# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1 Test Result

| Test Band: 2 _ 1.4MHz Bandwidth | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Modulation | RB Allocation | | Conducted Power (dBm) | | | Antenna gain | | EIRP(dBm) | | | Limit (dBm) | Verdict |
| | Size | Offset | LCH | MCH | HCH | (dBd) | (dBi) | LCH | MCH | HCH | | |
| QPSK | 1 | 0 | 23.25 | 23.20 | 22.90 | / | 0.80 | 24.05 | 24 | 23.7 | 33.01 | PASS |
| | | 2 | 23.23 | 23.00 | 23.01 | / | 0.80 | 24.03 | 23.8 | 23.81 | 33.01 | PASS |
| | | 5 | 23.05 | 22.92 | 22.90 | / | 0.80 | 23.85 | 23.72 | 23.7 | 33.01 | PASS |
| | 3 | 0 | 23.08 | 23.05 | 22.99 | / | 0.80 | 23.88 | 23.85 | 23.79 | 33.01 | PASS |
| | | 2 | 23.20 | 23.07 | 23.01 | / | 0.80 | 24 | 23.87 | 23.81 | 33.01 | PASS |
| | | 3 | 23.06 | 23.04 | 23.01 | / | 0.80 | 23.86 | 23.84 | 23.81 | 33.01 | PASS |
| | 6 | 0 | 22.13 | 22.02 | 21.95 | / | 0.80 | 22.93 | 22.82 | 22.75 | 33.01 | PASS |
| 16QAM | 1 | 0 | 22.55 | 22.44 | 22.43 | / | 0.80 | 23.35 | 23.24 | 23.23 | 33.01 | PASS |
| | | 2 | 22.63 | 22.52 | 22.43 | / | 0.80 | 23.43 | 23.32 | 23.23 | 33.01 | PASS |
| | | 5 | 22.54 | 22.48 | 22.34 | / | 0.80 | 23.34 | 23.28 | 23.14 | 33.01 | PASS |
| | 3 | 0 | 22.43 | 22.71 | 22.38 | / | 0.80 | 23.23 | 23.51 | 23.18 | 33.01 | PASS |
| | | 2 | 22.48 | 22.75 | 22.33 | / | 0.80 | 23.28 | 23.55 | 23.13 | 33.01 | PASS |
| | | 3 | 22.43 | 22.71 | 22.21 | / | 0.80 | 23.23 | 23.51 | 23.01 | 33.01 | PASS |
| | 6 | 0 | 21.47 | 21.53 | 21.06 | / | 0.80 | 22.27 | 22.33 | 21.86 | 33.01 | PASS |
| Note:<br>1) dBd = dBi - 2.15<br>2) EIRP = Conducted output power + Antenna gain (dBi) | | | | | | | | | | | | |

| Test Band: 2 _ 3MHz Bandwidth | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Modulation | RB Allocation | | Conducted Power (dBm) | | | Antenna gain | | EIRP(dBm) | | | Limit (dBm) | Verdict |
| | Size | Offset | LCH | MCH | HCH | (dBd) | (dBi) | LCH | MCH | HCH | | |
| QPSK | 1 | 0 | 23.19 | 23.19 | 23.01 | / | 0.80 | 23.99 | 23.99 | 23.81 | 33.01 | PASS |
| | | 7 | 23.21 | 23.19 | 23.10 | / | 0.80 | 24.01 | 23.99 | 23.9 | 33.01 | PASS |
| | | 14 | 22.99 | 23.09 | 22.99 | / | 0.80 | 23.79 | 23.89 | 23.79 | 33.01 | PASS |
| | 8 | 0 | 22.33 | 22.18 | 21.99 | / | 0.80 | 23.13 | 22.98 | 22.79 | 33.01 | PASS |
| | | 4 | 22.47 | 22.17 | 22.03 | / | 0.80 | 23.27 | 22.97 | 22.83 | 33.01 | PASS |
| | | 7 | 22.48 | 22.21 | 21.97 | / | 0.80 | 23.28 | 23.01 | 22.77 | 33.01 | PASS |
| | 15 | 0 | 22.30 | 22.16 | 21.99 | / | 0.80 | 23.1 | 22.96 | 22.79 | 33.01 | PASS |
| 16QAM | 1 | 0 | 23.01 | 22.60 | 22.69 | / | 0.80 | 23.81 | 23.4 | 23.49 | 33.01 | PASS |
| | | 7 | 23.11 | 22.72 | 22.67 | / | 0.80 | 23.91 | 23.52 | 23.47 | 33.01 | PASS |
| | | 14 | 22.97 | 22.59 | 22.42 | / | 0.80 | 23.77 | 23.39 | 23.22 | 33.01 | PASS |
| | 8 | 0 | 21.63 | 21.59 | 21.31 | / | 0.80 | 22.43 | 22.39 | 22.11 | 33.01 | PASS |
| | | 4 | 21.65 | 21.64 | 21.34 | / | 0.80 | 22.45 | 22.44 | 22.14 | 33.01 | PASS |
| | | 7 | 21.62 | 21.60 | 21.12 | / | 0.80 | 22.42 | 22.4 | 21.92 | 33.01 | PASS |
| | 15 | 0 | 21.55 | 21.59 | 21.16 | / | 0.80 | 22.35 | 22.39 | 21.96 | 33.01 | PASS |
| Note:<br>1) dBd = dBi - 2.15<br>2) EIRP = Conducted output power + Antenna gain (dBi) | | | | | | | | | | | | |

