Cobham SATCOM, Sea Tel Products 1.0m EIRPsd Data Table Co Pol Azimuth, -10 to +10 Degrees @ 0.1 deg (A) <u>kHz</u> 14.25 GHz @ -16.3 dBW / 4 kHz

| DegreesdBW/4kHzdBW/4kHz-10.0-20.2-7.0-9.9-18.8-6.9-9.8-17.5-6.8-9.7-16.8-6.7-9.6-16.2-6.6-9.5-16.0-6.4-9.4-16.1-6.3-9.3-16.2-6.6-9.4-16.1-6.3-9.3-16.2-6.0-9.4-16.4-6.0-9.0-16.7-6.0-8.9-17.0-6.0-8.8-17.9-6.0-8.7-18.7-6.0-8.8-17.9-6.0-8.6-19.4-6.0-8.5-19.8-6.0-8.4-19.9-6.0-8.3-19.9-6.0-8.4-19.9-6.0-7.6-16.9-6.0-7.7-16.3-6.0-7.8-16.9-6.0-7.6-15.9-6.0-7.7-16.3-6.0-7.7-16.3-6.0-7.7-16.3-6.0-7.7-16.3-6.0-7.7-16.3-6.0-7.7-16.3-6.0-7.7-16.3-6.0-7.6-15.9-6.0-7.7-16.3-6.0-7.7-16.3-6.0-7.7-16.3-6.0-7.7-16.3-6.0-7.1-10.5-6.0-7.2-11.2-6.0-7.3-12.2-6.0-7.4 | | 14.25 GHz @ -16.3 dBW / 4 kHz | | | |
|---|--|-------------------------------|--|--|--|
| -10.0 -20.2 -7.0 -9.9 -18.8 -6.9 -9.8 -17.5 -6.8 -9.7 -16.8 -6.7 -9.6 -16.2 -6.6 -9.5 -16.0 -6.4 -9.4 -16.1 -6.3 -9.3 -16.2 -6.2 -9.2 -16.3 -6.1 -9.1 -16.4 -6.0 -9.0 -18.7 -6.0 -8.9 -17.0 -6.0 -8.8 -17.9 -6.0 -8.8 -17.9 -6.0 -8.8 -17.9 -6.0 -8.8 -17.9 -6.0 -8.8 -17.9 -6.0 -8.8 -17.9 -6.0 -8.6 -19.4 -6.0 -7.6 -18.6 -6.0 -7.6 -18.6 -6.0 -7.7 -16.3 -6.0 < | Angle | EIRPsd | Mask dP\///4kHz | | |
| -9.9 -18.8 -6.9 -9.8 -17.5 -6.8 -9.7 -16.8 -6.7 -9.6 -16.2 -6.6 -9.5 -16.0 -6.4 -9.4 -16.1 -6.3 -9.3 -16.2 -6.2 -9.2 -16.3 -6.1 -9.1 -16.4 -6.0 -9.0 -16.7 -6.0 -8.9 -17.0 -6.0 -8.9 -17.0 -6.0 -8.8 -17.9 -6.0 -8.8 -17.9 -6.0 -8.6 -19.4 -6.0 -8.5 -19.8 -6.0 -8.5 -19.8 -6.0 -8.5 -19.8 -6.0 -8.6 -19.4 -6.0 -8.3 -19.9 -6.0 -8.3 -19.9 -6.0 -8.1 -19.9 -6.0 -7.8 -16.9 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.6 -15.9 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.5 -6.0 <t< td=""><td></td><td></td><td></td></t<> | | | | | |
| -9.8 -17.5 -6.8 -9.7 -16.8 -6.7 -9.6 -16.2 -6.6 -9.5 -16.0 -6.4 -9.4 -16.1 -6.3 -9.2 -16.3 -6.1 -9.2 -16.3 -6.1 -9.1 -16.4 -6.0 -9.0 -16.7 -6.0 -8.8 -17.9 -6.0 -8.8 -17.9 -6.0 -8.6 -19.4 -6.0 -8.6 -19.4 -6.0 -8.6 -19.4 -6.0 -8.6 -19.4 -6.0 -8.6 -19.4 -6.0 -8.3 -19.9 -6.0 -8.4 -19.9 -6.0 -8.1 -19.9 -6.0 -8.1 -19.9 -6.0 -7.8 -16.9 -6.0 -7.6 -15.9 -6.0 -7.7 -16.3 -6.0 -7.6 -15.9 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.9 -6.0 -7.7 -16.9 -6.0 -7.6 -15.9 -6.0 -7.7 -16.3 -6.0 -7.6 -15.9 -6.0 -7.7 -16.3 -6.0 -7.6 -15.9 -6.0 -7.7 -16.5 -6.0 -7.6 -15.9 -6.0 -7.6 -15.9 -6.0 <t< td=""><td></td><td></td><td></td></t<> | | | | | |
| -9.7 -16.8 -6.7 -9.6 -16.2 -6.6 -9.5 -16.0 -6.4 -9.4 -16.1 -6.3 -9.2 -16.3 -6.1 -9.2 -16.3 -6.1 -9.1 -16.4 -6.0 -9.0 -16.7 -6.0 -8.9 -17.0 -6.0 -8.8 -17.9 -6.0 -8.6 -19.4 -6.0 -8.6 -19.4 -6.0 -8.5 -19.8 -6.0 -8.6 -19.4 -6.0 -8.5 -19.8 -6.0 -8.4 -19.9 -6.0 -8.3 -19.9 -6.0 -8.1 -19.9 -6.0 -7.8 -16.9 -6.0 -7.8 -16.9 -6.0 -7.6 -15.9 -6.0 -7.6 -15.9 -6.0 -7.7 -16.3 -6.0 -7.6 -15.9 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.6 -15.9 -6.0 -7.7 -16.3 -6.0 -7.6 -15.9 -6.0 -7.7 -16.3 -6.0 -7.6 -15.9 -6.0 -7.6 -15.9 -6.0 -7.6 -15.9 -6.0 -7.6 -15.9 -6.0 -7.6 -16.9 -9.9 <t< td=""><td></td><td>-10.0</td><td></td></t<> | | -10.0 | | | |
| -9.6 -16.2 -6.6 -9.5 -16.0 -6.4 -9.4 -16.1 -6.3 -9.3 -16.2 -6.2 -9.2 -16.3 -6.1 -9.1 -16.7 -6.0 -9.0 -16.7 -6.0 -8.9 -17.0 -6.0 -8.9 -17.0 -6.0 -8.8 -17.9 -6.0 -8.7 -18.7 -6.0 -8.6 -19.4 -6.0 -8.5 -19.8 -6.0 -8.4 -19.9 -6.0 -8.3 -19.9 -6.0 -8.4 -19.9 -6.0 -8.3 -19.9 -6.0 -8.1 -19.6 -6.0 -8.0 -7.8 -16.9 -6.0 -7.8 -16.9 -7.6 -15.9 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.5 -6.0 -7.7 -16.5 -6.0 -7.7 -16.5 -6.0 -7.7 -16.5 -6.0 -7.7 -16.5 -6.0 <t< td=""><td></td><td>-17.5</td><td></td></t<> | | -17.5 | | | |
| -9.5 -16.0 -6.4 -9.4 -16.1 -6.3 -9.3 -16.2 -6.2 -9.2 -16.3 -6.1 -9.1 -16.4 -6.0 -9.0 -16.7 -6.0 -8.9 -17.0 -6.0 -8.9 -17.0 -6.0 -8.8 -17.9 -6.0 -8.7 -18.7 -6.0 -8.6 -19.4 -6.0 -8.5 -19.8 -6.0 -8.6 -19.4 -6.0 -8.3 -19.9 -6.0 -8.4 -19.9 -6.0 -8.3 -19.9 -6.0 -8.4 -19.9 -6.0 -8.1 -19.6 -6.0 -8.2 -19.9 -6.0 -7.8 -16.9 -6.0 -7.8 -16.9 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.5 -6.0 -7.7 -16.5 -6.0 -7.7 -16.5 -6.0 -7.6 -15.9 -6.0 <t< td=""><td></td><td></td><td></td></t<> | | | | | |
| -9.4 -16.1 -6.3 -9.3 -16.2 -6.2 -9.2 -16.3 -6.1 -9.1 -16.4 -6.0 -9.0 -16.7 -6.0 -8.9 -17.0 -6.0 -8.9 -17.0 -6.0 -8.8 -17.9 -6.0 -8.8 -17.9 -6.0 -8.6 -19.4 -6.0 -8.6 -19.4 -6.0 -8.6 -19.4 -6.0 -8.6 -19.4 -6.0 -8.3 -19.9 -6.0 -8.3 -19.9 -6.0 -8.1 -19.6 -8.0 -8.0 -18.6 -6.0 -7.9 -17.6 -6.0 -7.8 -16.9 -6.0 -7.7 -16.3 -6.0 -7.6 -15.9 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.2 -11.2 -6.0 -7.4 -13.4 -6.0 -7.2 -11.2 -6.0 -7.4 -13.4 -6.0 -7.6 -7.7 -16.6 -7.6 -7.7 -16.6 -7.6 -7.7 -16.6 -7.6 -7.7 -10.6 -7.7 -10.6 -5.7 <t< td=""><td></td><td>-10.2</td><td></td></t<> | | -10.2 | | | |
| -9.3 -16.2 -6.2 -9.2 -16.3 -6.1 -9.1 -16.7 -6.0 -9.0 -16.7 -6.0 -8.9 -17.0 -6.0 -8.9 -17.0 -6.0 -8.8 -17.9 -6.0 -8.7 -18.7 -6.0 -8.6 -19.4 -6.0 -8.5 -19.8 -6.0 -8.6 -19.4 -6.0 -8.5 -19.8 -6.0 -8.4 -19.9 -6.0 -8.3 -19.9 -6.0 -8.1 -19.6 -6.0 -7.8 -16.9 -6.0 -7.8 -16.9 -6.0 -7.6 -15.9 -6.0 -7.7 -16.3 -6.0 -7.6 -15.9 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.2 -11.2 -6.0 -7.4 -13.4 -6.0 -7.2 -11.2 -6.0 -7.4 -13.4 -6.5 -7.6 -7.7 -16.6 -7.6 -7.7 -16.6 -7.6 -7.7 -10.6 -7.7 -10.6 -5.7 -6.6 -11.4 -5.5 <t< td=""><td></td><td>-16.0</td><td></td></t<> | | -16.0 | | | |
