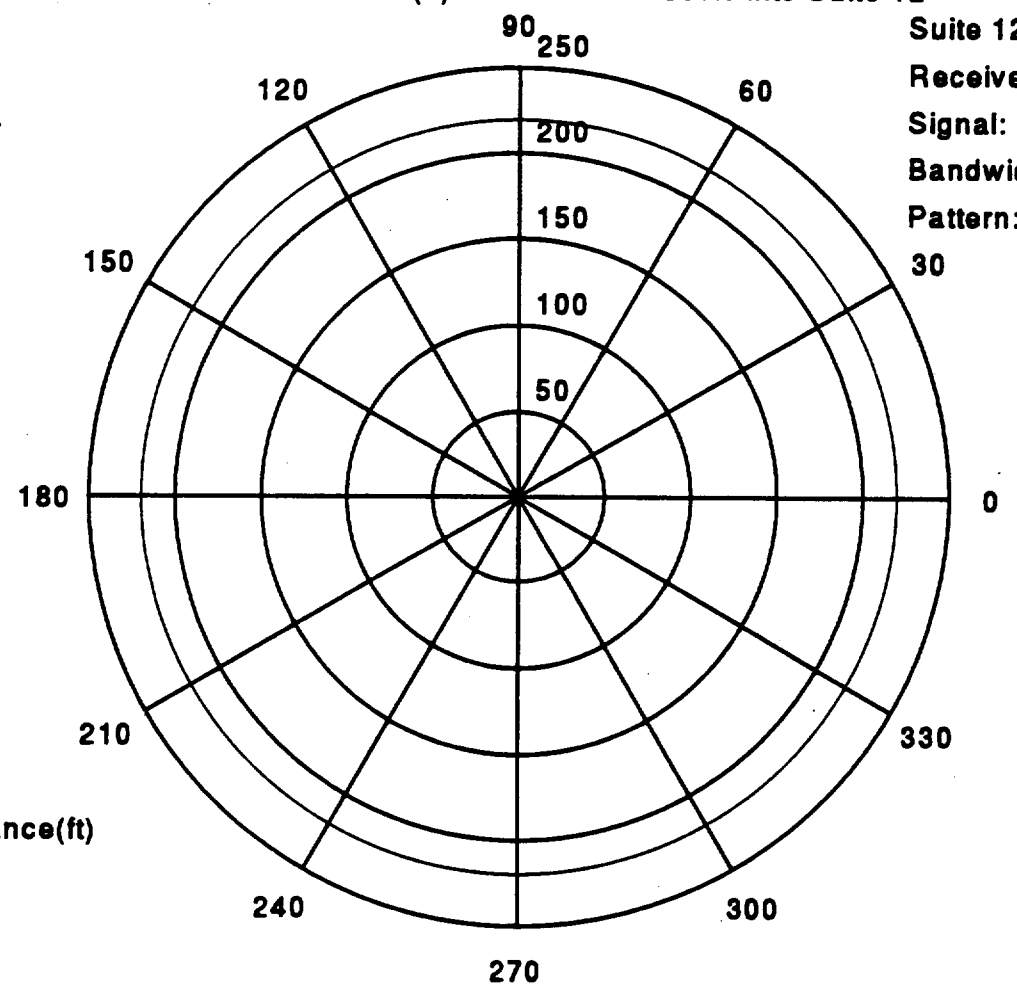
Protection Distance (ft) Case: 17 Teledesic into Suite 12

**Teledesic**

| | |
|---|---|
| Terminal: | tgt |
| Signal: | oc24 |
| Bandwidth: | 800 |
| Pattern: | itu |
| El. angle: | 40 |

**Suite 12**

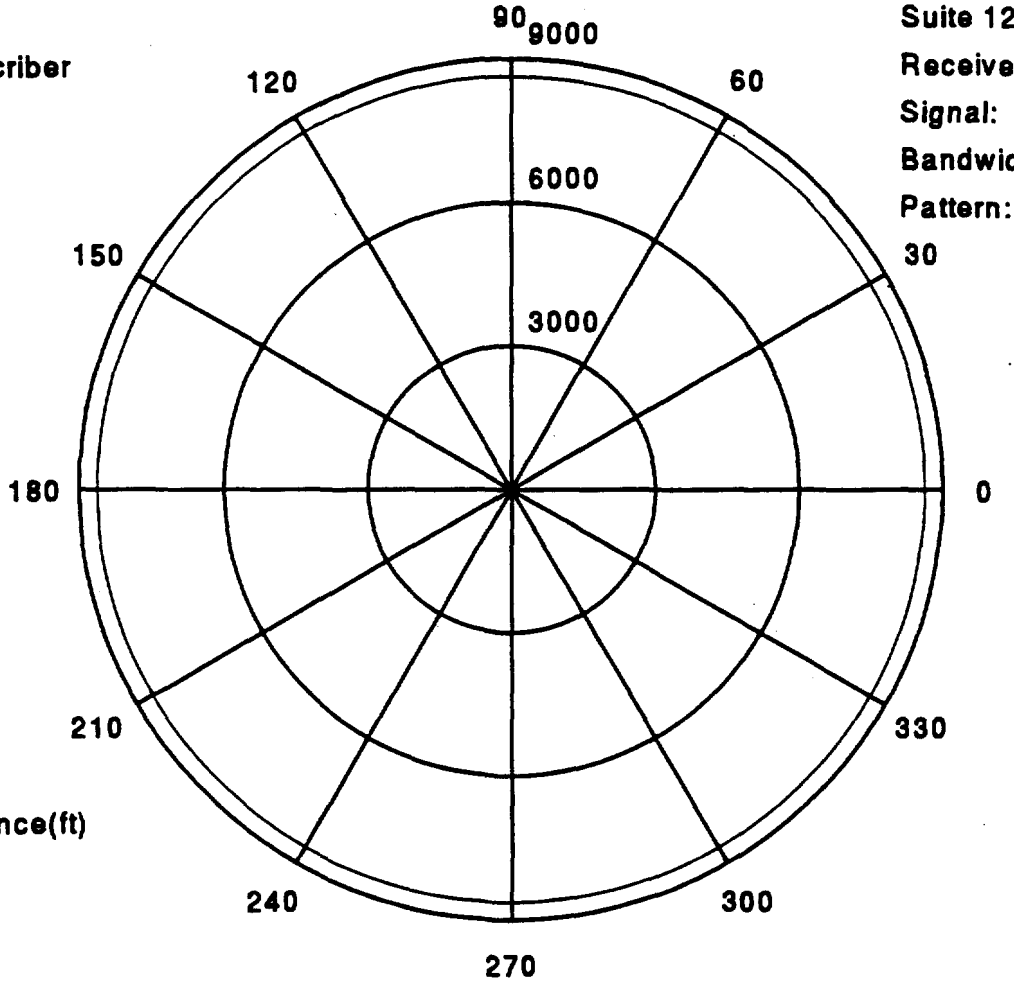
| | |
|---|---|
| Receiver: | hub |
| Signal: | data |
| Bandwidth: | 0.04 |
| Pattern: | supplied |




| Angle | Distance(ft) |
|---|---|
| 0 | 220 |
| 45 | 220 |
| 180 | 220 |

Protection Distance (ft) Case: 18 Spaceway into Suite 12

| Spaceway | | Suite 12 | |
|---|---|---|---|
| Terminal: | subscriber | Receiver: | hub |
| Signal: | t1 | Signal: | data |
| Bandwidth: | 2 | Bandwidth: | 0.04 |
| Pattern: | itu | Pattern: | supplied |
| El. angle: | 30 | | |