| Test Band: 2 _ 5MHz Bandwidth | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Modulation | RB Allocation | | Conducted Power (dBm) | | | Antenna gain | | EIRP(dBm) | | | Limit (dBm) | Verdict |
| | Size | Offset | LCH | MCH | HCH | (dBd) | (dBi) | LCH | MCH | HCH | | |
| QPSK | 1 | 0 | 23.13 | 23.17 | 22.96 | / | 0.80 | 23.93 | 23.97 | 23.76 | 33.01 | PASS |
| | | 13 | 23.07 | 23.06 | 23.00 | / | 0.80 | 23.87 | 23.86 | 23.8 | 33.01 | PASS |
| | | 24 | 22.96 | 22.97 | 22.94 | / | 0.80 | 23.76 | 23.77 | 23.74 | 33.01 | PASS |
| | 12 | 0 | 22.20 | 22.15 | 22.04 | / | 0.80 | 23 | 22.95 | 22.84 | 33.01 | PASS |
| | | 6 | 22.38 | 22.17 | 22.05 | / | 0.80 | 23.18 | 22.97 | 22.85 | 33.01 | PASS |
| | | 13 | 22.42 | 22.03 | 21.99 | / | 0.80 | 23.22 | 22.83 | 22.79 | 33.01 | PASS |
| | 25 | 0 | 22.37 | 22.11 | 22.01 | / | 0.80 | 23.17 | 22.91 | 22.81 | 33.01 | PASS |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16QAM | 1 | | 22.29 | 22.60 | 22.66 | / | 0.80 | 23.09 | 23.4 | 23.46 | 33.01 | PASS |
| | | 13 | 22.37 | 22.68 | 22.68 | / | 0.80 | 23.17 | 23.48 | 23.48 | 33.01 | PASS |
| | | 24 | 22.28 | 22.56 | 22.21 | / | 0.80 | 23.08 | 23.36 | 23.01 | 33.01 | PASS |
| | 12 | 0 | 21.42 | 21.49 | 21.16 | / | 0.80 | 22.22 | 22.29 | 21.96 | 33.01 | PASS |
| | | 6 | 21.51 | 21.56 | 21.12 | / | 0.80 | 22.31 | 22.36 | 21.92 | 33.01 | PASS |
| | | 13 | 21.48 | 21.50 | 21.02 | / | 0.80 | 22.28 | 22.3 | 21.82 | 33.01 | PASS |
| | 25 | 0 | 21.52 | 21.54 | 21.04 | / | 0.80 | 22.32 | 22.34 | 21.84 | 33.01 | PASS |

Note:
1) dBd = dBi - 2.15
2) EIRP = Conducted output power + Antenna gain (dBi)

| Test Band: 2 _ 10MHz Bandwidth | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Modulation | RB Allocation | | Conducted Power (dBm) | | | Antenna gain | | EIRP(dBm) | | | Limit (dBm) | Verdict |
| | Size | Offset | LCH | MCH | HCH | (dBd) | (dBi) | LCH | MCH | HCH | | |
| QPSK | 1 | 0 | 23.06 | 23.16 | 23.01 | / | 0.80 | 23.86 | 23.96 | 23.81 | 33.01 | PASS |
| | | 25 | 23.20 | 23.24 | 23.13 | / | 0.80 | 24 | 24.04 | 23.93 | 33.01 | PASS |
| | | 49 | 22.96 | 23.08 | 22.97 | / | 0.80 | 23.76 | 23.88 | 23.77 | 33.01 | PASS |
| | 25 | 0 | 22.21 | 22.13 | 22.11 | / | 0.80 | 23.01 | 22.93 | 22.91 | 33.01 | PASS |
| | | 13 | 22.32 | 22.15 | 22.06 | / | 0.80 | 23.12 | 22.95 | 22.86 | 33.01 | PASS |
| | | 25 | 22.36 | 22.19 | 22.03 | / | 0.80 | 23.16 | 22.99 | 22.83 | 33.01 | PASS |
| | 50 | 0 | 22.28 | 22.13 | 22.07 | / | 0.80 | 23.08 | 22.93 | 22.87 | 33.01 | PASS |
| 16QAM | 1 | | 23.03 | 22.59 | 22.61 | / | 0.80 | 23.83 | 23.39 | 23.41 | 33.01 | PASS |
| | | 25 | 23.14 | 22.78 | 22.62 | / | 0.80 | 23.94 | 23.58 | 23.42 | 33.01 | PASS |
| | | 49 | 23.02 | 22.57 | 22.39 | / | 0.80 | 23.82 | 23.37 | 23.19 | 33.01 | PASS |
| | 25 | 0 | 21.61 | 21.69 | 21.15 | / | 0.80 | 22.41 | 22.49 | 21.95 | 33.01 | PASS |
| | | 13 | 21.62 | 21.66 | 21.14 | / | 0.80 | 22.42 | 22.46 | 21.94 | 33.01 | PASS |
| | | 25 | 21.62 | 21.69 | 21.07 | / | 0.80 | 22.42 | 22.49 | 21.87 | 33.01 | PASS |
| | 50 | 0 | 21.58 | 21.61 | 21.13 | / | 0.80 | 22.38 | 22.41 | 21.93 | 33.01 | PASS |