| -9.2 -16.3 -6.1 -9.1 -16.7 -6.0 -8.9 -17.0 -6.0 -8.9 -17.0 -6.0 -8.8 -17.9 -6.0 -8.6 -19.4 -6.0 -8.6 -19.4 -6.0 -8.5 -19.8 -6.0 -8.5 -19.8 -6.0 -8.5 -19.9 -6.0 -8.3 -19.9 -6.0 -8.3 -19.9 -6.0 -8.1 -19.6 -8.0 -8.1 -19.6 -6.0 -7.9 -17.6 -6.0 -7.8 -16.9 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.1 -10.5 -6.0 -7.2 -11.2 -6.0 -7.1 -10.5 -6.0 -7.2 -11.2 -6.0 -7.1 -10.5 -6.0 -7.2 -11.2 -6.0 -7.4 -13.4 -5.5 -6.5 -13.0 -5.3 -6.7 -10.6 -5.7 -6.6 -11.4 -5.5 -6.5 -13.0 -5.3 -6.5 -13.0 -5.3 <t< td=""><td></td><td>-16.1</td><td></td></t<> | | -16.1 | | | |
| -9.1 -16.4 -6.0 -9.0 -16.7 -6.0 -8.9 -17.0 -6.0 -8.8 -17.9 -6.0 -8.7 -18.7 -6.0 -8.6 -19.4 -6.0 -8.5 -19.8 -6.0 -8.5 -19.8 -6.0 -8.3 -19.9 -6.0 -8.3 -19.9 -6.0 -8.2 -19.9 -6.0 -8.1 -19.6 -6.0 -8.0 -18.6 -6.0 -7.9 -17.6 -6.0 -7.8 -16.9 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.4 -13.4 -6.0 -7.2 -11.2 -6.0 -7.1 -10.5 -6.0 -7.0 -10.1 -6.0 -7.0 -10.1 -6.0 -7.0 -10.1 -6.0 -7.0 -10.1 -6.0 -7.1 -10.5 -6.0 -7.2 -11.4 -5.5 -6.5 -13.0 -5.3 -6.6 -11.4 -5.5 -6.5 -13.0 -5.3 -6.6 -11.4 -5.5 -6.5 -13.0 -5.3 <t< td=""><td></td><td></td><td></td></t<> | | | | | |
| -9.0 -16.7 -6.0 -8.9 -17.0 -6.0 -8.8 -17.9 -6.0 -8.7 -18.7 -6.0 -8.6 -19.4 -6.0 -8.5 -19.8 -6.0 -8.5 -19.8 -6.0 -8.3 -19.9 -6.0 -8.3 -19.9 -6.0 -8.2 -19.9 -6.0 -8.2 -19.9 -6.0 -8.1 -19.6 -6.0 -8.0 -18.6 -6.0 -7.9 -17.6 -6.0 -7.8 -16.9 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.4 -13.4 -6.0 -7.2 -11.2 -6.0 -7.1 -10.5 -6.0 -7.1 -10.5 -6.0 -7.1 -10.5 -6.0 -7.1 -10.5 -6.0 -7.2 -11.2 -6.0 -7.4 -13.4 -5.5 -6.5 -13.0 -5.3 -6.6 -11.4 -5.5 -6.5 -13.0 -5.3 -6.5 -13.0 -5.3 -6.5 -13.0 -5.3 -6.5 -13.0 -5.3 -6.5 -11.4 -4.5 <t< td=""><td></td><td>-16.3</td><td></td></t<> | | -16.3 | | | |
| -8.9 -17.0 -6.0 -8.8 -17.9 -6.0 -8.7 -18.7 -6.0 -8.6 -19.4 -6.0 -8.5 -19.8 -6.0 -8.3 -19.9 -6.0 -8.3 -19.9 -6.0 -8.3 -19.9 -6.0 -8.2 -19.9 -6.0 -8.2 -19.9 -6.0 -8.1 -19.6 -6.0 -8.0 -18.6 -6.0 -7.9 -17.6 -6.0 -7.8 -16.9 -6.0 -7.8 -16.9 -6.0 -7.6 -15.9 -6.0 -7.5 -14.8 -6.0 -7.6 -15.9 -6.0 -7.5 -14.8 -6.0 -7.4 -13.4 -6.0 -7.5 -14.8 -6.0 -7.7 -10.5 -6.0 -7.7 -10.5 -6.0 -7.7 -10.5 -6.0 -7.7 -10.5 -6.0 -7.7 -10.1 -6.0 -7.6 -11.2 -6.0 -7.7 -10.6 -5.7 -6.6 -11.4 -5.5 -6.5 -13.0 -5.3 -6.7 -10.6 -5.7 -6.6 -11.4 -5.5 -6.5 -13.0 -5.3 -6.6 -11.4 -5.5 -6.5 -13.0 -5.3 -6.6 -17.6 -3.7 -5.6 -17.6 -3.7 <t< td=""><td>The second s</td><td>-16.4</td><td></td></t<> | The second s | -16.4 | | | |
| -8.8 -17.9 -6.0 -8.7 -18.7 -6.0 -8.6 -19.4 -6.0 -8.5 -19.8 -6.0 -8.5 -19.9 -6.0 -8.3 -19.9 -6.0 -8.2 -19.9 -6.0 -8.1 -19.6 -6.0 -8.1 -19.6 -6.0 -8.0 -18.6 -6.0 -7.9 -17.6 -6.0 -7.8 -16.9 -6.0 -7.6 -15.9 -6.0 -7.6 -15.9 -6.0 -7.5 -14.8 -6.0 -7.5 -14.8 -6.0 -7.5 -14.8 -6.0 -7.5 -14.8 -6.0 -7.5 -14.8 -6.0 -7.6 -15.9 -6.0 -7.7 -16.3 -6.0 -7.4 -13.4 -6.0 -7.2 -11.2 -6.0 -7.1 -10.5 -6.0 -7.0 -10.1 -6.0 -7.0 -10.1 -6.0 -7.0 -10.1 -6.0 -7.0 -10.1 -5.6 -7.0 -10.1 -5.6 -7.0 -10.1 -5.6 -7.0 -10.1 -5.6 -7.0 -10.1 -5.5 -6.5 -13.0 -5.3 -6.6 -11.4 -5.5 -6.5 -13.0 -5.3 -6.6 -11.4 -5.5 -5.8 -19.9 -4.1 <t< td=""><td></td><td>-16.7</td><td></td></t<> | | -16.7 | | | |
| -8.7 -18.7 -6.0 -8.6 -19.4 -6.0 -8.5 -19.8 -6.0 -8.4 -19.9 -6.0 -8.3 -19.9 -6.0 -8.2 -19.9 -6.0 -8.1 -19.6 -6.0 -8.0 -18.6 -6.0 -8.0 -18.6 -6.0 -7.9 -17.6 -6.0 -7.8 -16.9 -6.0 -7.6 -15.9 -6.0 -7.6 -15.9 -6.0 -7.6 -15.9 -6.0 -7.7 -16.3 -6.0 -7.4 -13.4 -6.0 -7.3 -12.2 -6.0 -7.1 -10.5 -6.0 -7.0 -10.1 -6.0 -7.0 -10.1 -6.0 -6.9 -9.9 -6.0 -6.8 -10.1 -5.8 -6.5 -13.0 -5.3 -6.5 -13.0 -5.3 -6.5 -13.0 -5.3 -6.5 | | | | | |
| -8.6 -19.4 -6.0 -8.5 -19.8 -6.0 -8.4 -19.9 -6.0 -8.3 -19.9 -6.0 -8.2 -19.9 -6.0 -8.1 -19.6 -6.0 -8.0 -18.6 -6.0 -7.9 -17.6 -6.0 -7.9 -17.6 -6.0 -7.8 -16.9 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.7 -16.3 -6.0 -7.6 -15.9 -6.0 -7.7 -14.8 -6.0 -7.4 -13.4 -6.0 -7.2 -11.2 -6.0 -7.0 -10.1 -6.0 -7.0 -10.1 -5.8 -6.7 -10.6 -5.7 -6.6 -11.4 -5.5 -6.5 -13.0 -5.3 <t< td=""><td></td><td></td><td></td></t<> | | | | | |
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| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | -8.2 | -19.9 | -6.0 | | |
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| -7.9 -17.6 -6.0 -7.8 -16.9 -6.0 -7.7 -16.3 -6.0 -7.6 -15.9 -6.0 -7.6 -15.9 -6.0 -7.5 -14.8 -6.0 -7.4 -13.4 -6.0 -7.3 -12.2 -6.0 -7.2 -11.2 -6.0 -7.2 -11.2 -6.0 -7.1 -10.5 -6.0 -7.0 -10.1 -6.0 -6.9 -9.9 -6.0 -6.6 -11.4 -5.8 -6.7 -10.6 -5.7 -6.6 -11.4 -5.5 -6.5 -13.0 -5.3 -6.4 -15.7 -5.2 -6.3 -18.6 -5.0 -6.2 -22.1 -4.8 -6.1 -22.6 -4.6 -6.0 -21.4 -4.5 -5.9 -20.4 -4.3 -5.8 -19.9 -4.1 -5.7 -15.3 -3.7 -5.6 -17.6 -3.7 -5.5 -15.3 -3.5 -5.4 -12.8 -3.3 -5.3 -10.7 -3.1 -5.2 -8.9 -2.9 -5.1 -7.3 -2.7 -5.0 -6.3 -2.5 -4.9 -5.6 -2.3 -4.8 -5.1 -2.0 -4.7 -4.9 -1.8 -4.6 -4.8 -1.6 -4.5 -4.7 -1.3 <td>-8.0</td> <td>-18.6</td> <td>-6.0</td> | -8.0 | -18.6 | -6.0 | | |
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| -4.9 -5.6 -2.3 -4.8 -5.1 -2.0 -4.7 -4.9 -1.8 -4.6 -4.8 -1.6 -4.5 -4.7 -1.3 -4.4 -4.9 -1.1 | | | | | |
| -4.8 -5.1 -2.0 -4.7 -4.9 -1.8 -4.6 -4.8 -1.6 -4.5 -4.7 -1.3 -4.4 -4.9 -1.1 | | | -2.5 | | |
| -4.7 -4.9 -1.8 -4.6 -4.8 -1.6 -4.5 -4.7 -1.3 -4.4 -4.9 -1.1 | | | -2.3 | | |
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| -4.5 -4.7 -1.3 -4.4 -4.9 -1.1 | | | | | |
| -4.4 -4.9 -1.1 | | | | | |
| -4.4 -4.9 -1.1 | | | | | |
| -4.3 -5.2 -0.8 | | | | | |
| | -4.3 | -5.2 | -0.8 | | |