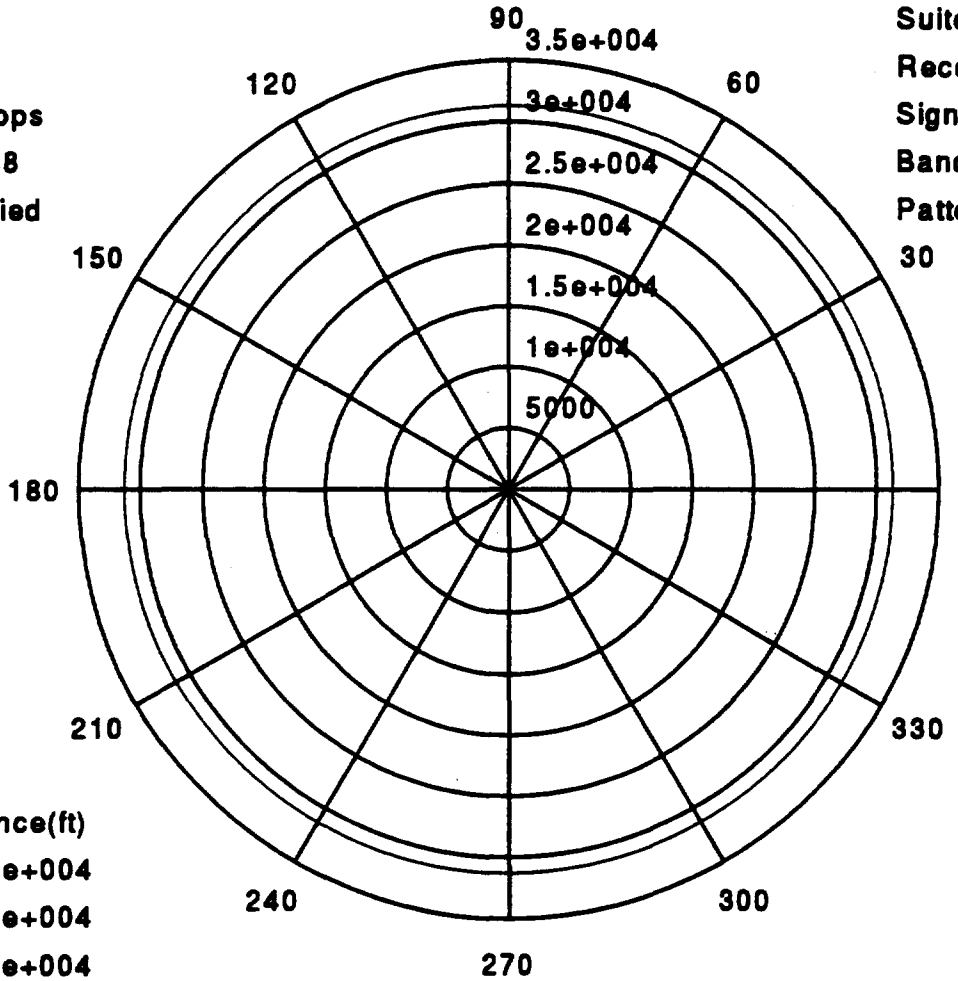



| Angle | Distance(ft) |
|---|---|
| 0 | 8627 |
| 45 | 8627 |
| 180 | 8627 |

Protection Distance (ft) Case: 19 Acts into Suite 12

| Acts | |
|---|---|
| Terminal: | usat |
| Signal: | 4.8 kbps |
| Bandwidth: | 0.0048 |
| Pattern: | supplied |
| El. angle: | 30 |

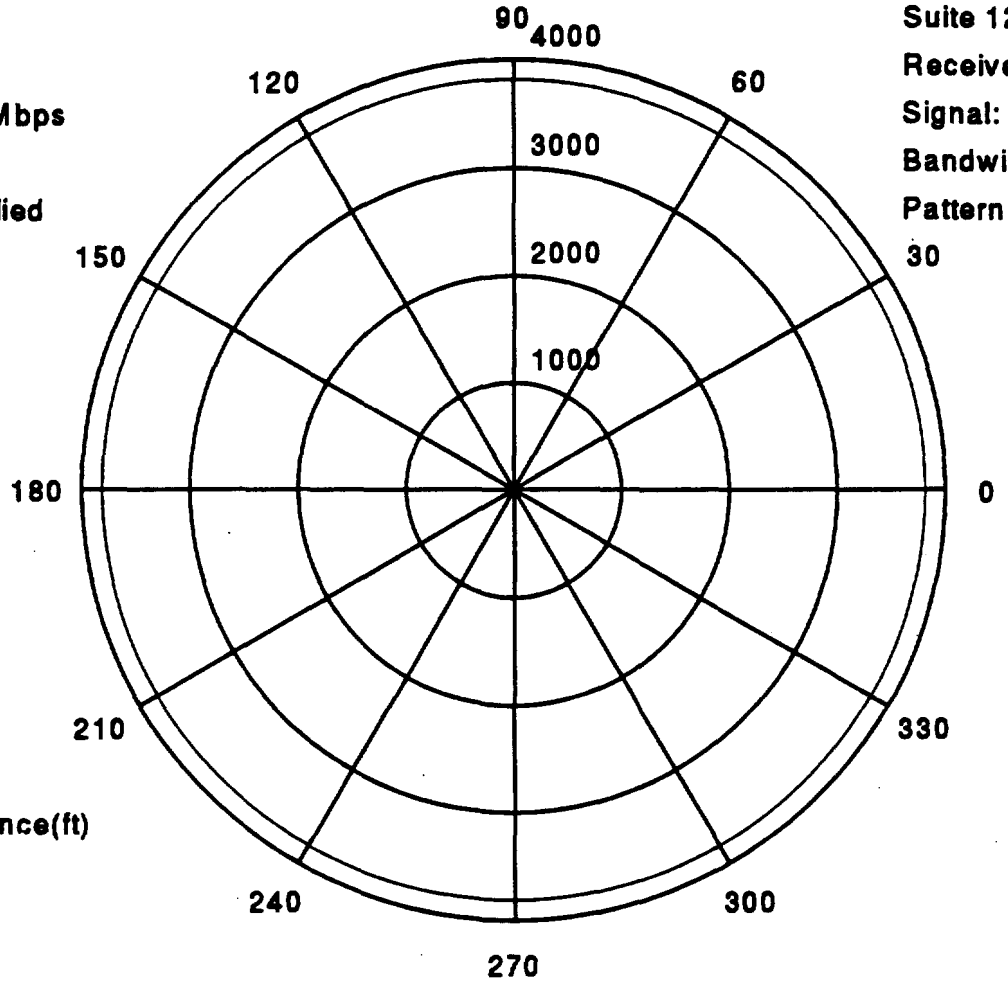
| Suite 12 | |
|---|---|
| Receiver: | hub |
| Signal: | data |
| Bandwidth: | 0.04 |
| Pattern: | supplied |




| Angle | Distance(ft) |
|---|---|
| 0 | 3.128e+004 |
| 45 | 3.128e+004 |
| 180 | 3.128e+004 |

Protection Distance (ft) Case: 20 Acts into Suite 12

| Acts | | Suite 12 | |
|---|---|---|---|
| Terminal: | hdrt | Receiver: | hub |
| Signal: | 622 Mbps | Signal: | data |
| Bandwidth: | 900 | Bandwidth: | 0.04 |
| Pattern: | supplied | Pattern: | supplied |
| El. angle: | 30 | | |




| Angle | Distance(ft) |
|---|---|
| 0 | 3812 |
| 45 | 3812 |
| 180 | 3812 |

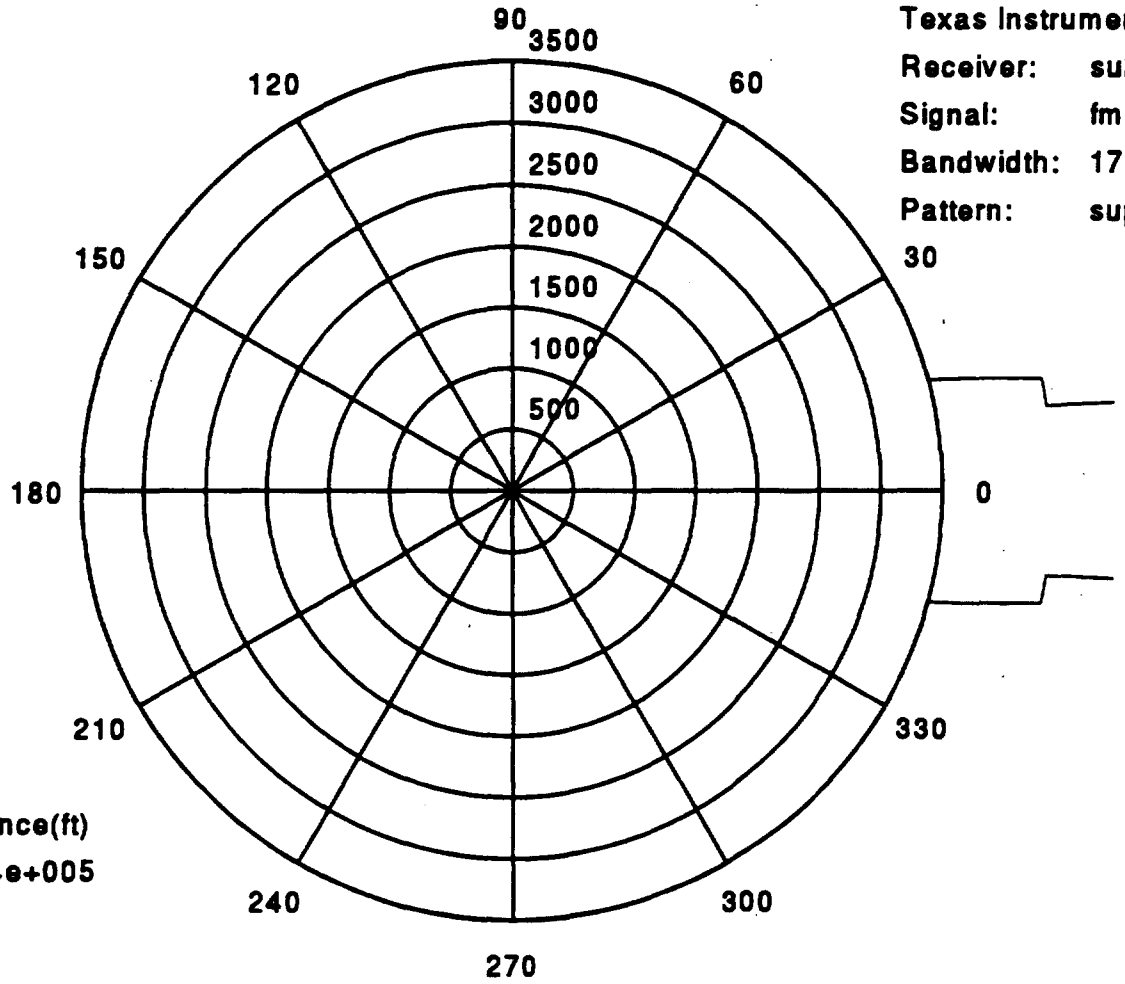
Protection Distance (ft) Case: 21 Teledesic into Texas Instruments

**Teledesic**

| | |
|---|---|
| Terminal: | tst |
| Signal: | t1 |
| Bandwidth: | 26.5 |
| Pattern: | itu |
| El. angle: | 40 |