Note:
1) dBd = dBi - 2.15
2) EIRP = Conducted output power + Antenna gain (dBi)

| Test Band: 2 _ 15MHz Bandwidth | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Modulation | RB Allocation | | Conducted Power (dBm) | | | Antenna gain | | EIRP(dBm) | | | Limit (dBm) | Verdict |
| | Size | Offset | LCH | MCH | HCH | (dBd) | (dBi) | LCH | MCH | HCH | | |
| QPSK | 1 | 0 | 23.02 | 23.08 | 23.01 | / | 0.80 | 23.82 | 23.88 | 23.81 | 33.01 | PASS |
| | | 38 | 23.04 | 23.12 | 23.04 | / | 0.80 | 23.84 | 23.92 | 23.84 | 33.01 | PASS |
| | | 74 | 22.90 | 22.90 | 22.88 | / | 0.80 | 23.7 | 23.7 | 23.68 | 33.01 | PASS |
| | 36 | 0 | 22.29 | 22.19 | 22.07 | / | 0.80 | 23.09 | 22.99 | 22.87 | 33.01 | PASS |
| | | 18 | 22.36 | 22.15 | 22.11 | / | 0.80 | 23.16 | 22.95 | 22.91 | 33.01 | PASS |
| | | 39 | 22.37 | 22.16 | 22.09 | / | 0.80 | 23.17 | 22.96 | 22.89 | 33.01 | PASS |
| | 75 | 0 | 22.41 | 22.18 | 22.11 | / | 0.80 | 23.21 | 22.98 | 22.91 | 33.01 | PASS |
| 16QAM | 1 | | 23.00 | 22.92 | 22.59 | / | 0.80 | 23.8 | 23.72 | 23.39 | 33.01 | PASS |
| | | 38 | 23.07 | 22.97 | 22.37 | / | 0.80 | 23.87 | 23.77 | 23.17 | 33.01 | PASS |
| | | 74 | 22.95 | 22.71 | 22.12 | / | 0.80 | 23.75 | 23.51 | 22.92 | 33.01 | PASS |
| | 36 | 0 | 21.61 | 21.57 | 21.31 | / | 0.80 | 22.41 | 22.37 | 22.11 | 33.01 | PASS |
| | | 18 | 21.59 | 21.60 | 21.25 | / | 0.80 | 22.39 | 22.4 | 22.05 | 33.01 | PASS |
| | | 39 | 21.56 | 21.56 | 21.11 | / | 0.80 | 22.36 | 22.36 | 21.91 | 33.01 | PASS |
| | 75 | 0 | 21.60 | 21.59 | 21.13 | / | 0.80 | 22.4 | 22.39 | 21.93 | 33.01 | PASS |

Note:
1) dBd = dBi - 2.15
2) EIRP = Conducted output power + Antenna gain (dBi)

| Test Band: 2 _ 20MHz Bandwidth | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Modulation | RB Allocation | | Conducted Power (dBm) | | | Antenna gain | | EIRP(dBm) | | | Limit (dBm) | Verdict |
| | Size | Offset | LCH | MCH | HCH | (dBd) | (dBi) | LCH | MCH | HCH | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| QPSK | 1 | 0 | 22.78 | 22.89 | 22.86 | / | 0.80 | 23.58 | 23.69 | 23.66 | 33.01 | PASS |
| | | 50 | 23.15 | 23.24 | 23.18 | / | 0.80 | 23.95 | 24.04 | 23.98 | 33.01 | PASS |
| | | 99 | 22.75 | 22.78 | 22.72 | / | 0.80 | 23.55 | 23.58 | 23.52 | 33.01 | PASS |
| | 50 | 0 | 22.09 | 22.12 | 22.05 | / | 0.80 | 22.89 | 22.92 | 22.85 | 33.01 | PASS |
| | | 25 | 22.16 | 22.07 | 22.07 | / | 0.80 | 22.96 | 22.87 | 22.87 | 33.01 | PASS |
| | | 50 | 22.06 | 22.04 | 21.99 | / | 0.80 | 22.86 | 22.84 | 22.79 | 33.01 | PASS |
| | 100 | 0 | 22.10 | 22.08 | 22.06 | / | 0.80 | 22.9 | 22.88 | 22.86 | 33.01 | PASS |
| 16QAM | 1 | | 22.84 | 22.57 | 22.41 | / | 0.80 | 23.64 | 23.37 | 23.21 | 33.01 | PASS |
| | | 50 | 23.20 | 22.90 | 22.49 | / | 0.80 | 24 | 23.7 | 23.29 | 33.01 | PASS |
| | | 99 | 22.83 | 22.27 | 22.03 | / | 0.80 | 23.63 | 23.07 | 22.83 | 33.01 | PASS |
| | 50 | 0 | 21.58 | 21.46 | 21.14 | / | 0.80 | 22.38 | 22.26 | 21.94 | 33.01 | PASS |
| | | 25 | 21.59 | 21.53 | 21.14 | / | 0.80 | 22.39 | 22.33 | 21.94 | 33.01 | PASS |
| | | 50 | 21.49 | 21.46 | 21.01 | / | 0.80 | 22.29 | 22.26 | 21.81 | 33.01 | PASS |
| | 100 | 0 | 21.58 | 21.42 | 21.09 | / | 0.80 | 22.38 | 22.22 | 21.89 | 33.01 | PASS |