| | Hz @ -16.3 dBV | |
|------------|----------------|---------------------|
| Angle | EIRPsd | Mask |
| Degrees | dBW/4kHz | dBW/4kHz |
| 0.0 | 24.4 | |
| 0.1 | 24.3 | |
| 0.2 | 24.1 | |
| 0.3 | 23.8 | |
| 0.4 | 23.4 | |
| 0.5 | 22.9 | |
| 0.6 | 22.3 | |
| 0.7 | 21.3 | |
| 0.8 | 20.5 | |
| 0.9 | 19.4 | |
| 1.0 | 18.0 | |
| 1.1 | 16.8 | |
| 1.2 | 14.8 | |
| 1.3 | 12.7 | |
| 1.4 | 10.4 | |
| 1.5 | 7.0 | 10.6 |
| 1.6 | 3.2 | 9.9 |
| 1.7 | -2.9 | 9.2 |
| 1.8 | -18.1 | 8.6 |
| 1.9 | -7.7 | 8.0 |
| 2.0 | -1.3 | 7.5 |
| 2.0 | 1.1 | 6.9 |
| 2.2 | 2.5 | 6.4 |
| 2.3 | 3.4 | 6.0 |
| 2.4 | 3.6 | 5.5 |
| 2.5 | 3.3 | 5.1 |
| 2.6 | 2.6 | 4.6 |
| 2.7 | 1.9 | 4.2 |
| 2.8 | 0.8 | 3.8 |
| 2.9 | -0.2 | 3.4 |
| 3.0 | -1.2 | 3.1 |
| 3.1 | -2.4 | 2.7 |
| 3.2 | -3.4 | 2.4 |
| 3.3 | -4.5 | 2.0 |
| 3.4 | -5.6 | 1.7 |
| 3.5 | -6.6 | 1.4 |
| 3.6 | -7.2 | 1.1 |
| 3.7 | -7.5 | 0.8 |
| 3.8 | -7.3 | 0.8 |
| 3.9 | -7.5 -6.6 | 0.5 |
| 4.0 | -0.0 -5.9 | -0.1 |
| 4.0 | -5.0 | -0.1 |
| 4.1 | -5.0 -4.3 | -0.3 |
| 4.2 | -4.0 | -0.8 |
| 4.3 | -4.0 | -0.8 -1.1 |
| | | |
| 4.5 4.6 | -4.2 | -1.3 |
| 4.0 | -4.5 -4.8 | <u>-1.6</u> -1.8 |
| | | -1.8 -2.0 |
| 4.8 | -5.2 | |
| 4.9 | -5.8 -6.7 | -2.3 -2.5 |
| 5.0 | -6.7 -7.7 | -2.5 -2.7 |
| 5.1 | | |
| 5.2 | -9.2 | -2.9 |
| 5.3 | -10.5 | -3.1 |
| 5.4 | -11.9 | -3.3 |
| 5.5 | -13.7 | -3.5 |
| 5.6 | -15.2 | -3.7 |
| 5.7 | -17.6 | -3.9 |
| | | |

Page 1 of 2

Cobham SATCOM, Sea Tel Products 1.0m EIRPsd Data Table Co Pol Azimuth, -10 to +10 Degrees @ 0.1 deg (A)

| | | COPULAZ |
|--------------|------------|-------------|
| -4.2 | -5.7 | -0.6 |
| -4.1 | -6.6 | -0.3 |
| -4.0 | -7.6 | -0.1 0.2 |
| -3.9 | -8.6 | 0.2 |
| -3.8 | -9.7 | 0.5 |
| -3.7 | -10.4 | 0.8 |
| -3.6 | ~10.7 | 1.1 |
| -3.5 | -10.3 | 1.4 |
| -3.4 | -9.6 | 1.7 |
| -3.3 | -7.9 | 2.0 |
| -3.2 | -6.0 | 2.4 |
| -3.1 | -4.3 | 2.7 |
| -3.0 | -2.3 | 3.1 |
| -2.9 | -0.8 | 3.4 |
| -2.8 | 0.7 | 3.8 |
| -2.7 | 1.9 | 4.2 |
| -2.6 | 2.6 | 4.6 |
| -2.5 | 3.2 | 5.1 |
| -2.4 | 3.2 | 5.5 |
| -2.3 | 2.9 1.7 | 6.0 |
| -2.2 | 1.7 | 6.4 |
| -2.1 | 0.2 | 6.9 |
| -2.0 | -3.5 | 7.5 |
| -1.9 | -11.3 | 8.0 |
| -1.8 | -6.5 | 8.6 |
| -1.7 | 1.8 | 9.2 |
| -1.6 | 6.2 | 9.9 |
| -1.5 | 9.3 | 10.6 |
| -1.4 | 12.3 | |
| -1.3 | 14.2 | |
| -1.3 -1.2 | 16.1 | |
| -1.1 | 17.6 | |
| -1.0 | 18.8 | |
| -0.9 | 20.1 | |
| -0.8 | 21.0 | |
| -0.7 | 21.9 | |
| -0.6 | 22.6 | |
| -0.5 | 23.1 | |
| -0.4 | 23.6 | |
| -0.3 | 24.0 | |
| -0.2 | 24.2 | |
| -0.1 | 24.4 | |
| 0.0 | 24.4 | |
| | | |

| 5.8 | -21.5 | -4.1 |
|------|-------|------|
| 5.9 | -26.3 | -4.3 |
| 6.0 | -27.0 | -4.5 |
| 6.1 | -21.2 | -4.6 |
| 6.2 | -17.7 | -4.8 |
| 6.3 | -15.5 | -5.0 |
| 6.4 | -14.4 | -5.2 |
| 6.5 | -13.7 | -5.3 |
| 6.6 | -13.3 | -5.5 |
| 6.7 | -12.8 | -5.7 |
| 6.8 | -12.0 | -5.8 |
| 6.9 | -11.4 | -6.0 |
| 7.0 | -11.1 | -6.1 |
| 7.1 | -11.2 | -6.0 |
| 7.2 | -11.4 | -6.0 |
| 7.3 | -11.9 | -6.0 |
| 7.4 | -12.4 | -6.0 |
| 7.5 | -12.9 | -6.0 |
| 7.6 | -14 3 | -6.0 |
| 7.7 | -16.2 | -6.0 |
| 7.8 | -19.3 | -6.0 |
| 7.9 | -23.8 | -6.0 |
| 8.0 | -27.6 | -6.0 |
| 8.1 | -26.7 | -6.0 |
| 8.2 | -23.6 | -6.0 |
| 8.3 | -21.9 | -6.0 |
| 8.4 | -20.6 | -6.0 |
| 8.5 | -20.1 | -6.0 |
| 8.6 | -19.7 | -6.0 |
| 8.7 | -19.6 | -6.0 |
| 8.8 | -19.8 | -6.0 |
| 8.9 | -20.0 | -6.0 |
| 9.0 | -20.0 | -6.0 |
| 9.1 | -19.4 | -6.0 |
| 9.2 | -18.6 | -6.0 |
| 9.3 | -17.5 | -6.2 |
| 9.4 | -16.7 | -6.3 |
| 9.5 | -16.3 | -6.4 |
| 9.6 | -16.3 | -6.6 |
| 9.7 | -17.0 | -6.7 |
| 9.8 | -18.3 | -6.8 |
| 9.9 | -20.0 | -6.9 |
| 10.0 | -22.8 | -7.0 |