**Texas Instruments**

| | |
|---|---|
| Receiver: | subscriber |
| Signal: | fm |
| Bandwidth: | 17 |
| Pattern: | supplied |




| Angle | Distance(ft) |
|---|---|
| 0 | 1.104e+005 |
| 45 | 3490 |
| 180 | 3490 |

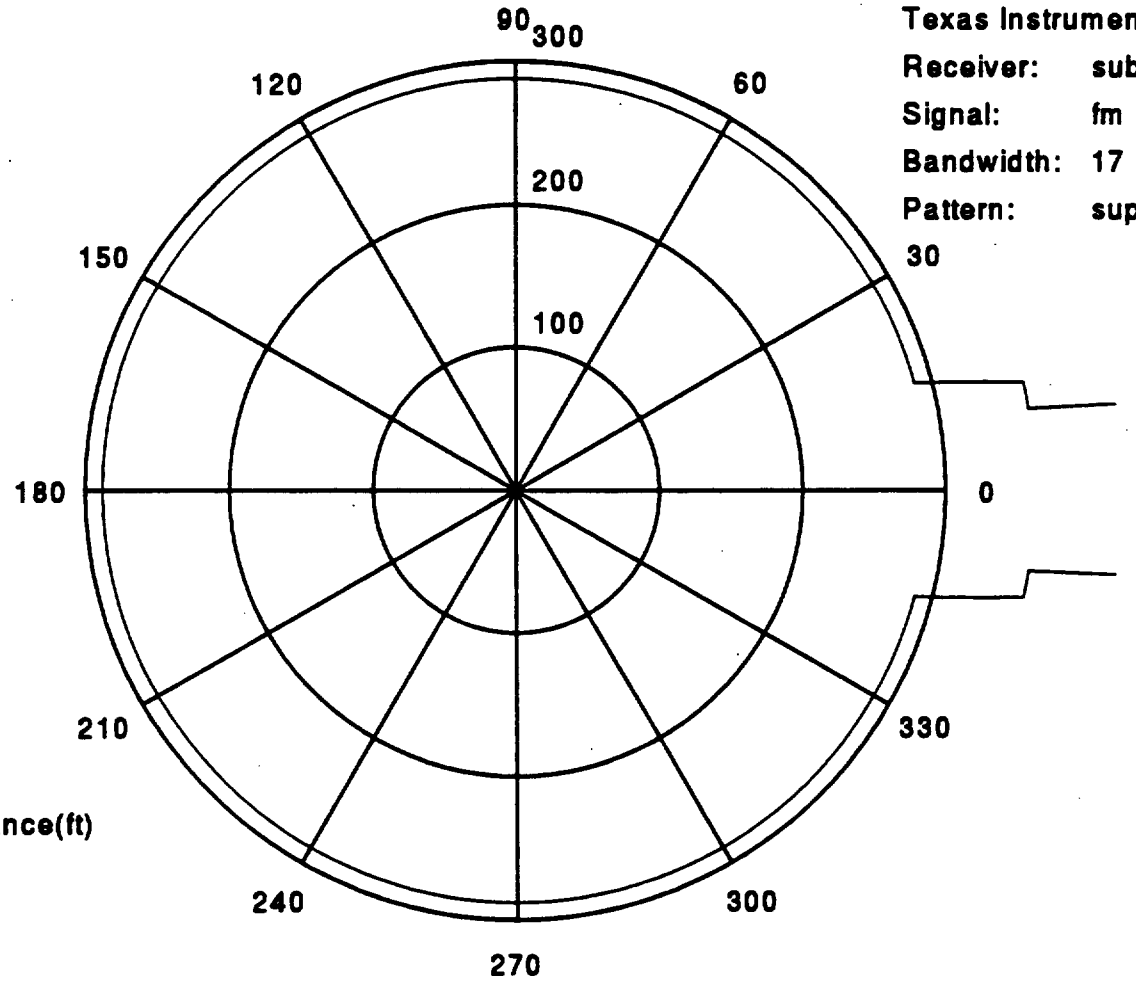
Protection Distance (ft) Case: 22 Teledesic into Texas Instruments

**Teledesic**

| | |
|---|---|
| Terminal: | tgt |
| Signal: | oc24 |
| Bandwidth: | 800 |
| Pattern: | itu |
| El. angle: | 40 |

**Texas Instruments**

| | |
|---|---|
| Receiver: | subscriber |
| Signal: | fm |
| Bandwidth: | 17 |
| Pattern: | supplied |




| Angle | Distance(ft) |
|---|---|
| 0 | 9099 |
| 45 | 288 |
| 180 | 288 |

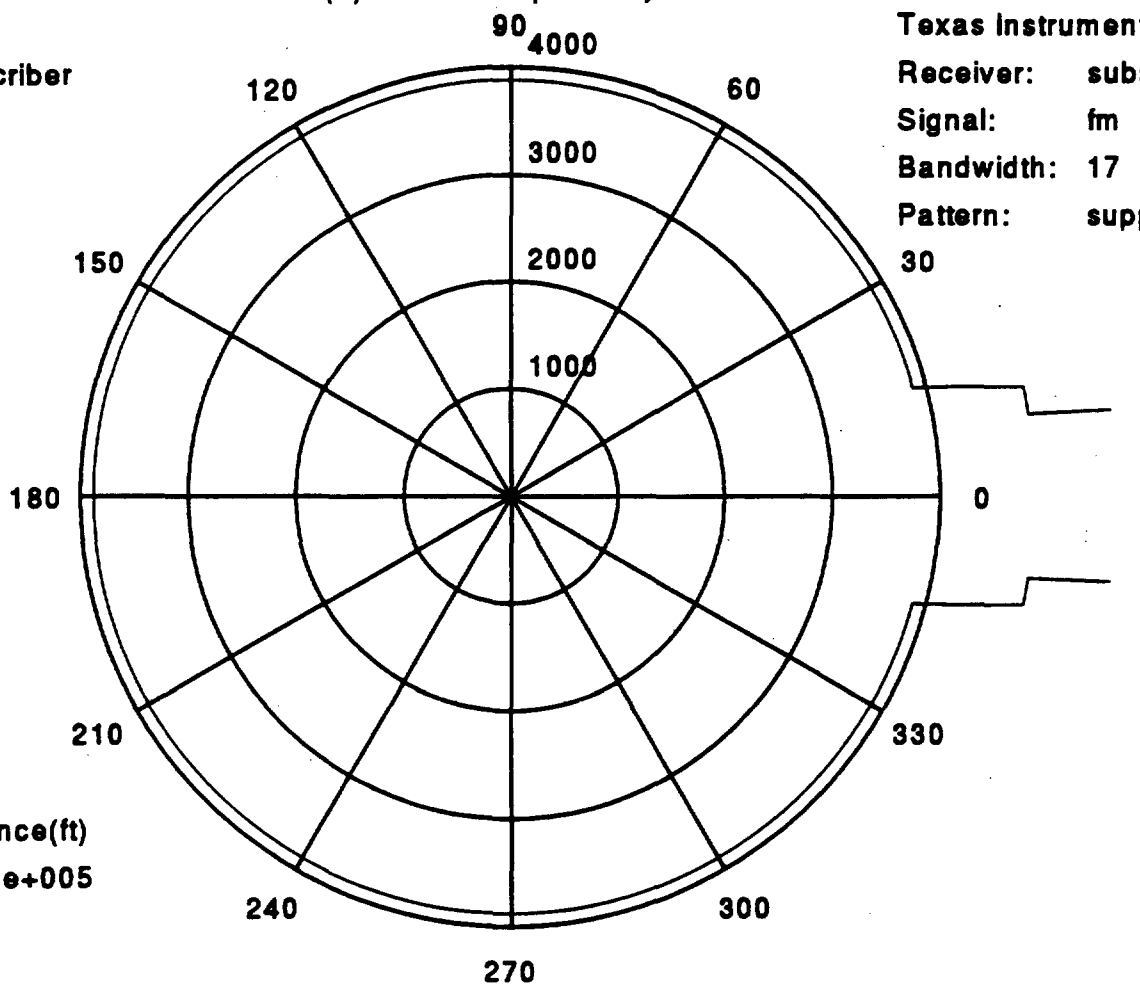
Protection Distance (ft) Case: 23 Spaceway into Texas Instruments

**Spaceway**

| | |
|---|---|
| Terminal: | subscriber |
| Signal: | t1 |
| Bandwidth: | 2 |
| Pattern: | itu |
| El. angle: | 30 |

**Texas Instruments**

| | |
|---|---|
| Receiver: | subscriber |
| Signal: | fm |
| Bandwidth: | 17 |
| Pattern: | supplied |




| Angle | Distance(ft) |
|---|---|
| 0 | 1.226e+005 |
| 45 | 3877 |
| 180 | 3877 |