Note:
1) dBd = dBi - 2.15
2) EIRP = Conducted output power + Antenna gain (dBi)

# 2. Effective (Isotropic) Radiated Power Output Data

## 2.1 Test Result

| Test Band: 4 _ 1.4MHz Bandwidth | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Modulation | RB Allocation | | Conducted Power (dBm) | | | Antenna gain | | EIRP(dBm) | | | Limit (dBm) | Verdict |
| | Size | Offset | LCH | MCH | HCH | (dBd) | (dBi) | LCH | MCH | HCH | | |
| QPSK | 1 | 0 | 23.42 | 23.50 | 23.61 | / | 0.80 | 24.22 | 24.3 | 24.41 | 30.00 | PASS |
| | | 2 | 23.54 | 23.64 | 23.68 | / | 0.80 | 24.34 | 24.44 | 24.48 | 30.00 | PASS |
| | | 5 | 23.43 | 23.49 | 23.60 | / | 0.80 | 24.23 | 24.29 | 24.4 | 30.00 | PASS |
| | 3 | 0 | 23.50 | 23.63 | 23.64 | / | 0.80 | 24.3 | 24.43 | 24.44 | 30.00 | PASS |
| | | 2 | 23.54 | 23.65 | 23.71 | / | 0.80 | 24.34 | 24.45 | 24.51 | 30.00 | PASS |
| | | 3 | 23.51 | 23.63 | 23.68 | / | 0.80 | 24.31 | 24.43 | 24.48 | 30.00 | PASS |
| | 6 | 0 | 22.46 | 22.59 | 22.65 | / | 0.80 | 23.26 | 23.39 | 23.45 | 30.00 | PASS |
| 16QAM | 1 | | 22.57 | 22.52 | 22.54 | / | 0.80 | 23.37 | 23.32 | 23.34 | 30.00 | PASS |
| | | 2 | 22.68 | 22.61 | 22.63 | / | 0.80 | 23.48 | 23.41 | 23.43 | 30.00 | PASS |
| | | 5 | 22.53 | 22.52 | 22.55 | / | 0.80 | 23.33 | 23.32 | 23.35 | 30.00 | PASS |
| | 3 | 0 | 22.46 | 22.78 | 22.82 | / | 0.80 | 23.26 | 23.58 | 23.62 | 30.00 | PASS |
| | | 2 | 22.51 | 22.84 | 22.83 | / | 0.80 | 23.31 | 23.64 | 23.63 | 30.00 | PASS |
| | | 3 | 22.49 | 22.79 | 22.84 | / | 0.80 | 23.29 | 23.59 | 23.64 | 30.00 | PASS |
| | 6 | 0 | 21.51 | 21.60 | 21.63 | / | 0.80 | 22.31 | 22.4 | 22.43 | 30.00 | PASS |

Note:
1) dBd = dBi - 2.15
2) EIRP = Conducted output power + Antenna gain (dBi)

