

ELEVATION PATTERN

Exhibit No.

2 Nov 2017

Call Letters

19

Channel Antenna Type

TFU-30GTH O4A

Location

Customer

Future fill is available!

RMS Gain at Main Lobe

27.0 (14.31 dB)

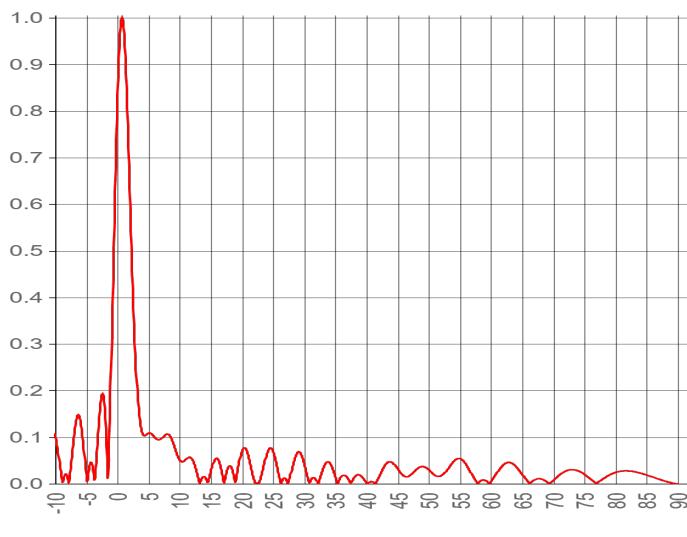
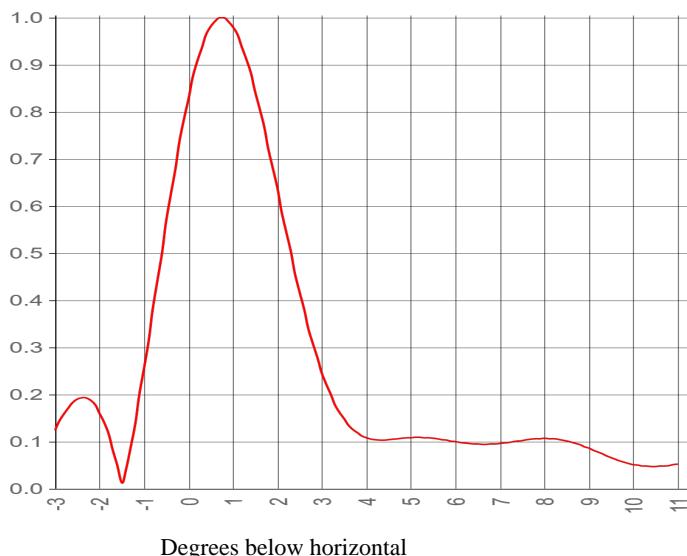
Beam Tilt

0.75 Degrees

RMS Gain at Horizontal

18.7 (12.72 dB)

Drawing #

30G270075**Calculated**

| Angle | Field |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| -10 | 0.108 | 10 | 0.051 | 30 | 0.043 | 50 | 0.030 | 70 | 0.007 |
| -9 | 0.015 | 11 | 0.052 | 31 | 0.005 | 51 | 0.018 | 71 | 0.019 |
| -8 | 0.012 | 12 | 0.052 | 32 | 0.006 | 52 | 0.017 | 72 | 0.027 |
| -7 | 0.096 | 13 | 0.011 | 33 | 0.032 | 53 | 0.031 | 73 | 0.030 |
| -6 | 0.141 | 14 | 0.015 | 34 | 0.046 | 54 | 0.048 | 74 | 0.027 |
| -5 | 0.017 | 15 | 0.024 | 35 | 0.016 | 55 | 0.054 | 75 | 0.020 |
| -4 | 0.037 | 16 | 0.054 | 36 | 0.015 | 56 | 0.042 | 76 | 0.010 |
| -3 | 0.124 | 17 | 0.008 | 37 | 0.011 | 57 | 0.018 | 77 | 0.001 |
| -2 | 0.162 | 18 | 0.038 | 38 | 0.013 | 58 | 0.003 | 78 | 0.011 |
| -1 | 0.255 | 19 | 0.003 | 39 | 0.018 | 59 | 0.007 | 79 | 0.019 |
| 0 | 0.832 | 20 | 0.070 | 40 | 0.003 | 60 | 0.004 | 80 | 0.024 |
| 1 | 0.981 | 21 | 0.061 | 41 | 0.004 | 61 | 0.024 | 81 | 0.027 |
| 2 | 0.635 | 22 | 0.007 | 42 | 0.014 | 62 | 0.041 | 82 | 0.027 |
| 3 | 0.247 | 23 | 0.010 | 43 | 0.040 | 63 | 0.046 | 83 | 0.026 |
| 4 | 0.108 | 24 | 0.064 | 44 | 0.046 | 64 | 0.037 | 84 | 0.023 |
| 5 | 0.108 | 25 | 0.069 | 45 | 0.032 | 65 | 0.020 | 85 | 0.019 |
| 6 | 0.100 | 26 | 0.015 | 46 | 0.017 | 66 | 0.003 | 86 | 0.014 |
| 7 | 0.096 | 27 | 0.011 | 47 | 0.018 | 67 | 0.008 | 87 | 0.010 |
| 8 | 0.107 | 28 | 0.030 | 48 | 0.030 | 68 | 0.010 | 88 | 0.005 |
| 9 | 0.086 | 29 | 0.068 | 49 | 0.037 | 69 | 0.004 | 89 | 0.002 |

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