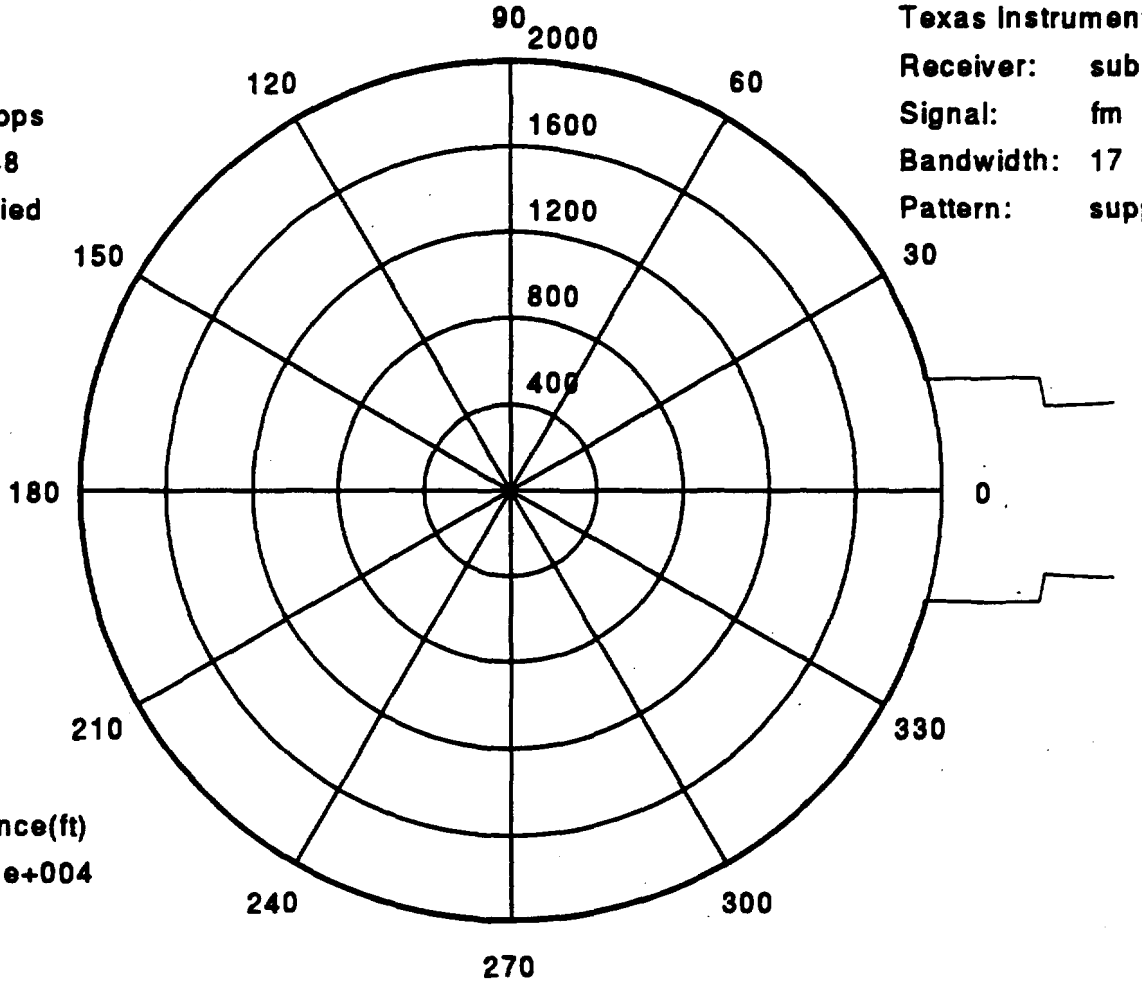
Protection Distance (ft) Case: 24 Acts into Texas Instruments

**Acts**

| | |
|---|---|
| Terminal: | usat |
| Signal: | 4.8 kbps |
| Bandwidth: | 0.0048 |
| Pattern: | supplied |
| El. angle: | 30 |

**Texas Instruments**

| | |
|---|---|
| Receiver: | subscriber |
| Signal: | fm |
| Bandwidth: | 17 |
| Pattern: | supplied |

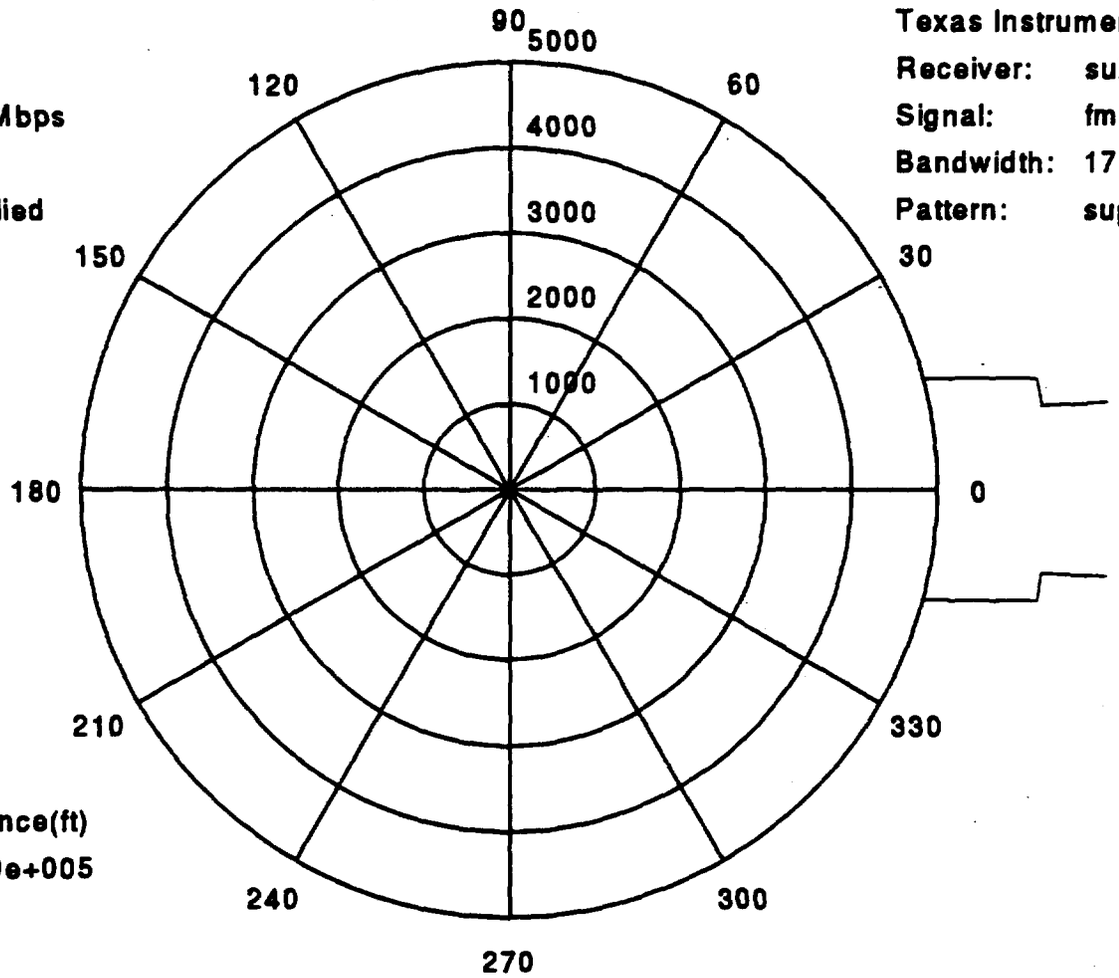



| Angle | Distance(ft) |
|---|---|
| 0 | 6.287e+004 |
| 45 | 1988 |
| 180 | 1988 |

Protection Distance (ft) Case: 25 Acts into Texas Instruments

| Acts | |
|---|---|
| Terminal: | hdrt |
| Signal: | 622 Mbps |
| Bandwidth: | 900 |
| Pattern: | supplied |
| El. angle: | 30 |

| Texas Instruments | |
|---|---|
| Receiver: | subscriber |
| Signal: | fm |
| Bandwidth: | 17 |
| Pattern: | supplied |




| Angle | Distance(ft) |
|---|---|
| 0 | 1.579e+005 |
| 45 | 4994 |
| 180 | 4994 |

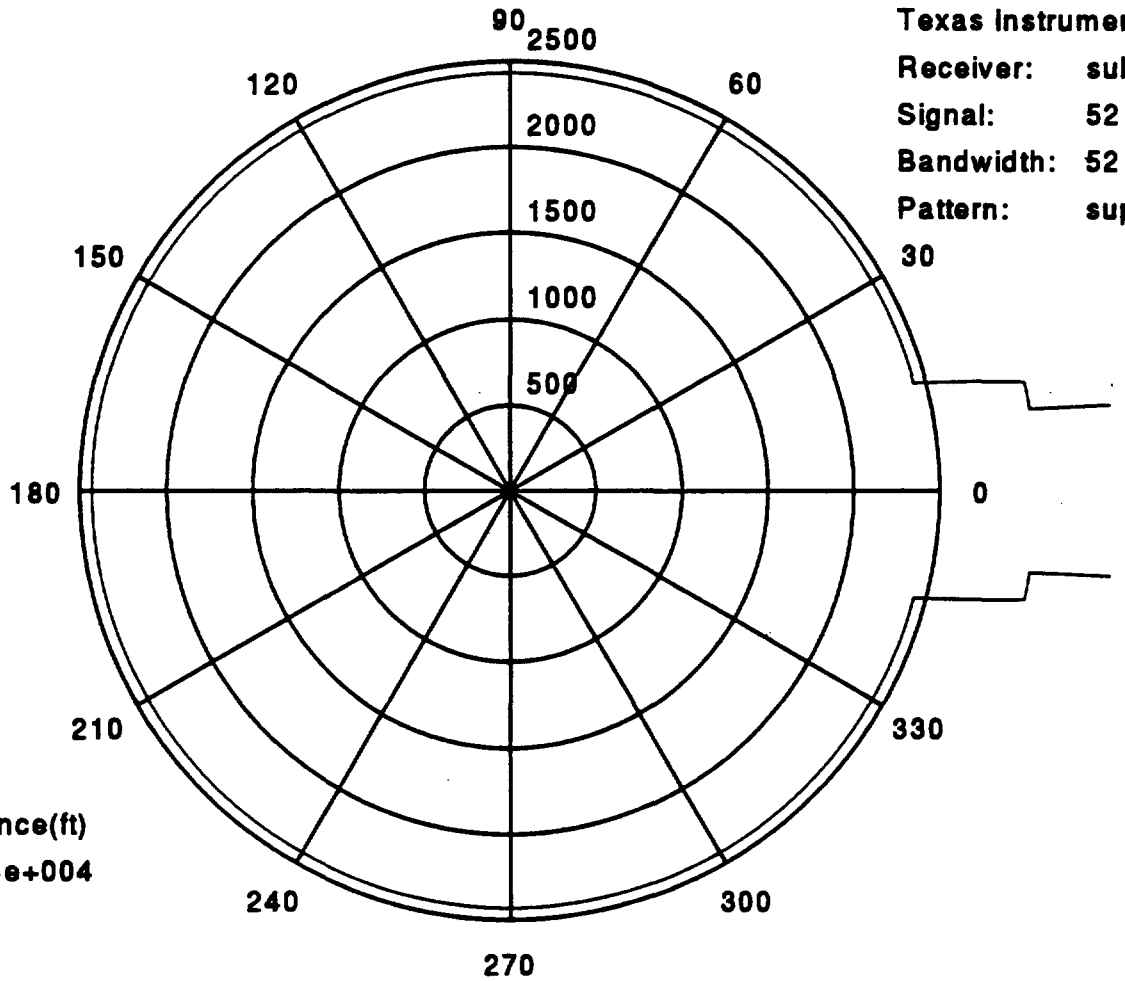
Protection Distance (ft) Case: 26 Teledesic into Texas Instruments