| Test Band: 4 _ 3MHz Bandwidth | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Modulation | RB Allocation | | Conducted Power (dBm) | | | Antenna gain | | EIRP(dBm) | | | Limit (dBm) | Verdict |
| | Size | Offset | LCH | MCH | HCH | (dBd) | (dBi) | LCH | MCH | HCH | | |
| QPSK | 1 | 0 | 23.50 | 23.69 | 23.68 | / | 0.80 | 24.3 | 24.49 | 24.48 | 30.00 | PASS |
| | | 7 | 23.64 | 23.80 | 23.79 | / | 0.80 | 24.44 | 24.6 | 24.59 | 30.00 | PASS |
| | | 14 | 23.45 | 23.62 | 23.63 | / | 0.80 | 24.25 | 24.42 | 24.43 | 30.00 | PASS |
| | 8 | 0 | 22.50 | 22.66 | 22.70 | / | 0.80 | 23.3 | 23.46 | 23.5 | 30.00 | PASS |
| | | 4 | 22.54 | 22.65 | 22.71 | / | 0.80 | 23.34 | 23.45 | 23.51 | 30.00 | PASS |
| | | 7 | 22.50 | 22.64 | 22.66 | / | 0.80 | 23.3 | 23.44 | 23.46 | 30.00 | PASS |
| | 15 | 0 | 22.49 | 22.61 | 22.67 | / | 0.80 | 23.29 | 23.41 | 23.47 | 30.00 | PASS |
| 16QAM | 1 | | 23.08 | 22.70 | 22.80 | / | 0.80 | 23.88 | 23.5 | 23.6 | 30.00 | PASS |
| | | 7 | 23.18 | 22.81 | 22.94 | / | 0.80 | 23.98 | 23.61 | 23.74 | 30.00 | PASS |
| | | 14 | 22.99 | 22.61 | 22.78 | / | 0.80 | 23.79 | 23.41 | 23.58 | 30.00 | PASS |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 8 | 0 | 21.65 | 21.67 | 21.66 | / | 0.80 | 22.45 | 22.47 | 22.46 | 30.00 | PASS |
| | | 4 | 21.70 | 21.72 | 21.63 | / | 0.80 | 22.5 | 22.52 | 22.43 | 30.00 | PASS |
| | | 7 | 21.67 | 21.67 | 21.61 | / | 0.80 | 22.47 | 22.47 | 22.41 | 30.00 | PASS |
| | 15 | 0 | 21.58 | 21.63 | 21.61 | / | 0.80 | 22.38 | 22.43 | 22.41 | 30.00 | PASS |
| Note:<br>1) dBd = dBi - 2.15<br>2) EIRP = Conducted output power + Antenna gain (dBi) | | | | | | | | | | | | |

| Test Band: 4 _ 5MHz Bandwidth | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Modulation | RB Allocation | | Conducted Power (dBm) | | | Antenna gain | | EIRP(dBm) | | | Limit | Verdict |
| | Size | Offset | LCH | MCH | HCH | (dBd) | (dBi) | LCH | MCH | HCH | (dBm) | |
| QPSK | 1 | 0 | 23.41 | 23.53 | 23.56 | / | 0.80 | 24.21 | 24.33 | 24.36 | 30.00 | PASS |
| | | 13 | 23.55 | 23.68 | 23.69 | / | 0.80 | 24.35 | 24.48 | 24.49 | 30.00 | PASS |
| | | 24 | 23.42 | 23.51 | 23.57 | / | 0.80 | 24.22 | 24.31 | 24.37 | 30.00 | PASS |
| | 12 | 0 | 22.49 | 22.58 | 22.66 | / | 0.80 | 23.29 | 23.38 | 23.46 | 30.00 | PASS |
| | | 6 | 22.55 | 22.67 | 22.70 | / | 0.80 | 23.35 | 23.47 | 23.5 | 30.00 | PASS |
| | | 13 | 22.47 | 22.55 | 22.63 | / | 0.80 | 23.27 | 23.35 | 23.43 | 30.00 | PASS |
| | 25 | 0 | 22.47 | 22.57 | 22.67 | / | 0.80 | 23.27 | 23.37 | 23.47 | 30.00 | PASS |
| 16QAM | 1 | | 22.27 | 22.62 | 22.80 | / | 0.80 | 23.07 | 23.42 | 23.6 | 30.00 | PASS |
| | | 13 | 22.41 | 22.75 | 22.95 | / | 0.80 | 23.21 | 23.55 | 23.75 | 30.00 | PASS |
| | | 24 | 22.24 | 22.60 | 22.77 | / | 0.80 | 23.04 | 23.4 | 23.57 | 30.00 | PASS |
| | 12 | 0 | 21.44 | 21.50 | 21.66 | / | 0.80 | 22.24 | 22.3 | 22.46 | 30.00 | PASS |
| | | 6 | 21.53 | 21.62 | 21.73 | / | 0.80 | 22.33 | 22.42 | 22.53 | 30.00 | PASS |
| | | 13 | 21.43 | 21.53 | 21.66 | / | 0.80 | 22.23 | 22.33 | 22.46 | 30.00 | PASS |
| | 25 | 0 | 21.47 | 21.55 | 21.65 | / | 0.80 | 22.27 | 22.35 | 22.45 | 30.00 | PASS |
| Note:<br>1) dBd = dBi - 2.15<br>2) EIRP = Conducted output power + Antenna gain (dBi) | | | | | | | | | | | | |