Cobham SATCOM, Sea Tel Products 1.0m EIRPsd Data Table Co Pol Azimuth, -180 to +180 Degrees @ 1.0 deg (A)

| 14.25 GHz @ -16.3 dBW / 4 kHz | | | | |
|-------------------------------|----------|----------|--|--|
| Angle | EIRPsd | Mask | | |
| Degrees | dBW/4kHz | dBW/4kHz | | |
| -180.0 | -41.9 | -24.0 | | |
| -179.0 | -45.1 | -24.0 | | |
| -178.0 | -44.0 | -24.0 | | |
| -177.0 | -51.5 | -24.0 | | |
| -176.0 | -44.9 | -24.0 | | |
| -175.0 | -49.7 | -24.0 | | |
| -174.0 | -41.5 | -24.0 | | |
| -173.0 | -45.4 | -24.0 | | |
| -172.0 | -49.6 | -24.0 | | |
| -171.0 | -49.0 | -24.0 | | |
| -170.0 | -44.6 | -24.0 | | |
| -169.0 | -47.3 | -24.0 | | |
| -168.0 | -44.9 | -24.0 | | |
| -167.0 | -44.3 | -24.0 | | |
| -166.0 | -50.7 | -24.0 | | |
| -165.0 | -46.9 | -24.0 | | |
| -164.0 | -43.6 | -24.0 | | |
| -163.0 | -50.0 | -24.0 | | |
| -162.0 | -44.9 | -24.0 | | |
| -161.0 | -46.7 | -24.0 | | |
| -160.0 | -42.9 | -24.0 | | |
| -159.0 | -44.5 | -24.0 | | |
| -158.0 | -44.0 | -24.0 | | |
| -157.0 | -45.6 | -24.0 | | |
| -156.0 | -43.4 | -24.0 | | |
| -155.0 | -44.9 | -24.0 | | |
| -154.0 | -42.5 | -24.0 | | |
| -153.0 | -43.7 | -24.0 | | |
| -152.0 | -44.2 | -24.0 | | |
| -151.0 | -44.5 | -24.0 | | |
| -150.0 | -43.3 | -24.0 | | |
| -149.0 | -45.8 | -24.0 | | |
| -148.0 | -42.9 | -24.0 | | |
| -147.0 | -43.5 | -24.0 | | |
| -146.0 | -44,3 | -24.0 | | |
| -145.0 | -43.7 | -24.0 | | |
| -144.0 | -42.7 | -24.0 | | |
| -143.0 | -46.0 | -24.0 | | |
| -142.0 | -42.9 | -24.0 | | |
| -141.0 | -42.4 | -24.0 | | |
| -140.0 | -43.5 | -24.0 | | |
| -139.0 | -44.8 | -24.0 | | |
| -138.0 | -42.5 | -24.0 | | |
| -137.0 | -46.2 | -24.0 | | |
| -136.0 | -43.7 | -24.0 | | |
| -135.0 | -44.3 | -24.0 | | |
| -134.0 | -47.1 | -24.0 | | |
| -133.0 | -41.9 | -24.0 | | |
| -132.0 | -44.0 | -24.0 | | |
| -131.0 | -45.3 | -24.0 | | |
| -130.0 | -42.9 | -24.0 | | |
| -129.0 | -44.7 | -24.0 | | |
| -128.0 | -46.2 | -24.0 | | |
| -127.0 | -42.7 | -24.0 | | |
| -126.0 | -42.6 | -24.0 | | |
| -125.0 | -48.0 | -24.0 | | |
| -124.0 | -41.3 | -24.0 | | |
| -123.0 | -44.0 | -24.0 | | |
| -122.0 | -45.6 | -24.0 | | |
| | | | | |

| Angle | <u>Hz @ -16.3 dBV</u> EIRPsd | Mask |
|---------|---------------------------------|------------------|
| Degrees | dBW/4kHz | dBW/4kHz |
| 0.0 | 24.4 | d D T II - HU IZ |
| 1.0 | 20.0 | |
| 2.0 | 2.9 | 7.5 |
| 3.0 | 0.3 | 3.1 |
| 4.0 | -4.2 | -0.1 |
| 5.0 | -5.5 | -2.5 |
| 6.0 | -16.6 | -4.5 |
| 7.0 | -11.1 | -6.1 |
| 8.0 | -21.5 | -6.0 |
| 9.0 | -18.0 | -6.0 |
| 10.0 | -19.2 | -7.0 |
| 11.0 | -30.5 | -8.0 |
| 12.0 | -17.4 | -9.0 |
| 13.0 | -21.4 | -9.8 |
| 14.0 | -19.8 | -10.7 |
| 15.0 | -22.0 | -11.4 |
| 16.0 | -35.1 | -12.1 |
| 17.0 | -26.3 | -12.8 |
| 18.0 | -28.2 | -13.4 |
| 19.0 | -30.4 | -14.0 |
| 20.0 | -40.4 | -14.5 |
| 21.0 | -32.2 | -15.1 |
| 22.0 | -27.0 | -15.6 |
| 23.0 | -35.3 | -16.0 |
| 24.0 | -31.5 | -16.5 |
| 25.0 | -21.8 | -16.9 |
| 26.0 | -19.4 | -17.4 |
| 27.0 | -21.8 | -17.8 |
| 28.0 | -26.2 | -18.2 |
| 29.0 | -26.6 | -18.6 |
| 30.0 | -26.3 | -18.9 |
| 31.0 | -28.6 | -19.3 |
| 32.0 | -23.2 | -19.6 |
| 33.0 | -22.2 | -20.0 |
| 34.0 | -28.4 | -20.3 |
| 35.0 | -30.3 | -20.6 |
| 36.0 | -25.7 | -20.9 |
| 37.0 | -24.4 | -21.2 |
| 38.0 | -24.6 | -21.5 |
| 39.0 | -24.2 | -21.8 |
| 40.0 | -25.6 | -22.1 |
| 41.0 | -23.9 | -22.3 |
| 42.0 | -23.4 | -22.6 |
| 43.0 | -24.0 | -22.8 |
| 44.0 | -29.9 | -23.1 |
| 45.0 | -32.5 | -23.3 |
| 46.0 | -28.4 | -23.6 |
| 47.0 | -28.9 | -23.8 |
| 48.0 | -32.1 | -24.0 |
| 49.0 | -43.9 | -24.0 |
| 50.0 | -37.0 | -24.0 |
| 51.0 | -34.3 | -24.0 |
| 52.0 | -37.0 | -24.0 |
| 53.0 | -36.2 | -24.0 |
| 54.0 | -32.4 | -24.0 |
| 55.0 | -28.5 | -24.0 |
| 56.0 | -27.9 | -24.0 |
| 57.0 | -28.5 | -24.0 |
| 58.0 | -29.4 | -24.0 |

Cobham SATCOM, Sea Tel Products1.0m EIRPsd Data TableCo Pol Azimuth, -180 to +180 Degrees @ 1.0 deg (A)-24.059.0