**Teledesic**

| | |
|---|---|
| Terminal: | tst |
| Signal: | t1 |
| Bandwidth: | 26.5 |
| Pattern: | itu |
| El. angle: | 40 |

**Texas Instruments**

| | |
|---|---|
| Receiver: | subscriber |
| Signal: | 52 Mbps |
| Bandwidth: | 52 |
| Pattern: | supplied |




| Angle | Distance(ft) |
|---|---|
| 0 | 7.684e+004 |
| 45 | 2430 |
| 180 | 2430 |

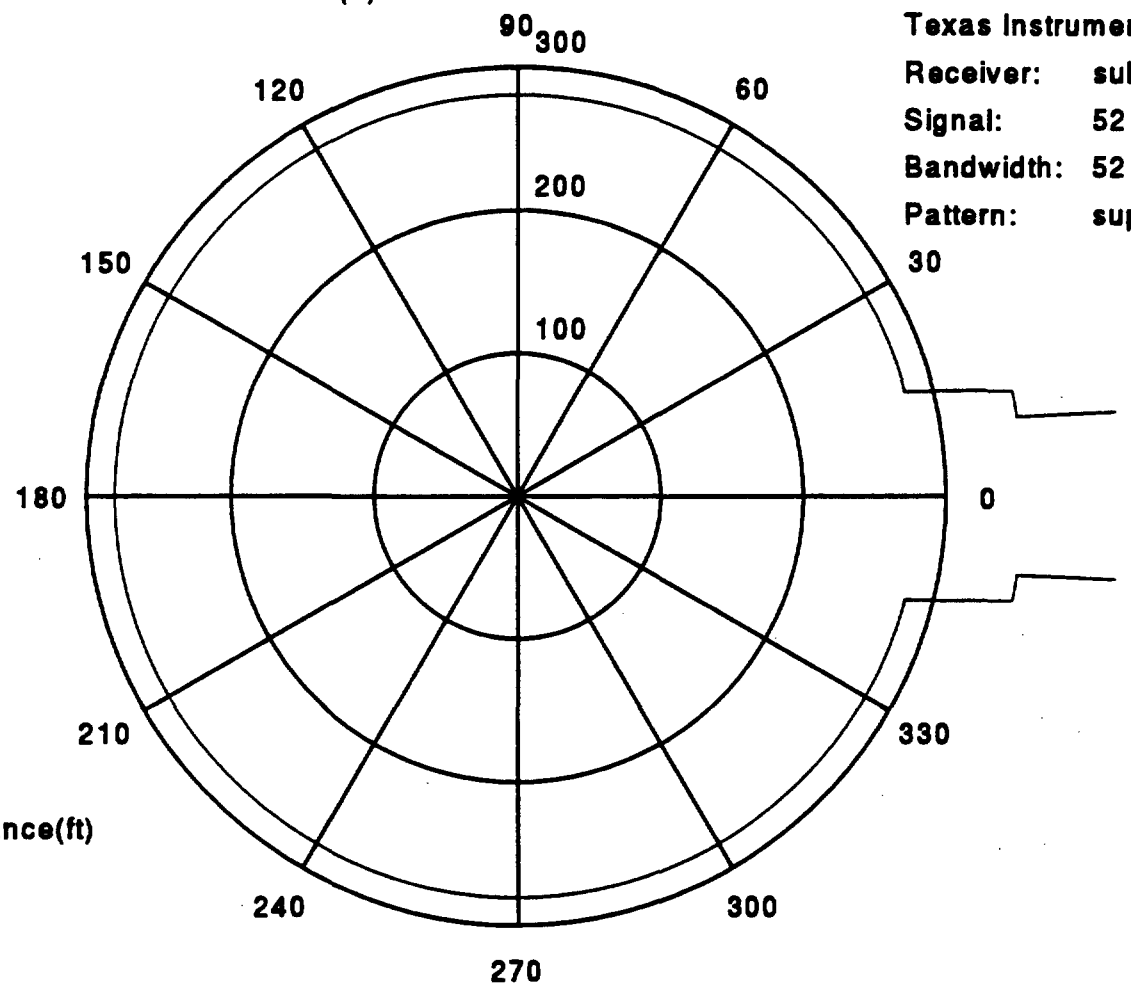
Protection Distance (ft) Case: 27 Teledesic into Texas Instruments

**Teledesic**

| | |
|---|---|
| Terminal: | tgt |
| Signal: | oc24 |
| Bandwidth: | 800 |
| Pattern: | itu |
| El. angle: | 40 |

**Texas Instruments**

| | |
|---|---|
| Receiver: | subscriber |
| Signal: | 52 Mbps |
| Bandwidth: | 52 |
| Pattern: | supplied |




| Angle | Distance(ft) |
|---|---|
| 0 | 8873 |
| 45 | 281 |
| 180 | 281 |

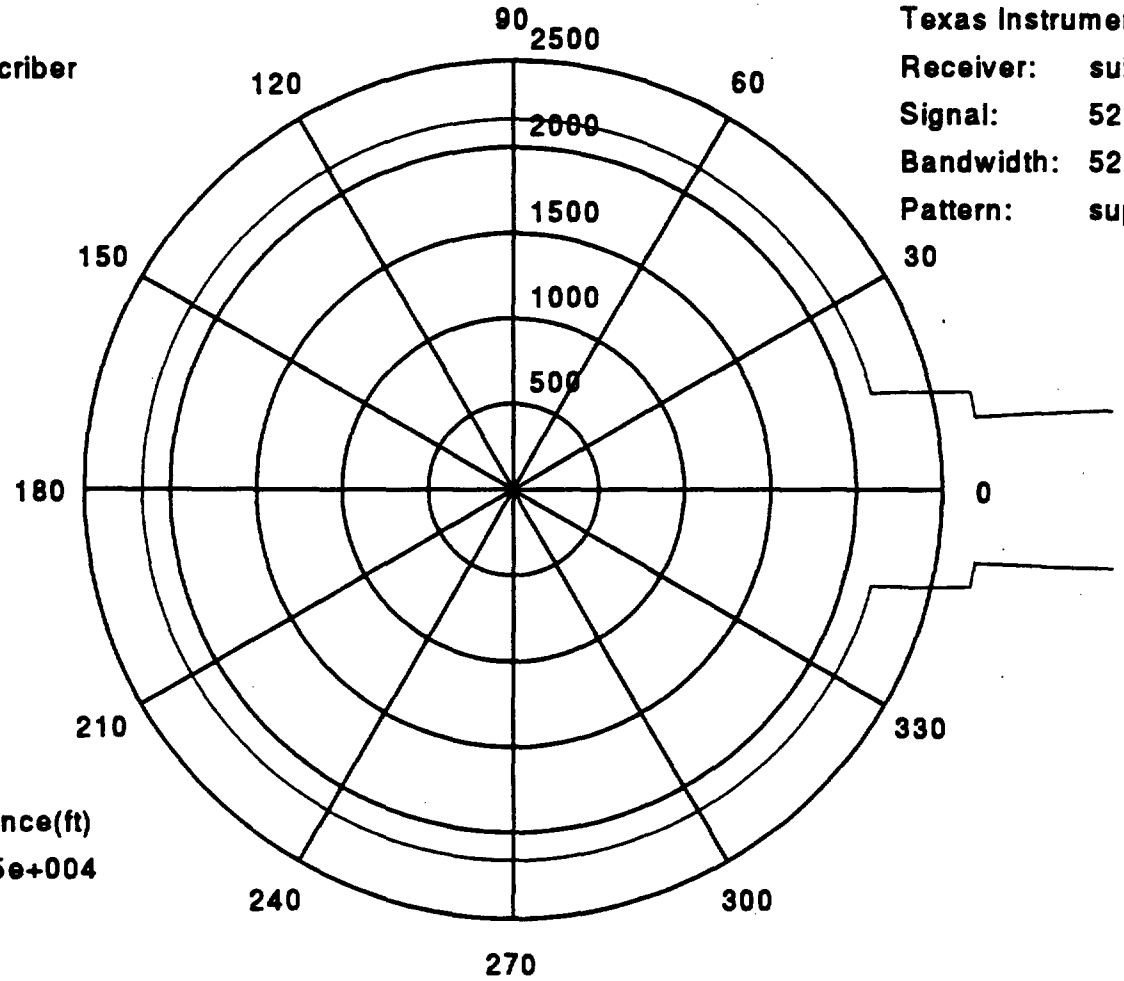
Protection Distance (ft) Case: 28 Spaceway into Texas Instruments