| Test Band: 4 _ 10MHz Bandwidth | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Modulation | RB Allocation | | Conducted Power (dBm) | | | Antenna gain | | EIRP(dBm) | | | Limit | Verdict |
| | Size | Offset | LCH | MCH | HCH | (dBd) | (dBi) | LCH | MCH | HCH | (dBm) | |
| QPSK | 1 | 0 | 23.47 | 23.61 | 23.62 | / | 0.80 | 24.27 | 24.41 | 24.42 | 30.00 | PASS |
| | | 25 | 23.66 | 23.73 | 23.80 | / | 0.80 | 24.46 | 24.53 | 24.6 | 30.00 | PASS |
| | | 49 | 23.50 | 23.57 | 23.64 | / | 0.80 | 24.3 | 24.37 | 24.44 | 30.00 | PASS |
| | 25 | 0 | 22.50 | 22.65 | 22.68 | / | 0.80 | 23.3 | 23.45 | 23.48 | 30.00 | PASS |
| | | 13 | 22.51 | 22.58 | 22.66 | / | 0.80 | 23.31 | 23.38 | 23.46 | 30.00 | PASS |
| | | 25 | 22.55 | 22.56 | 22.60 | / | 0.80 | 23.35 | 23.36 | 23.4 | 30.00 | PASS |
| | 50 | 0 | 22.53 | 22.57 | 22.61 | / | 0.80 | 23.33 | 23.37 | 23.41 | 30.00 | PASS |
| 16QAM | 1 | | 22.64 | 23.13 | 22.60 | / | 0.80 | 23.44 | 23.93 | 23.4 | 30.00 | PASS |
| | | 25 | 22.82 | 23.27 | 22.77 | / | 0.80 | 23.62 | 24.07 | 23.57 | 30.00 | PASS |
| | | 49 | 22.70 | 23.07 | 22.57 | / | 0.80 | 23.5 | 23.87 | 23.37 | 30.00 | PASS |
| | 25 | 0 | 21.52 | 21.63 | 21.77 | / | 0.80 | 22.32 | 22.43 | 22.57 | 30.00 | PASS |
| | | 13 | 21.54 | 21.65 | 21.72 | / | 0.80 | 22.34 | 22.45 | 22.52 | 30.00 | PASS |
| | | 25 | 21.53 | 21.63 | 21.68 | / | 0.80 | 22.33 | 22.43 | 22.48 | 30.00 | PASS |
| | 50 | 0 | 21.50 | 21.57 | 21.65 | / | 0.80 | 22.3 | 22.37 | 22.45 | 30.00 | PASS |
| Note:<br>1) dBd = dBi - 2.15<br>2) EIRP = Conducted output power + Antenna gain (dBi) | | | | | | | | | | | | |

| Test Band: 4 _ 15MHz Bandwidth | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Modulation | RB Allocation | | Conducted Power (dBm) | | | Antenna gain | | EIRP(dBm) | | | Limit | Verdict |
| | Size | Offset | LCH | MCH | HCH | (dBd) | (dBi) | LCH | MCH | HCH | (dBm) | |
| QPSK | 1 | 0 | 23.45 | 23.51 | 23.52 | / | 0.80 | 24.25 | 24.31 | 24.32 | 30.00 | PASS |
| | | 38 | 23.59 | 23.62 | 23.68 | / | 0.80 | 24.39 | 24.42 | 24.48 | 30.00 | PASS |
| | | 74 | 23.45 | 23.44 | 23.48 | / | 0.80 | 24.25 | 24.24 | 24.28 | 30.00 | PASS |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 36 | 0 | 22.54 | 22.65 | 22.72 | / | 0.80 | 23.34 | 23.45 | 23.52 | 30.00 | PASS |
| | | 18 | 22.60 | 22.68 | 22.74 | / | 0.80 | 23.4 | 23.48 | 23.54 | 30.00 | PASS |
| | | 39 | 22.59 | 22.65 | 22.69 | / | 0.80 | 23.39 | 23.45 | 23.49 | 30.00 | PASS |
| | 75 | 0 | 22.60 | 22.67 | 22.72 | / | 0.80 | 23.4 | 23.47 | 23.52 | 30.00 | PASS |
| 16QAM | 1 | | 22.81 | 22.69 | 23.04 | / | 0.80 | 23.61 | 23.49 | 23.84 | 30.00 | PASS |
| | | 38 | 22.93 | 22.79 | 23.19 | / | 0.80 | 23.73 | 23.59 | 23.99 | 30.00 | PASS |
| | | 74 | 22.77 | 22.57 | 23.00 | / | 0.80 | 23.57 | 23.37 | 23.8 | 30.00 | PASS |
| | 36 | 0 | 21.55 | 21.61 | 21.65 | / | 0.80 | 22.35 | 22.41 | 22.45 | 30.00 | PASS |
| | | 18 | 21.54 | 21.63 | 21.68 | / | 0.80 | 22.34 | 22.43 | 22.48 | 30.00 | PASS |
| | | 39 | 21.57 | 21.61 | 21.66 | / | 0.80 | 22.37 | 22.41 | 22.46 | 30.00 | PASS |
| | 75 | 0 | 21.53 | 21.62 | 21.66 | / | 0.80 | 22.33 | 22.42 | 22.46 | 30.00 | PASS |

