

SPURIOUS EMISSIONS LEVELS AT NOISE FLOOR FOR FCC 22 AND 24

Substitution method data for FCC 22 and 24, at noise floor levels

| Frequency (MHz) | Instrument reading (dBm) at noise floor levels | Polarization | (1) Generator output (dBm) | (2) Cable loss (dB) | (3) Substitution antenna gain G_i (respect to isotropic radiator) (dB) | E.I.R.P. (dBm) = (1) - (2) + (3) At noise floor levels | E.R.P. (dBm) = E.I.R.P. (dBm) -2.15 dB |
|-----------------|--|--------------|----------------------------|---------------------|--|--|--|
| 800 | -26.2 | Vertical | -33.4 | 0.3 | 7.8 | -25.9 | -28.05 |
| 975 | -22.1 | Vertical | -31.6 | 0.4 | 8.4 | -23.6 | -25.75 |
| 1500 | -39.8 | Vertical | -48.8 | 0.4 | 8.5 | -40.7 | -42.85 |
| 2800 | -31.2 | Vertical | -41.3 | 0.7 | 11.2 | -30.8 | -32.95 |
| 6000 | -39.3 | Vertical | -49.7 | 1.7 | 10.8 | -40.6 | -42.75 |
| 12000 | -27.4 | Vertical | -38.8 | 2.5 | 12.6 | -28.7 | -30.85 |
| 17900 | -37.4 | Vertical | -45.0 | 3.1 | 10.2 | -37.9 | -40.05 |
| 20000 | -40.1 | Vertical | -47.0 | 3.3 | 10.7 | -39.6 | -41.75 |