**Spaceway**

| | |
|---|---|
| Terminal: | subscriber |
| Signal: | t1 |
| Bandwidth: | 2 |
| Pattern: | itu |
| El. angle: | 30 |

**Texas Instruments**

| | |
|---|---|
| Receiver: | subscriber |
| Signal: | 52 Mbps |
| Bandwidth: | 52 |
| Pattern: | supplied |




| Angle | Distance(ft) |
|---|---|
| 0 | 6.835e+004 |
| 45 | 2161 |
| 180 | 2161 |

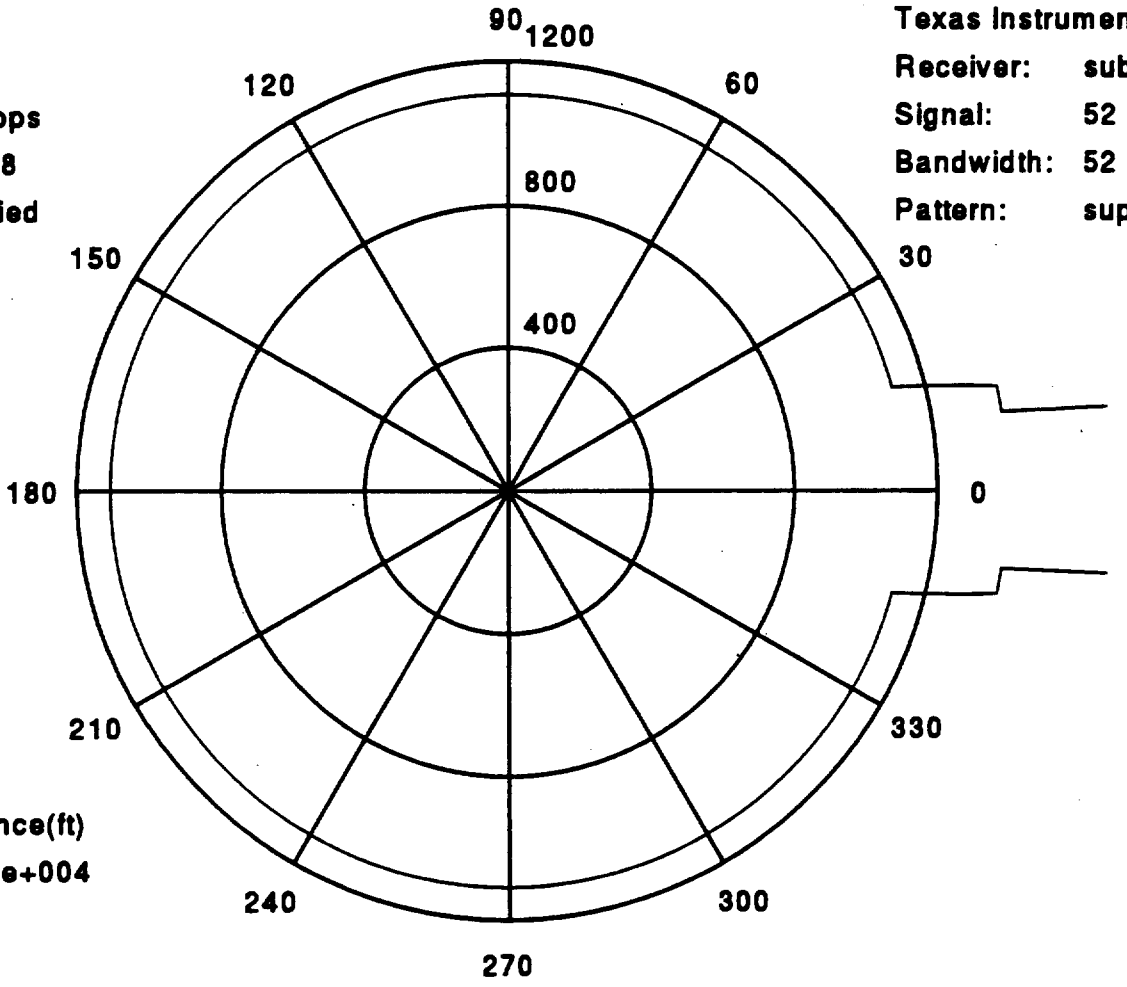
Protection Distance (ft) Case: 29 Acts into Texas Instruments

**Acts**

| | |
|---|---|
| Terminal: | usat |
| Signal: | 4.8 kbps |
| Bandwidth: | 0.0048 |
| Pattern: | supplied |
| El. angle: | 30 |

**Texas Instruments**

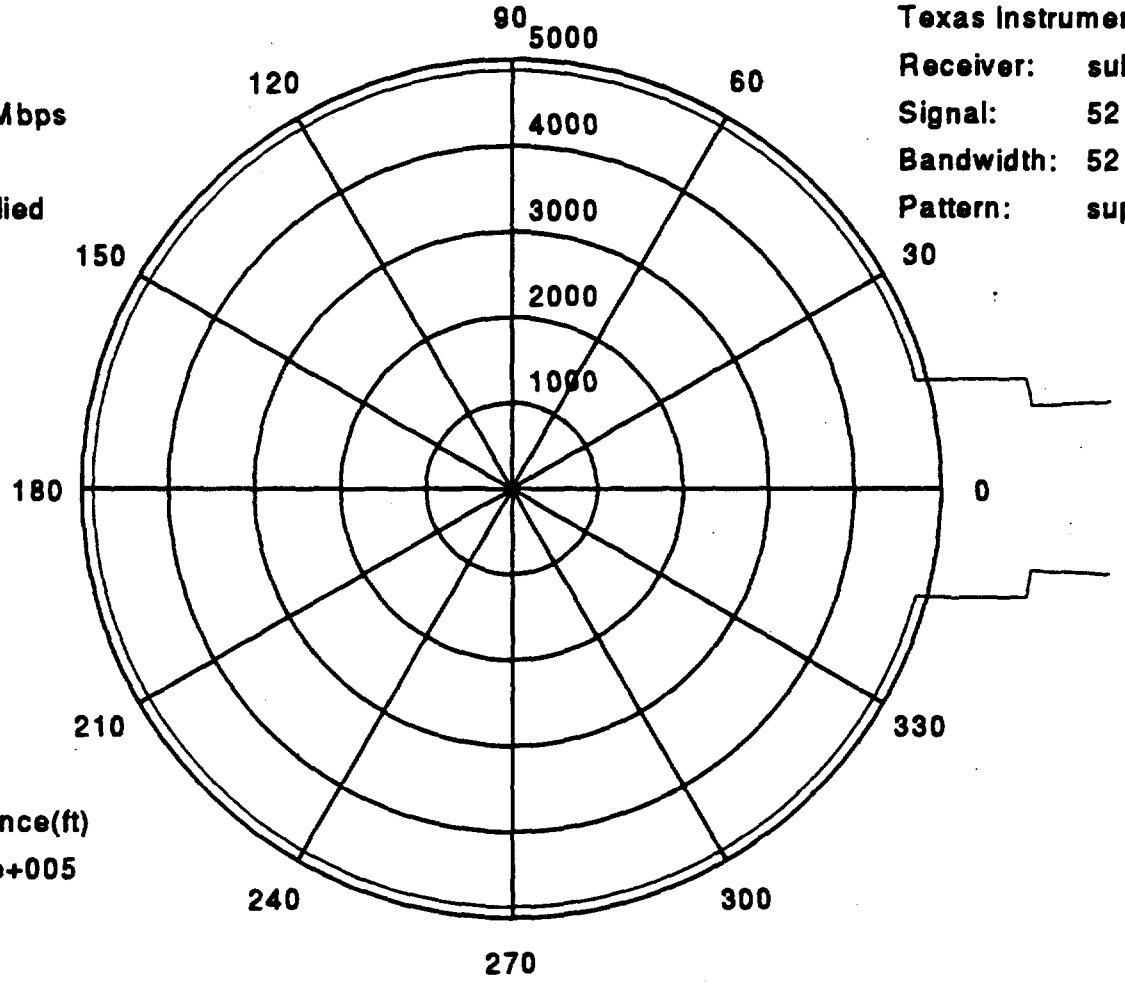
| | |
|---|---|
| Receiver: | subscriber |
| Signal: | 52 Mbps |
| Bandwidth: | 52 |
| Pattern: | supplied |




| Angle | Distance(ft) |
|---|---|
| 0 | 3.506e+004 |
| 45 | 1109 |
| 180 | 1109 |

Protection Distance (ft) Case: 30 Acts into Texas Instruments

| Acts | | Texas Instruments | |
|---|---|---|---|
| Terminal: | hdrt | Receiver: | subscriber |
| Signal: | 622 Mbps | Signal: | 52 Mbps |
| Bandwidth: | 900 | Bandwidth: | 52 |
| Pattern: | supplied | Pattern: | supplied |
| El. angle: | 30 | | |




| Angle | Distance(ft) |
|---|---|
| 0 | 1.54e+005 |
| 45 | 4870 |
| 180 | 4870 |

