

2.1053

Field strength of spurious emissions:

NAME OF TEST:

RADIATED SPURIOUS EMISSIONS

REQUIREMENTS:

Emissions must be  $50 + 10\log(P_o)$  dB below the mean power output of the transmitter.

LOW POWER:  $50 + 10\log(4.5) = 57$  dB

HIGH POWER:  $50 + 10\log(33) = 65$  dB

TEST DATA:

**LOW POWER**

| Emission<br>Frequency<br>MHz | ATTN<br>dBc | dBm | Margin<br>dB |
|------------------------------|-------------|-----|--------------|
| 460.00                       | 0.0         | +27 | 0.0          |
| 920.00                       | 74          | -47 | 17           |
| 1,380.00                     | **          |     | **           |
| 1,840.00                     | 73          | -73 | 16           |
| 2,300.00                     | 76          | -76 | 19           |
| 2,760.00                     | **          |     |              |
| 3,220.00                     | **          |     | **           |
| 3,680.00                     | 80          | -80 | 23           |
| 4,140.00                     | 72          | -72 | 15           |
| 4,600.00                     | 77          | -77 | 20           |

**HIGH POWER**

| Emission<br>Frequency<br>MHz | ATTN<br>dBc | dBm | Margin<br>dB |
|------------------------------|-------------|-----|--------------|
| 460.00                       | 0.0         | +35 | 0.0          |
| 920.00                       | **          |     |              |
| 1,380.00                     | **          |     |              |
| 1,840.00                     | **          |     |              |
| 2,300.00                     | **          |     |              |
| 2,760.00                     | **          |     |              |
| 3,220.00                     | **          |     |              |
| 3,680.00                     | 80          | -80 | 15           |
| 4,140.00                     | 82          | -82 | 17           |
| 4,600.00                     | **          |     |              |

APPLICANT: TACTICAL ELECTRONICS CORP

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