| | - | Co Pol Azi |
|--------|-------|------------|
| -121.0 | -43.2 | -24.0 |
| -120.0 | -45.1 | -24.0 |
| -119.0 | -51.5 | -24.0 |
| 440.0 | | |
| -118.0 | -43.7 | -24.0 |
| -117.0 | -41.7 | -24.0 |
| -116.0 | -47.7 | -24.0 |
| -115.0 | -41.8 | -24.0 |
| -114.0 | -43.5 | -24.0 |
| | | |
| -113.0 | -47.4 | -24.0 |
| -112.0 | -43.2 | -24.0 |
| -111.0 | -42.5 | -24.0 |
| -110.0 | -51.6 | -24.0 |
| -109.0 | -41.1 | -24.0 |
| -108.0 | -41.2 | -24.0 |
| -107.0 | -51.7 | |
| | | -24.0 |
| -106.0 | -39.7 | -24.0 |
| -105.0 | -39.2 | -24.0 |
| -104.0 | -44.2 | -24.0 |
| -103.0 | -40.8 | -24.0 |
| -102.0 | -38.1 | -24.0 |
| | | |
| -101.0 | -40.3 | -24.0 |
| -100.0 | -50.8 | -24.0 |
| -99.0 | -40.0 | -24.0 |
| -98.0 | -38.1 | -24.0 |
| -97.0 | -40.4 | -24.0 |
| -96.0 | -45.1 | -24.0 |
| -95.0 | -36.8 | -24.0 |
| | | |
| -94.0 | -35.9 | -24.0 |
| -93.0 | -40.7 | -24.0 |
| -92.0 | -40.5 | -24.0 |
| -91.0 | -34.6 | -24.0 |
| -90.0 | -34.3 | -24.0 |
| -89.0 | -38.4 | -24.0 |
| | -30.4 | -24.0 |
| -88.0 | -39.6 | -24.0 |
| -87.0 | -33.2 | -24.0 |
| -86.0 | -32.4 | -24.0 |
| -85.0 | -35.1 | -24.0 |
| -84.0 | -40.8 | -24.0 |
| -83.0 | -35.0 | -24.0 |
| -82.0 | -31.2 | -24.0 |
| | | |
| -81.0 | -31.2 | -24.0 |
| -80.0 | -34.5 | -24.0 |
| -79.0 | -42.6 | -24.0 |
| -78.0 | -34.4 | -24.0 |
| -77.0 | -30.9 | -24.0 |
| -76.0 | -30.1 | -24.0 |
| -75.0 | -32.0 | -24.0 |
| | | |
| -74.0 | -39.3 | -24.0 |
| -73.0 | -38.3 | -24.0 |
| -72.0 | -33.0 | -24.0 |
| -71.0 | -32.6 | -24.0 |
| -70.0 | -34.1 | -24.0 |
| -69.0 | -44.2 | -24.0 |
| | | -24.0 |
| -68.0 | -45.0 | |
| -67.0 | -42.5 | -24.0 |
| -66.0 | -41.3 | -24.0 |
| -65.0 | -43.1 | -24.0 |
| -64.0 | -36.3 | -24.0 |
| -63.0 | -34.9 | -24.0 |
| -62.0 | -34.9 | -24.0 |
| | | -24.0 |
| -61.0 | -34.4 | |
| -60.0 | -34.4 | -24.0 |

| egrees @ 1.0 deg | (A) | |
|------------------|---|-------|
| 59.0 | -31.0 | -24.0 |
| 60.0 | -32.2 | -24.0 |
| 61.0 | -31.6 | -24.0 |
| 62.0 | -32.3 | -24.0 |
| 63.0 | -32.7 | -24.0 |
| 64.0 | -33.7 | -24.0 |
| 65.0 | -39.3 | -24.0 |
| 66.0 | -41.7 | -24.0 |
| | the second s | |
| 67.0 | -42.1 | -24.0 |
| 68.0 | -48.3 | -24.0 |
| 69.0 | -42.7 | -24.0 |
| 70.0 | -34.7 | -24.0 |
| 71.0 | -32.3 | -24.0 |
| 72.0 | -33.3 | -24.0 |
| 73.0 | -36.4 | -24.0 |
| 74.0 | -40.8 | -24.0 |
| 75.0 | -33.9 | -24.0 |
| 76.0 | -31.4 | -24.0 |
| 77.0 | -31.7 | -24.0 |
| 78.0 | -35.6 | -24.0 |
| 79.0 | -47.1 | -24.0 |
| 80.0 | -35.9 | -24.0 |
| 81.0 | -32.7 | -24.0 |
| 82.0 | -32.9 | -24.0 |
| | | |
| 83.0 | -35.7 | -24.0 |
| 84.0 | -46.6 | -24.0 |
| 85.0 | -35.9 | -24.0 |
| 86.0 | -34.1 | -24.0 |
| 87.0 | -35.3 | -24.0 |
| 88.0 | -41.6 | -24.0 |
| 89.0 | -39.9 | -24.0 |
| 90.0 | -35.6 | -24.0 |
| 91.0 | -35.3 | -24.0 |
| 92.0 | -42.0 | -24.0 |
| 93.0 | -41.5 | -24.0 |
| 94.0 | -37.7 | -24.0 |
| 95.0 | -39.0 | -24.0 |
| 96.0 | -47.9 | -24.0 |
| 97.0 | -41.6 | -24.0 |
| 98.0 | -39.8 | |
| | | -24.0 |
| 99.0 | -42.0 | -24.0 |
| 100.0 | -53.4 | -24.0 |
| 101.0 | -41.4 | -24.0 |
| 102.0 | -39.9 | -24.0 |
| 103.0 | -45.5 | -24.0 |
| 104.0 | -45.8 | -24.0 |
| 105.0 | -42.1 | -24.0 |
| 106.0 | -42.8 | -24.0 |
| 107.0 | -55.2 | -24.0 |
| 108.0 | -44.4 | -24.0 |
| 109.0 | -43.7 | -24.0 |
| 110.0 | -51.9 | -24.0 |
| 111.0 | -44.9 | -24.0 |
| 112.0 | -42.2 | -24.0 |
| 113.0 | -53.5 | -24.0 |
| 114.0 | -42.4 | -24.0 |
| 115.0 | -43.2 | -24.0 |
| 116.0 | -48.0 | -24.0 |
| 117.0 | The second se | |
| | -42.7 | -24.0 |
| 118.0 | -45.1 | -24.0 |
| 119.0 | -48.0 | -24.0 |
| 120.0 | -46.1 | -24.0 |
| | | . — |

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Cobham SATCOM, Sea Tel Products 1.0m EIRPsd Data Table Co Pol Azimuth, -180 to +180 Degrees @ 1.0 deg (A)

| | | CO POI AZI |
|-------|-------|------------|
| -59.0 | -32.1 | -24.0 |
| -58.0 | -29.6 | -24.0 |
| -57.0 | -28.8 | -24.0 |
| -56.0 | -27.6 | -24.0 |
| -55.0 | -28.6 | -24.0 |
| -54.0 | -31.6 | -24.0 |
| | -36.4 | |
| -53.0 | | -24.0 |
| -52.0 | -37.3 | -24.0 |
| -51.0 | -33.4 | -24.0 |
| -50.0 | -34.5 | -24.0 |
| -49.0 | -38.6 | -24.0 |
| -48.0 | -32.7 | -24.0 |
| -47.0 | -29.4 | -23.8 |
| -46.0 | -28.9 | -23.6 |
| -45.0 | -32.8 | -23.3 |
| -44.0 | -30.7 | -23.1 |
| -43.0 | -24.4 | -22.8 |
| -42.0 | -24.2 | -22.6 |
| -41.0 | -25.2 | -22.3 |
| | | |
| -40.0 | -26.2 | -22.1 |
| -39.0 | -24.5 | -21.8 |
| -38.0 | -24.1 | -21.5 |
| -37.0 | -24.4 | -21.2 |
| -36.0 | -26.0 | -20.9 |
| -35.0 | -30.6 | -20.6 |
| -34.0 | -27.7 | -20.3 |
| -33.0 | -22.9 | -20.0 |
| -32.0 | -24.5 | -19.6 |
| -31.0 | -31.5 | -19.3 |
| -30.0 | -26.7 | -18.9 |
| -29.0 | -27.2 | -18.6 |
| -28.0 | -25.4 | -18.2 |
| -27.0 | -21.4 | -17.8 |
| -26.0 | -19.7 | -17.4 |
| -20.0 | -23.0 | -16.9 |
| | | |
| -24.0 | -30.2 | -16.5 |
| -23.0 | -34.3 | -16.0 |
| -22.0 | -30.9 | -15.6 |
| -21.0 | -33.4 | -15.1 |
| -20.0 | -35.6 | -14.5 |
| -19.0 | -29.6 | -14.0 |
| -18.0 | -27.1 | -13.4 |
| -17.0 | -26.1 | -12.8 |
| -16.0 | -33.5 | -12.1 |
| -15.0 | -22.0 | -11.4 |
| -14.0 | -20.1 | -10.7 |
| -13.0 | -20.2 | -9.8 |
| -12.0 | -17.5 | -9.0 |
| -11.0 | -30.4 | -8.0 |
| -10.0 | -17.2 | -7.0 |
| | -16.3 | -6.0 |
| -9.0 | -10.3 | |
| -8.0 | -16.6 | -6.0 |
| -7.0 | -10.0 | -6.0 |
| -6.0 | -19.6 | -4.5 |
| -5.0 | -5.0 | -2.5 |
| -4.0 | -6.2 | -0.1 |
| -3.0 | 1.3 | 3.1 |
| -2.0 | 1.0 | 7.5 |
| -1.0 | 21.5 | |
| 0.0 | 24.4 | |
| | | |