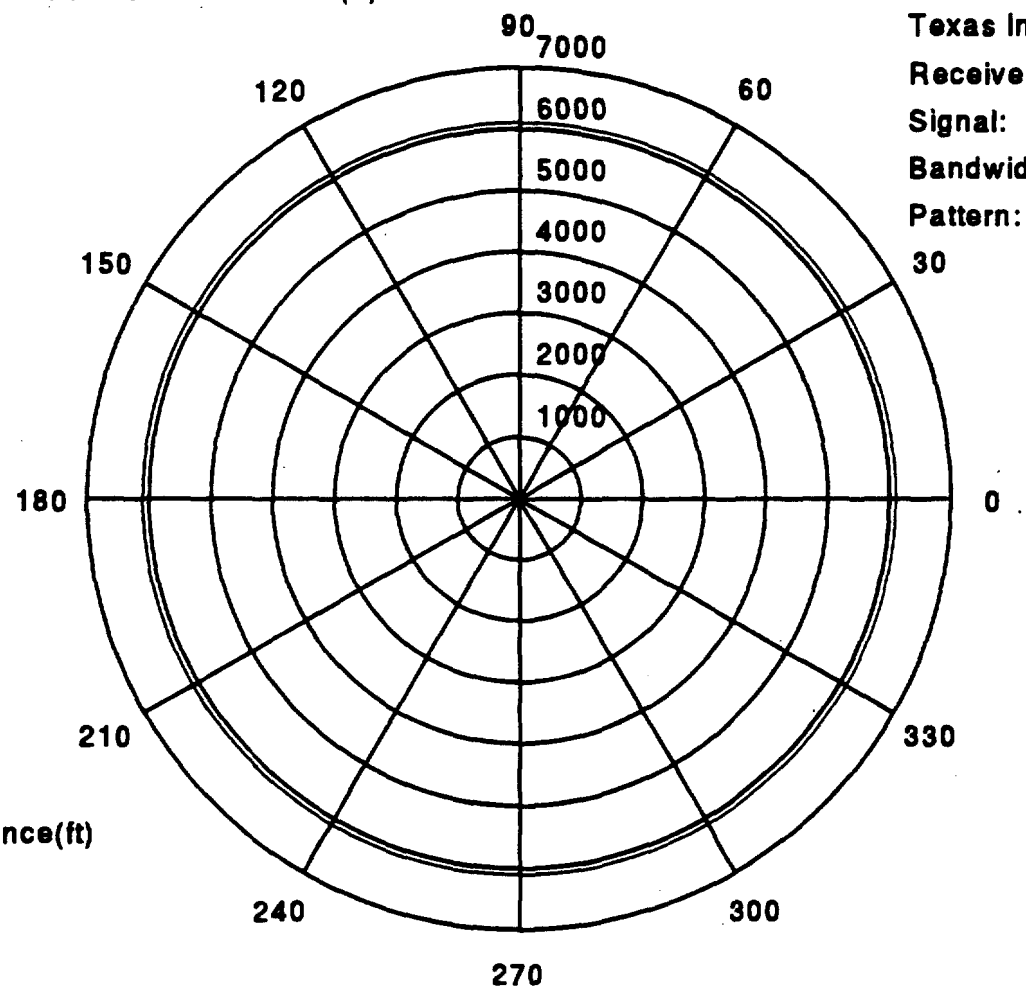
Protection Distance (ft) Case: 31 Teledesic into Texas Instruments

**Teledesic**

| | |
|---|---|
| Terminal: | tst |
| Signal: | t1 |
| Bandwidth: | 26.5 |
| Pattern: | itu |
| El. angle: | 40 |

**Texas Instruments**

| | |
|---|---|
| Receiver: | hub |
| Signal: | 52 Mbps |
| Bandwidth: | 52 |
| Pattern: | supplied |




| Angle | Distance(ft) |
|---|---|
| 0 | 6103 |
| 45 | 6103 |
| 180 | 6103 |

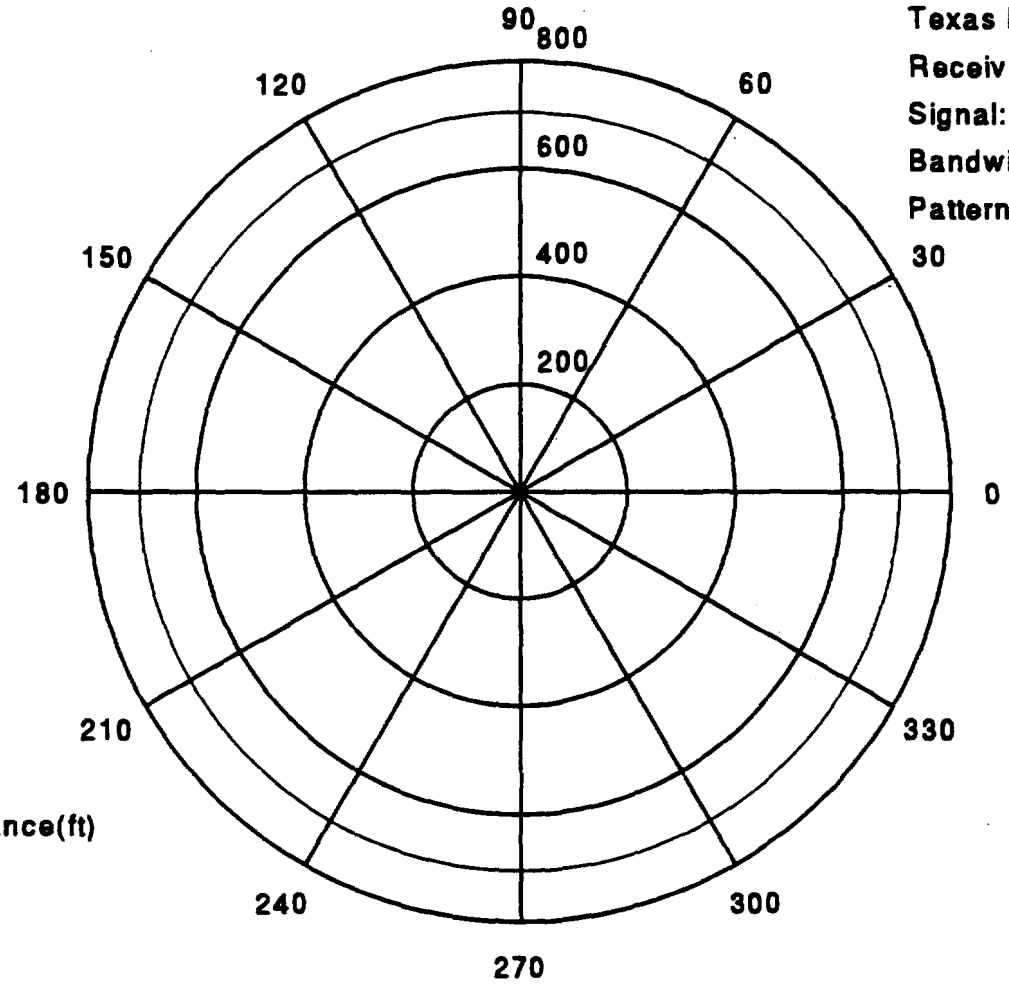
Protection Distance (ft) Case: 32 Teledesic into Texas Instruments

**Teledesic**

| | |
|---|---|
| Terminal: | tgt |
| Signal: | oc24 |
| Bandwidth: | 800 |
| Pattern: | itu |
| El. angle: | 40 |

**Texas Instruments**

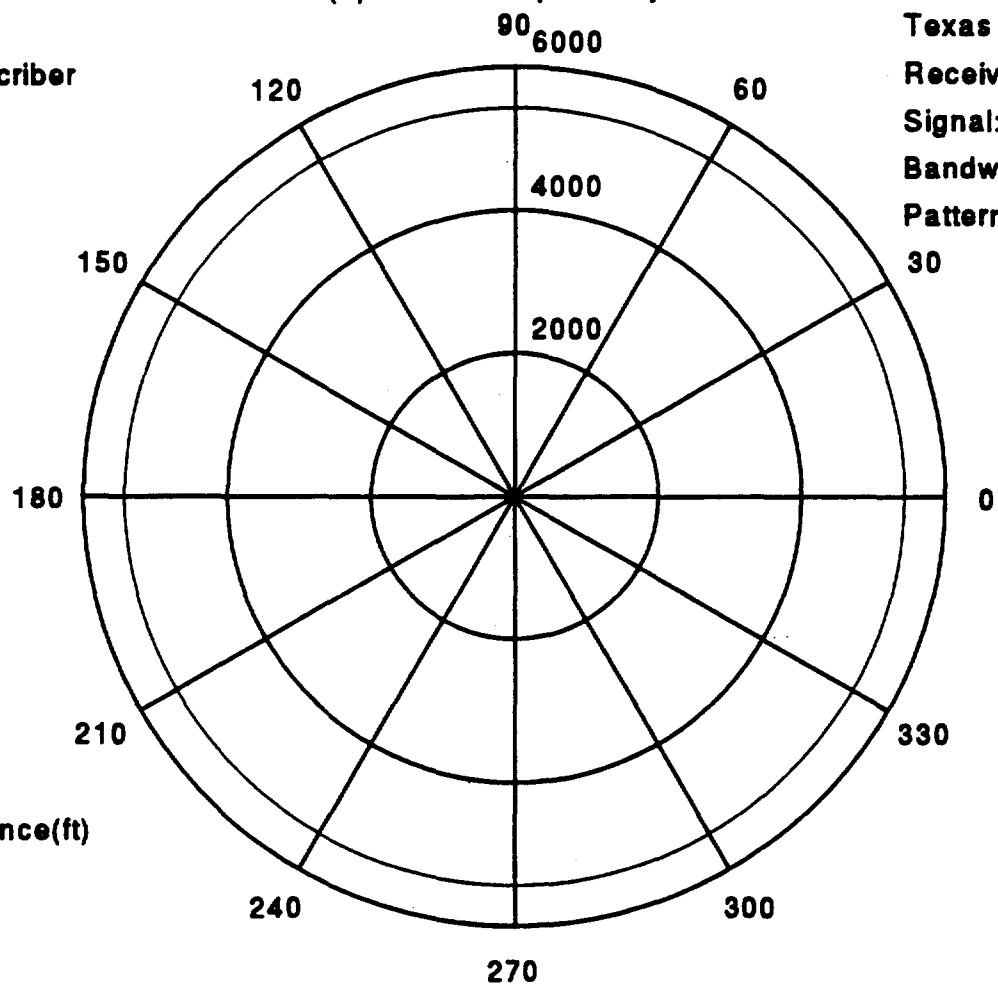
| | |
|---|---|
| Receiver: | hub |
| Signal: | 52 Mbps |
| Bandwidth: | 52 |
| Pattern: | supplied |