Note:
1) dBd = dBi - 2.15
2) EIRP = Conducted output power + Antenna gain (dBi)

| Test Band: 4 _ 20MHz Bandwidth | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Modulation | RB Allocation | | Conducted Power (dBm) | | | Antenna gain | | EIRP(dBm) | | | Limit (dBm) | Verdict |
| | Size | Offset | LCH | MCH | HCH | (dBd) | (dBi) | LCH | MCH | HCH | | |
| QPSK | 1 | 0 | 23.23 | 23.33 | 23.36 | / | 0.80 | 24.03 | 24.13 | 24.16 | 30.00 | PASS |
| | | 50 | 23.73 | 23.80 | 23.74 | / | 0.80 | 24.53 | 24.6 | 24.54 | 30.00 | PASS |
| | | 99 | 23.25 | 23.30 | 23.32 | / | 0.80 | 24.05 | 24.1 | 24.12 | 30.00 | PASS |
| | 50 | 0 | 22.56 | 22.62 | 22.68 | / | 0.80 | 23.36 | 23.42 | 23.48 | 30.00 | PASS |
| | | 25 | 22.54 | 22.65 | 22.66 | / | 0.80 | 23.34 | 23.45 | 23.46 | 30.00 | PASS |
| | | 50 | 22.54 | 22.58 | 22.57 | / | 0.80 | 23.34 | 23.38 | 23.37 | 30.00 | PASS |
| | 100 | 0 | 22.58 | 22.61 | 22.61 | / | 0.80 | 23.38 | 23.41 | 23.41 | 30.00 | PASS |
| 16QAM | 1 | | 22.82 | 22.52 | 22.62 | / | 0.80 | 23.62 | 23.32 | 23.42 | 30.00 | PASS |
| | | 50 | 23.28 | 22.94 | 23.00 | / | 0.80 | 24.08 | 23.74 | 23.8 | 30.00 | PASS |
| | | 99 | 22.85 | 22.43 | 22.54 | / | 0.80 | 23.65 | 23.23 | 23.34 | 30.00 | PASS |
| | 50 | 0 | 21.56 | 21.62 | 21.62 | / | 0.80 | 22.36 | 22.42 | 22.42 | 30.00 | PASS |
| | | 25 | 21.60 | 21.59 | 21.63 | / | 0.80 | 22.4 | 22.39 | 22.43 | 30.00 | PASS |
| | | 50 | 21.55 | 21.60 | 21.54 | / | 0.80 | 22.35 | 22.4 | 22.34 | 30.00 | PASS |
| | 100 | 0 | 21.58 | 21.61 | 21.60 | / | 0.80 | 22.38 | 22.41 | 22.4 | 30.00 | PASS |

Note:
1) dBd = dBi - 2.15
2) EIRP = Conducted output power + Antenna gain (dBi)

# 3. Effective (Isotropic) Radiated Power Output Data

## 3.1 Test Result

| Test Band: 5 _ 1.4MHz Bandwidth | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Modulation | RB Allocation | | Conducted Power (dBm) | | | Antenna gain | | ERP(dBm) | | | Limit (dBm) | Verdict |
| | Size | Offset | LCH | MCH | HCH | (dBd) | (dBi) | LCH | MCH | HCH | | |
| QPSK | 1 | 0 | 23.82 | 23.95 | 24.00 | -1.65 | 0.50 | 22.17 | 22.30 | 22.35 | 40.61 | PASS |
| | | 2 | 23.94 | 24.05 | 24.09 | -1.65 | 0.50 | 22.29 | 22.40 | 22.44 | 40.61 | PASS |
| | | 5 | 23.87 | 23.97 | 24.02 | -1.65 | 0.50 | 22.22 | 22.32 | 22.37 | 40.61 | PASS |
| | 3 | 0 | 23.87 | 24.05 | 24.11 | -1.65 | 0.50 | 22.22 | 22.40 | 22.46 | 40.61 | PASS |
| | | 2 | 23.93 | 24.09 | 24.15 | -1.65 | 0.50 | 22.28 | 22.44 | 22.50 | 40.61 | PASS |
| | | 3 | 23.92 | 24.08 | 24.13 | -1.65 | 0.50 | 22.27 | 22.43 | 22.48 | 40.61 | PASS |
| | 6 | 0 | 22.90 | 23.07 | 23.10 | -1.65 | 0.50 | 21.25 | 21.42 | 21.45 | 40.61 | PASS |
| 16QAM | 1 | | 22.95 | 22.90 | 22.96 | -1.65 | 0.50 | 21.30 | 21.25 | 21.31 | 40.61 | PASS |
| | | 2 | 23.06 | 23.00 | 23.06 | -1.65 | 0.50 | 21.41 | 21.35 | 21.41 | 40.61 | PASS |
| | | 5 | 23.00 | 22.95 | 22.99 | -1.65 | 0.50 | 21.35 | 21.30 | 21.34 | 40.61 | PASS |
| | 3 | 0 | 22.86 | 23.15 | 23.22 | -1.65 | 0.50 | 21.21 | 21.50 | 21.57 | 40.61 | PASS |
| | | 2 | 22.91 | 23.21 | 23.29 | -1.65 | 0.50 | 21.26 | 21.56 | 21.64 | 40.61 | PASS |
| | | 3 | 22.89 | 23.17 | 23.24 | -1.65 | 0.50 | 21.24 | 21.52 | 21.59 | 40.61 | PASS |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6 | 0 | 21.96 | 22.08 | 22.11 | -1.65 | 0.50 | 20.31 | 20.43 | 20.46 | 40.61 | PASS |