| 091000 @ 1.0 009 | <u></u> | |
|------------------|---------|-------|
| 121.0 | -46.1 | -24.0 |
| 122.0 | -47.3 | -24.0 |
| 123.0 | -44.8 | -24.0 |
| | | -24.0 |
| 124.0 | -42.8 | |
| 125.0 | -51.9 | -24.0 |
| 126.0 | -43.9 | -24.0 |
| 127.0 | -43.9 | -24.0 |
| 128.0 | -49.0 | -24.0 |
| 129.0 | -45.0 | -24.0 |
| | -47.5 | -24.0 |
| 130.0 | | |
| 131.0 | -44.4 | -24.0 |
| 132.0 | -46.1 | -24.0 |
| 133.0 | -43.9 | -24.0 |
| 134.0 | -52.2 | -24.0 |
| 135.0 | -43.0 | -24.0 |
| 136.0 | -44.4 | -24.0 |
| | | -24.0 |
| 137.0 | -47.5 | |
| 138.0 | -44.9 | -24.0 |
| 139.0 | -47.8 | -24.0 |
| 140.0 | -44.7 | -24.0 |
| 141.0 | -46.6 | -24.0 |
| 142.0 | -45.0 | -24.0 |
| 143.0 | | -24.0 |
| | -47.7 | |
| 144.0 | -43.5 | -24.0 |
| 145.0 | -43.4 | -24.0 |
| 146.0 | -46.0 | -24.0 |
| 147.0 | -42.7 | -24.0 |
| 148.0 | -46.0 | -24.0 |
| 149.0 | -44.2 | -24.0 |
| | | |
| 150.0 | -46.0 | -24.0 |
| 151.0 | -46.9 | -24.0 |
| 152.0 | -43.9 | -24.0 |
| 153.0 | -45.5 | -24.0 |
| 154.0 | -45.4 | -24.0 |
| 155.0 | -44.6 | -24.0 |
| 156.0 | -44.8 | -24.0 |
| | | |
| 157.0 | -44.5 | -24.0 |
| 158.0 | -43.7 | -24.0 |
| 159.0 | -44.4 | -24.0 |
| 160.0 | -43.0 | -24.0 |
| 161.0 | -43.1 | -24.0 |
| 162.0 | -46.4 | -24.0 |
| 163.0 | -47.2 | -24.0 |
| | | |
| 164.0 | -45.8 | -24.0 |
| 165.0 | -45.5 | -24.0 |
| 166.0 | -49.8 | -24.0 |
| 167.0 | -43.4 | -24.0 |
| 168.0 | -46.5 | -24.0 |
| 169.0 | -49.5 | -24.0 |
| 170.0 | -42.5 | -24.0 |
| 170.0 | | -24.0 |
| | -45.9 | |
| 172.0 | -47.7 | -24.0 |
| 173.0 | -43.9 | -24.0 |
| 174.0 | -46.9 | -24.0 |
| 175.0 | -44.0 | -24.0 |
| 176.0 | -48.0 | -24.0 |
| 177.0 | -48.2 | -24.0 |
| 178.0 | -49.3 | -24.0 |
| | | |
| 179.0 | -46.2 | -24.0 |
| 180.0 | -48.2 | -24.0 |
| | | |

% Over 0% 140 150 160 170 180 2 AAAAA LL.LL. ALLAND CALL σ Peak Excursions dB 1.5° to 7° 7° to 180° -1.2 -0.7 80 100 110 120 130 ø 8 S 8 Plot Parameters Input sd Gain Cal Factor -16.3 40.88 55.82 2 8 Cobham SATCOM, Sea Tel Products 1.0 m ElRPsd, HH Co-Pol, Azimuth, E-Plane (A) 14.25 GHz @ -16.3 dBW / 4 kHz, 0.2 dB Radome Loss e 14.25 GHz @ -16.3 dBW / 4 kHz, 0.2 dB Radome Loss ន \$ 2 8 Degrees (Azimuth Narrow Sweep) Degrees (Azimuth Wide Sweep) 8 6 ø 0 -20 -10 7 ş γ ¥ នុ Ŷ φ <u></u>2 4 នុ -180 -170 -160 -150 -140 -130 -120 -110 -100 -90 49 φ File D:\SEATEL\ACQUIREDDATA\AZ1425_40_H.MDB ŗ ዋ ņ 무 ***** စမှစ္ 8 8 8 8 5 9 ທ່ ວ່ ŵ ę ÷ ģ ŝ * * * * \$ \$ \$ EIGPsd dBW / 4kHz EIRPed dBW/ 4kHz

Cobham SATCOM, Sea Tel Products 1.0m EIRPsd Data Table Co Pol Elevation, 0 to +30 Degrees @ 0.1 / 0.5 deg (B)

| 44.05 | OI 100 | A 4 | ~ ~ | -10147 | | |
|-------|---------------|---------|-----|--------|---------|---|
| 14.25 | GHZ | (Q) - 1 | 6.3 | авуу | / 4 kHz | Z |

| | 14.25 GHz @ -16.3 dBW / 4 kHz | | | | |
|---------|-------------------------------|--------------------------|--|--|--|
| Angle | EIRPsd | Mask | | | |
| Degrees | dBW/4kHz | dBW/4kHz | | | |
| 0.0 | 24.5 | | | | |
| 0.1 | 24.5 | | | | |
| 0.2 | 24.4 | | | | |
| 0.3 | 24.2 | | | | |
| 0.4 | 23.9 | | | | |
| 0.5 | 23.5 | | | | |
| 0.6 | 23.1 | | | | |
| 0.7 | 22.5 | | | | |
| 0.8 | 21.8 | | | | |
| 0.9 | 21.1 | | | | |
| 1.0 | 20.2 | | | | |
| 1.1 | 19.0 | ······ | | | |
| 1.2 | 18.0 | | | | |
| 1.3 | 16.5 | | | | |
| | | | | | |
| 1.4 | 15.1 | | | | |
| 1.5 | 13.4 | | | | |
| 1.6 | 11.5 | | | | |
| 1.7 | 9.3 | | | | |
| 1.8 | 6.1 | | | | |
| 1.9 | 2.8 | | | | |
| 2.0 | -2.1 | | | | |
| 2.1 | -12.7 | | | | |
| 2.2 | -11.9 | | | | |
| 2.3 | -5.1 | | | | |
| 2.4 | -1.9 | | | | |
| 2.5 | -0.6 | | | | |
| 2.6 | 0.1 | | | | |
| 2.7 | 0.3 | | | | |
| 2.8 | 0.1 | | | | |
| 2.9 | -0.2 | | | | |
| 3.0 | -0.5 | 6.1 | | | |
| 3.1 | -0.9 | 5.7 | | | |
| 3.2 | -1.3 | 5.4 | | | |
| 3.3 | -1.8 | 5.0 | | | |
| 3.4 | -2.5 | 4.7 | | | |
| 3.5 | -3.2 | 4.4 | | | |
| 3.6 | -4.1 | 4.1 | | | |
| 3.7 | -5.1 | 3.8 | | | |
| 3.8 | -5.9 | 3.5 | | | |
| 3.9 | -6.7 | 3.2 | | | |
| 4.0 | -7.4 | | | | |
| 4.1 | -7.8 | <u>2.9</u> 2.7 | | | |
| 4.2 | -8.3 | 2.4 2.2 1.9 1.7 | | | |
| 4.3 | -8.6 | 2.2 | | | |
| 4.4 | -8.6 -8.7 | 1.9 | | | |
| 4.5 | -8.6 | 1.7 | | | |
| 4.6 | -8.3 | 1.4 1.2 1.0 0.7 | | | |
| 4.7 | -8.3 -7.7 -7.3 | 1.2 | | | |
| 4.8 | -7.3 | 1.0 | | | |
| 4.9 | -6.9 | 0.7 | | | |
| 5.0 | -6.9 | 0.5 | | | |
| 5.1 | -7.3 | 0.3 | | | |
| 5.2 | -8.1 | 0.3 | | | |
| 5.2 | -0.1 | -0.1 | | | |
| | | | | | |
| 5.4 | -11.8 | -0.3 | | | |
| 5.5 | -14.3 | -0.5 -0.7 | | | |
| 5.6 | -16.6 | -0.7 | | | |

| Angle | Hz @ -16.3 dBV EIRPsd | Mask |
|---------|--------------------------|----------|
| Degrees | dBW/4kHz | dBW/4kHz |
| 10.0 | -15.7 | -7.0 |
| 10.5 | -17.5 | -7.5 |
| 11.0 | -20.7 | -8.0 |
| 11.5 | -21.9 | -8.5 |
| 12.0 | -22.8 | -9.0 |
| 12.5 | -25.6 | -9.4 |
| 13.0 | -29.1 | -9.8 |
| 13.5 | -28.0 | -10.3 |
| 14.0 | -23.5 | -10.7 |
| 14.5 | -20.3 | -11.0 |
| 15.0 | -19.6 | -11.4 |
| 15.5 | -20.7 | -11.8 |
| 16.0 | -22.7 | -12.1 |
| 16.5 | -27.2 | -12.4 |
| 17.0 | -38.8 | -12.8 |
| 17.5 | -40.0 | -13.1 |
| 18.0 | -33.0 | -13.4 |
| 18.5 | -31.3 | -13.7 |
| 19.0 | -30.5 | -14.0 |
| 19.5 | -31.3 | -14.3 |
| 20.0 | -33.8 | -14.5 |
| 20.5 | -38.0 | -14.8 |
| 21.0 | -35.8 | -15.1 |
| 21.5 | -32.9 | -15.3 |
| 22.0 | -32.0 | -15.6 |
| 22.5 | -33.6 | -15.8 |
| 23.0 | -40.1 | -16.0 |
| 23.5 | -43.0 | -16.3 |
| 24.0 | -34.0 | -16.5 |
| 24.5 | -29.7 | -16.7 |
| 25.0 | -30.3 | -16.9 |
| 25.5 | -34.5 | -17.2 |
| 26.0 | -43.0 | -17.4 |
| 26.5 | -39.4 | -17.6 |
| 27.0 | -34.6 | -17.8 |
| 27.5 | -32.2 | -18.0 |
| 28.0 | -30.9 | -18.2 |
| 28.5 | -32.2 | -18.4 |
| 29.0 | -31.0 | -18.6 |
| 29.5 | -28.6 | -18.7 |
| 30.0 | -27.2 | -18.9 |
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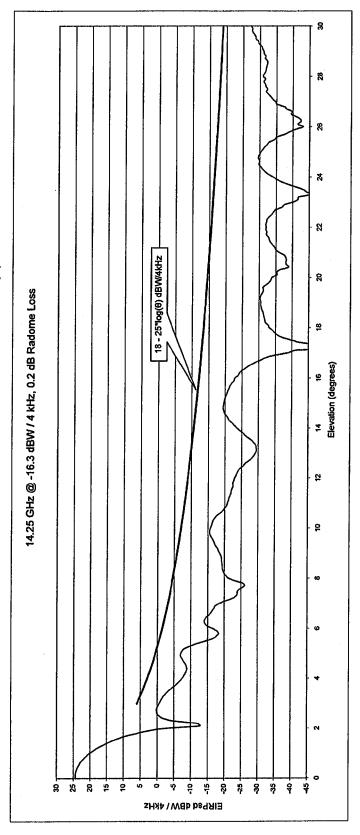
Cobham SATCOM, Sea Tel Products 1.0m EIRPsd Data Table Co Pol Elevation, 0 to +30 Degrees @ 0.1 / 0.5 deg (B)