| Angle | Distance(ft) |
|---|---|
| 0 | 705 |
| 45 | 705 |
| 180 | 705 |

Protection Distance (ft) Case: 33 Spaceway into Texas Instruments

| Spaceway | | Texas Instruments | |
|---|---|---|---|
| Terminal: | subscriber | Receiver: | hub |
| Signal: | t1 | Signal: | 52 Mbps |
| Bandwidth: | 2 | Bandwidth: | 52 |
| Pattern: | itu | Pattern: | supplied |
| El. angle: | 30 | | |




| Angle | Distance(ft) |
|---|---|
| 0 | 5429 |
| 45 | 5429 |
| 180 | 5429 |

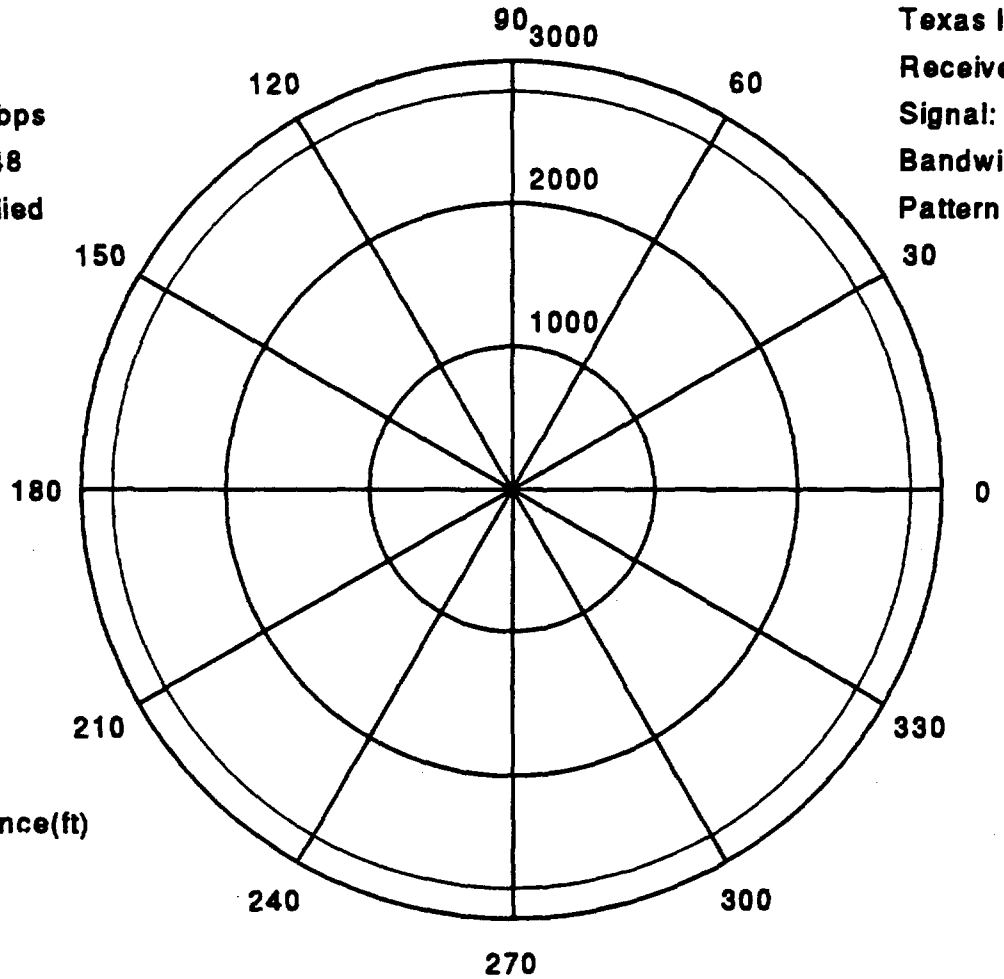
Protection Distance (ft) Case: 34 Acts into Texas Instruments

**Acts**

| | |
|---|---|
| Terminal: | usat |
| Signal: | 4.8 kbps |
| Bandwidth: | 0.0048 |
| Pattern: | supplied |
| El. angle: | 30 |

**Texas Instruments**

| | |
|---|---|
| Receiver: | hub |
| Signal: | 52 Mbps |
| Bandwidth: | 52 |
| Pattern: | supplied |




| Angle | Distance(ft) |
|---|---|
| 0 | 2784 |
| 45 | 2784 |
| 180 | 2784 |

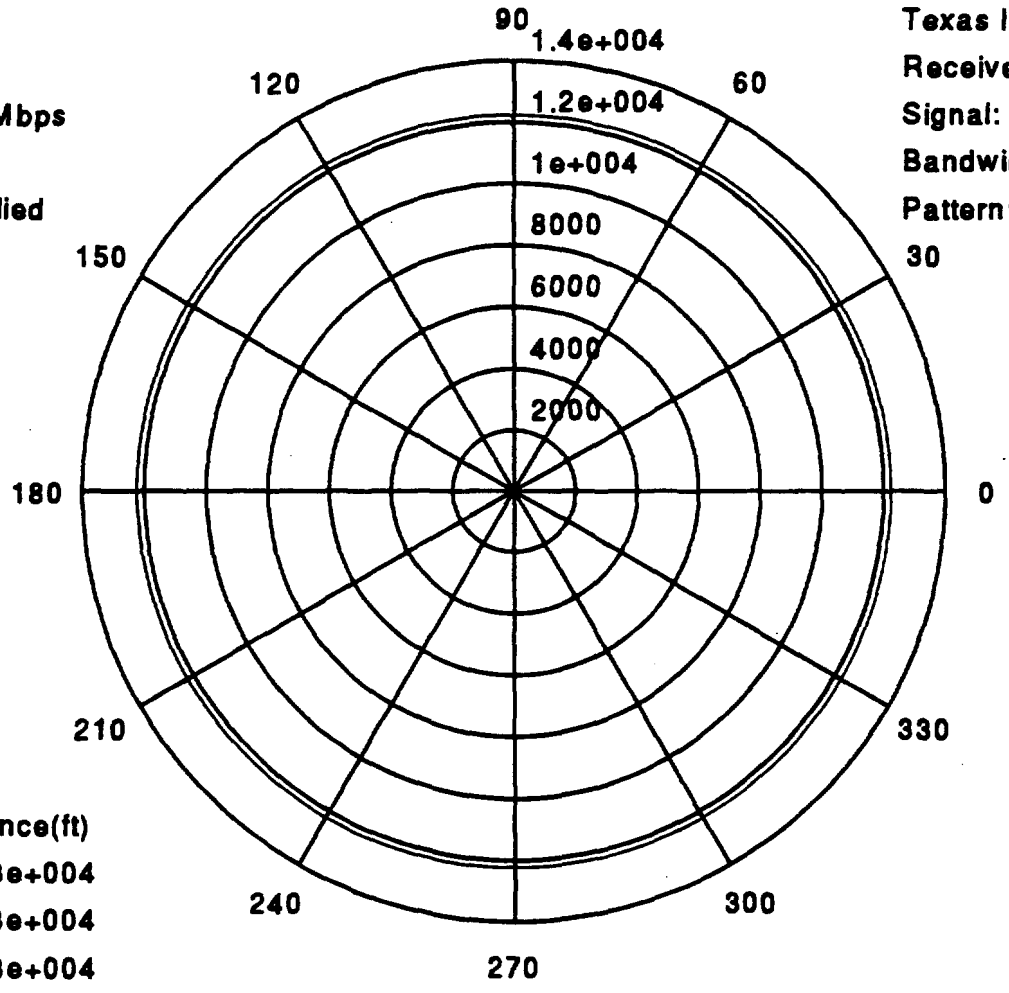
Protection Distance (ft) Case: 35 Acts into Texas Instruments

**Acts**

| | |
|---|---|
| Terminal: | hdrt |
| Signal: | 622 Mbps |
| Bandwidth: | 900 |
| Pattern: | supplied |
| El. angle: | 30 |

**Texas Instruments**

| | |
|---|---|
| Receiver: | hub |
| Signal: | 52 Mbps |
| Bandwidth: | 52 |
| Pattern: | supplied |




| Angle | Distance(ft) |
|---|---|
| 0 | 1.223e+004 |
| 45 | 1.223e+004 |
| 180 | 1.223e+004 |

# Appendix 7

# REPORT OF WORKING GROUP 2

## LMDS/FSS 28 GHz BAND NEGOTIATED RULEMAKING COMMITTEE

September 20, 1994

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