| 5.7 | -17.6 | -0.9 |
|------|--------|--------------|
| 5.8 | -18.2 | -1.1 |
| 5.9 | -17.7 | -1.3 |
| 6.0 | -16.5 | -1.5 |
| 6.1 | -15.0 | -1.6 |
| 6.2 | -14.1 | -1.8 |
| 6.3 | -13.9 | -2.0 |
| 6.4 | -14.3 | -2.2 |
| 6.5 | -15.0 | -2.3 |
| 6.6 | -15.7 | -2.5 |
| 6.7 | -16.3 | -2.7 |
| 6.8 | -16.8 | -2.8 |
| 6.9 | -17.2 | -3.0 |
| 7.0 | -18.4 | -3.1 |
| 71 | -20.2 | -3.3 |
| 7.1 | -22.2 | -3.4 |
| 7.3 | -23.4 | -3.6 |
| 7.4 | -23.8 | -37 |
| 7.5 | -23.9 | -3.7 -3.9 |
| 7.6 | -25.0 | -4.0 |
| 7.7 | -26.0 | -4.2 |
| 7.8 | -25.7 | -4.3 |
| 7.9 | -23.3 | -4.4 |
| 8.0 | -21.3 | -4.6 |
| 8.1 | -20.4 | -4.7 |
| 8.2 | -19.9 | -4.8 |
| 8.3 | -19.6 | -5.0 |
| 8.4 | -19.3 | -5.1 |
| 8.5 | -19.3 | -5.2 |
| 8.6 | -19.2 | -5.4 |
| 8.7 | -19.0 | -5.5 |
| 8.8 | -19.0 | -5.6 |
| 8.9 | -18.8 | -5.7 |
| 9.0 | -18.5 | -5.9 |
| 9.1 | -18.1 | -6.0 |
| 9.2 | -17.8 | -6.1 |
| 9.3 | -17.3 | -6.2 |
| 9.4 | -16.9 | -6.3 |
| 9.5 | -16.5 | -6.4 |
| 9.6 | -16.2 | -6.6 |
| 9.7 | -15.7 | -6.7 |
| 9.8 | -15.4 | -6.8 |
| 9.9 | -15.4 | -6.9 |
| 10.0 | -15.7 | -7.0 |
| 10.0 | - 10.1 | <u> </u> |

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Page 2 of 2

Cobham SATCOM, Sea Tel Products 1.0 meter EIRPsd, HH Co-Pol, Elevation, H-Plane (B)



File D:\SEATEL\ACQUIREDDATA\AZ1425_40_E_V.MDB

Peak Excursions dB - 3° to 30° - 6.59 Cal Factor 56.36 Plot Parameter Input sd Gain (-16.3 40.88

% Over 0%

Cobham SATCOM, Sea Tel Products 1.0M EIRPsd Data Table Cross Pol Azimuth, -10 to +10 Degrees @ 0.1 deg (C)

| | Hz @ -16.3 dBV | |
|------------------|--------------------|------------------|
| Angle | EIRPsd dBW/4kHz | Mask dBW/4kHz |
| Degrees -10.0 | -36.3 | -16.0 |
| -9.9 | -33.3 | -16.0 |
| -9.8 | -32.9 | -16.0 |
| -9.7 | -33.8 | -16.0 |
| -9.6 | -34.3 | -16.0 |
| -9.5 | -36.5 | -16.0 |
| -9.4 | -35.4 | -16.0 |
| -9.3 | -33.9 | -16.0 |
| -9.2 | -35.8 | -16.0 |
| -9.1 | -33.5 | -16.0 |
| -9.0 | -30.8 | -16.0 |
| -8.9 | -33.3 | -16.0 |
| -8.8 | -37.2 | -16.0 |
| -8.7 | -28.1 | -16.0 |
| -8.6 | -30.6 | -16.0 |
| -8.5 | -36.5 | -16.0 |
| -8.4 | -35.8 | -16.0 |
| -8.3 | -36.1 | -16.0 |
| -8.2 | -31.4 | -16.0 |
| -8.1 | -31.8 | -16.0 |
| -8.0 | -31.8 | -16.0 |
| -7.9 | -33.5 | -16.0 |
| -7.8 | -30.1 | -16.0 |
| -7.7 | -29.4 | -16.0 |
| -7.6 | -31.7 | -16.0 |
| -7.5 | -30.6 | -16.0 |
| -7.4 | -34.7 | -16.0 |
| -7.3 | -30.5 | -16.0 |
| -7.2 -7.1 | -33.1 | -16.0 |
| -7.0 | -34.8 -36.4 | -16.0 -16.0 |
| -6.9 | -30.4 | -16.0 |
| -6.8 | -33.3 | -15.8 |
| -6.7 | -30.1 | -15.7 |
| -6.6 | -31.0 | -15.5 |
| -6.5 | -29.1 | -15.3 |
| -6.4 | -31.4 | -15.2 |
| -6.3 | -31.0 | -15.0 |
| -6.2 | -29.4 | -14.8 |
| -6.1 | -29.6 | -14.6 |
| -6.0 | -31.7 | -14.5 |
| -5.9 | -37.4 | -14.3 |
| -5.8 | -32.4 | -14.1 |
| -5.7 | -37.7 | -13.9 |
| -5.6 | -32.3 | -13.7 |
| -5.5 | -36.5 | -13.5 |
| -5.4 | -33.0 | -13.3 |
| -5.3 -5.2 | -29.7 | -13.1 |
| | -33.1 | -12.9 |
| -5.1 | -35.0 | -12.7 |
| -5.0 | -33.6 | -12.5 |
| -4.9 | -35.1 | -12.3 |
| -4.8 | -35.1 | -12.0 |
| -4.7 | -47.7 | -11.8 |
| -4.6 | -39.6 | -11.6 |
| -4.5 | -49.3 | -11.3 |
| -4.4 | -34.4 | -11.1 |
| -4.3 | -55.7 | ~10.8 |

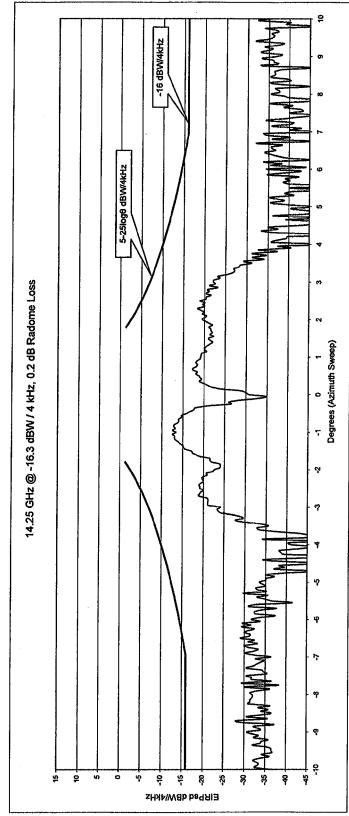
| Angle | Hz @ -16.3 dBV EIRPsd | Mask |
|---------|--------------------------|----------------|
| Degrees | dBW/4kHz | dBW/4kHz |
| 0.0 | -30.8 | |
| 0.1 | -28.8 | |
| 0.2 | -21.9 | |
| 0.3 | -20.0 | |
| 0.4 | -19.4 | |
| 0.5 | -18.8 | |
| 0.6 | -18.4 | |
| 0.7 | -17.4 | |
| 0.8 | -18,4 | |
| 0.9 | -18.4 | |
| 1.0 | -19.1 | |
| 1.1 | -19.4 | |
| 1.2 | -20.1 | |
| 1.3 | -20.8 | |
| 1.4 | -22.0 | |
| 1.5 | -21.1 | |
| 1.6 | -21.4 | |
| 1.7 | -21.7 | |
| 1.8 | -21.2 | -1.4 |
| 1.9 | -21.2 | -2.0 |
| 2.0 | -19.5 | -2.5 |
| 2.1 | -20.6 | 3.1 |
| 2.2 | -20.0 | -3.6 |
| 2.3 | -18.4 | -4.0 |
| 2.4 | -19.5 | -4.5 |
| 2.5 | -18.9 | -4.9 |
| 2.6 | -20.4 | -5.4 |
| 2.7 | -20.3 | -5.8 |
| 2.8 | -20.8 | -6.2 |
| 2.9 | -21.2 | -6.6 |
| 3.0 | -22.1 | -6.9 |
| 3.1 | -23.6 | -7.3 |
| 3.2 | -25.4 | -7.6 |
| 3.3 | -27.2 | -8.0 |
| 3.4 | -28.2 | -8.3 |
| 3.5 | -31.1 | -8.6 |
| 3.6 | -34.1 | -8.9 |
| 3.7 | -34.7 | -9.2 |
| 3.8 | -37.3 | -9.5 |
| 3.9 | -40.5 | -9.8 |
| 4.0 | -49.4 | -10.1 |
| 4.1 | -37.0 | -10.3 |
| 4.2 | -39.9 | -10.6 |
| 4.3 | -37.8 | -10.8 |
| 4.4 | -37.4 | -11.1 -11.3 |
| 4.5 | -42.5 | -11.3 |
| 4.6 | -49.7 | -11.6 |
| 4.7 | -50.3 | -11.8 |
| 4.8 | -43.5 | -12.0 |
| 4.9 | -44.1 | -12.3 |
| 5.0 | -46.3 | -12.5 |
| 5.1 | -35.5 | -12.7 |
| 5.2 | -37.3 | -12.9 |
| 5.3 | -41.1 | -13.1 |
| 5.4 | -40.9 | -13.3 |
| 5.5 | -40.3 | -13.5 |
| 5.6 | -40.1 | -13.7 |
| 5.7 | -40.3 | -13.9 |

Cobham SATCOM, Sea Tel Products 1.0M EIRPsd Data Table Cross Pol Azimuth, -10 to +10 Degrees @ 0.1 deg (C)

| -4.2 | -38.6 | -10.6 |
|----------------------|-------|-------|
| -4.1 | -43.4 | -10.3 |
| -4.0 | -41.3 | -10.1 |
| -3.9 | -48.3 | -9.8 |
| -3.8 | -45.8 | -9.5 |
| -3.7 | -43.4 | -9.2 |
| -3.6 | -33.4 | -8.9 |
| -3.5 | -35.6 | -8.6 |
| -3.4 | -29.9 | -8.3 |
| -3.3 | -29.6 | -8.0 |
| -3.2 | -26.9 | -7.6 |
| -3.1 | -23.6 | -7.3 |
| -3.0 | -24.0 | -6.9 |
| -2.9 | -21.1 | -6.6 |
| -2.8 | -21.2 | -6.2 |
| -2.7 | -18.9 | -5.8 |
| -2.6 | -19.4 | -5.4 |
| -2.5 | -19.2 | -4.9 |
| -2.4 | -19.0 | -4.5 |
| -2.3 -2.2 | -20.0 | -4.0 |
| -2.2 | -19.7 | -3.6 |
| -2.1 | -20.8 | -3.1 |
| -2.0 | -22.7 | -2.5 |
| -1.9 | -24.0 | -2.0 |
| -1.8 | -22.0 | -1.4 |
| -1.7 | -21.5 | |
| -1.6 | -18.2 | |
| -1.5 | -17.2 | |
| -1.4 | -15.2 | |
| -1.3 | -14.3 | |
| - <u>1.3</u> -1.2 | -13.2 | |
| -1 .1 | -13.1 | |
| -1.0 | -13.4 | |
| -0.9 | -13.2 | |
| -0.8 | -13.0 | |
| -0.7 | -14.1 | |
| -0.6 | -14.7 | |
| -0.5 | -15.9 | |
| -0.4 | -17.7 | |
| -0.3 | -21.1 | |
| -0.2 | -25.9 | |
| -0.1 | -32.9 | |
| 0.0 | -30.8 | |

| • • • | | |
|-------|-------|-----------------------|
| 5.8 | -42.2 | -14.1 |
| 5.9 | -39.2 | -14.3 |
| 6.0 | -34.5 | -14.5 |
| 6.1 | -35.6 | -14.6 |
| 6.2 | -34.0 | -14.8 |
| 6.3 | -39.5 | -15.0 |
| 6.4 | -35.4 | -15.2 |
| 6.5 | -36.7 | -15.3 |
| 6.6 | -35.7 | -15.5 |
| 6.7 | -32.1 | -15.7 |
| 6.8 | -35.9 | -15.8 |
| 6.9 | -34.8 | -16.0 |
| 7.0 | -49.2 | -16.0 |
| 7.1 | -42.8 | <u>-16.0</u> -16.0 |
| 7.2 | -40.1 | -16.0 |
| 7.3 | -34.4 | -16.0 |
| 7.4 | -43.2 | -16.0 |
| 7.5 | -40.2 | -16.0 |
| 7.6 | -42.7 | -16.0 |
| 7.7 | -40.7 | -16.0 |
| 7.8 | -43.5 | -16.0 |
| 7.9 | -39.9 | -16.0 |
| 8.0 | -35.5 | -16.0 |
| 8.1 | -37.4 | -16.0 |
| 8.2 | -44.9 | -16.0 |
| 8.3 | -35.3 | -16.0 |
| 8.4 | -39.6 | |
| 8.5 | -36.4 | -16.0 -16.0 |
| 8.6 | -36.4 | -16.0 |
| 8.7 | -46.3 | -16.0 |
| 8.8 | -37.2 | -16.0 |
| 8.9 | -36.0 | -16.0 |
| 9.0 | -36.7 | -16.0 |
| 9.1 | -33.2 | -16.0 |
| 9.2 | -36.0 | -16.0 |
| 9.3 | -37.4 | -16.0 |
| 9.4 | -31.9 | -16.0 |
| 9.5 | -36.0 | -16.0 |
| 9.6 | -35.6 | -16.0 |
| 9.7 | -36.5 | -16.0 |
| 9.8 | -47.3 | -16.0 |
| 9.9 | -40.2 | -16.0 |
| 10.0 | -35.7 | -16.0 |
| ···· | | |

Cobnam SATCOM, Sea Tel Products 1.0 meter EIRPsd, VH XP, Azimuth, E-Plane (C)



FIIE E:\LOOPCANYON\\CQUIREDDATA\!425XAZ_HH_ND_2.MDB

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Peak Excursions dB 1.8° to 7° 7° to 180° -13.09 -13.31

actor 1.

Plot Parameters Pin sci Gain Cal Factor -16.3 43.05 42.12

% Over 0.00

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Sea Tel Inc. 4030 Nelson Ave., Concord California, 94520, USA T: +1 (925) 798-7979 F: +1 (925) 798-7986

FCC Declaration of Conformity

- 1. Sea Tel, Inc. designs, develops, manufactures and services marine stabilized antenna systems for satellite communication at sea. These products are in turn used by our customers as part of their Kuband Earth Station on Vessels (ESV) networks.
- 2. FCC regulation 47 C.F.R. § 25.222 defines the provisions for blanket licensing of ESV antennas operating in the Ku Band. This declaration covers the requirements for meeting § 25.222 (a)(1) by the demonstrations outlined in paragraphs (b)(1)(i) and (b)(1)(iii). The requirements for meeting § 25.222 (a)(3)-(a)(7) are left to the applicant. The paragraph numbers in this declaration refer to the 2009 version of FCC 47 C.F.R. § 25.222.
- 3. Sea Tel hereby declares that the antennas listed below will meet the off-axis EIRP spectral density requirements of § 25.222 (a)(1)(i) with an N value of 1, when the following Input Power spectral density limitations are met:

| *0.6 Meter Ku Band, Models 2406 and USAT-24 are limited to | -21.6 dBW/4kHz |
|--|----------------|
| *0.75 Meter Ku Band, Models 3011 and USAT-30 are limited to | -21.6 dBW/4kHz |
| 1.0 Meter Ku Band, Models 4003/4006/4009/4010 are limited to | -16.3 dBW/4kHz |
| 1.0 Meter Ku Band Model 4012 is limited to | -16.6 dBW/4kHz |
| 1.2 Meter Ku Band, Models 4996/5009/5010 are limited to | -14.0 dBW/4kHz |
| 1.5 Meter Ku Band, Models 6006/6009 are limited to | -14.0 dBW/4kHz |
| 2.4 Meter Ku Band, Models 9797 and 9711QOR are limited to | -14.0 dBW/4kHz |

- 4. Sea Tel hereby declares that the antennas referenced in paragraph 3 above, will maintain a stabilization pointing accuracy of better than 0.2 degrees under specified ship motion conditions, thus meeting the requirements of § 25.222 (a)(1)(ii)(A). Those antennas marked with * will maintain a stabilization pointing accuracy of better than 0.3 degrees. The Input Power spectral density limits for these antenna have been adjusted to meet the requirements of § 25.222 (a)(1)(ii)(B).
- 5. Sea Tel hereby declares that the antennas referenced in paragraph 3 above, will automatically cease transmission within 100 milliseconds if the pointing error should exceed 0.5 degrees and will not resume transmission until the error drops below 0.2 degrees, thus meeting the requirements of § 25.222 (a)(1)(iii).
- 6. Sea Tel maintains all relevant test data, which is available upon request, to verify these declarations.

Peter Blaney, Chief Engineer Sea Tel, Inc Concord, CA