Note:
1) dBd = dBi - 2.15
2) EIRP = Conducted output power + Antenna gain (dBi)
3) ERP = Conducted output power + Antenna gain (dBd)

| Test Band: 5 _ 3MHz Bandwidth | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Modulation | RB Allocation | | Conducted Power (dBm) | | | Antenna gain | | ERP(dBm) | | | Limit (dBm) | Verdict |
| | Size | Offset | LCH | MCH | HCH | (dBd) | (dBi) | LCH | MCH | HCH | | |
| QPSK | 1 | 0 | 23.93 | 24.02 | 24.10 | -1.65 | 0.50 | 22.28 | 22.37 | 22.45 | 40.61 | PASS |
| | | 7 | 24.06 | 24.17 | 24.21 | -1.65 | 0.50 | 22.41 | 22.52 | 22.56 | 40.61 | PASS |
| | | 14 | 23.94 | 24.03 | 24.05 | -1.65 | 0.50 | 22.29 | 22.38 | 22.40 | 40.61 | PASS |
| | 8 | 0 | 22.92 | 23.10 | 23.11 | -1.65 | 0.50 | 21.27 | 21.45 | 21.46 | 40.61 | PASS |
| | | 4 | 22.96 | 23.08 | 23.14 | -1.65 | 0.50 | 21.31 | 21.43 | 21.49 | 40.61 | PASS |
| | | 7 | 22.93 | 23.03 | 23.06 | -1.65 | 0.50 | 21.28 | 21.38 | 21.41 | 40.61 | PASS |
| | 15 | 0 | 22.91 | 23.04 | 23.06 | -1.65 | 0.50 | 21.26 | 21.39 | 21.41 | 40.61 | PASS |
| 16QAM | 1 | 0 | 22.91 | 23.16 | 23.55 | -1.65 | 0.50 | 21.26 | 21.51 | 21.90 | 40.61 | PASS |
| | | 7 | 23.10 | 23.31 | 23.68 | -1.65 | 0.50 | 21.45 | 21.66 | 22.03 | 40.61 | PASS |
| | | 14 | 22.92 | 23.20 | 23.52 | -1.65 | 0.50 | 21.27 | 21.55 | 21.87 | 40.61 | PASS |
| | 8 | 0 | 22.01 | 22.08 | 22.27 | -1.65 | 0.50 | 20.36 | 20.43 | 20.62 | 40.61 | PASS |
| | | 4 | 22.06 | 22.09 | 22.32 | -1.65 | 0.50 | 20.41 | 20.44 | 20.67 | 40.61 | PASS |
| | | 7 | 22.02 | 22.03 | 22.25 | -1.65 | 0.50 | 20.37 | 20.38 | 20.60 | 40.61 | PASS |
| | 15 | 0 | 21.98 | 22.02 | 22.18 | -1.65 | 0.50 | 20.33 | 20.37 | 20.53 | 40.61 | PASS |

Note:
1) dBd = dBi - 2.15
2) EIRP = Conducted output power + Antenna gain (dBi)
3) ERP = Conducted output power + Antenna gain (dBd)

| Test Band: 5 _ 5MHz Bandwidth | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Modulation | RB Allocation | | Conducted Power (dBm) | | | Antenna gain | | ERP(dBm) | | | Limit (dBm) | Verdict |
| | Size | Offset | LCH | MCH | HCH | (dBd) | (dBi) | LCH | MCH | HCH | | |
| QPSK | 1 | 0 | 23.80 | 23.91 | 23.99 | -1.65 | 0.50 | 22.15 | 22.26 | 22.34 | 40.61 | PASS |
| | | 13 | 23.96 | 24.06 | 24.15 | -1.65 | 0.50 | 22.31 | 22.41 | 22.50 | 40.61 | PASS |
| | | 24 | 23.84 | 23.99 | 23.99 | -1.65 | 0.50 | 22.19 | 22.34 | 22.34 | 40.61 | PASS |
| | 12 | 0 | 22.84 | 23.10 | 23.06 | -1.65 | 0.50 | 21.19 | 21.45 | 21.41 | 40.61 | PASS |
| | | 6 | 22.97 | 23.11 | 23.11 | -1.65 | 0.50 | 21.32 | 21.46 | 21.46 | 40.61 | PASS |
| | | 13 | 23.02 | 23.00 | 22.92 | -1.65 | 0.50 | 21.37 | 21.35 | 21.27 | 40.61 | PASS |
| | 25 | 0 | 22.92 | 23.04 | 23.00 | -1.65 | 0.50 | 21.27 | 21.39 | 21.35 | 40.61 | PASS |
| 16QAM | 1 | 0 | 23.00 | 22.75 | 23.09 | -1.65 | 0.50 | 21.35 | 21.10 | 21.44 | 40.61 | PASS |
| | | 13 | 23.21 | 22.94 | 23.18 | -1.65 | 0.50 | 21.56 | 21.29 | 21.53 | 40.61 | PASS |
| | | 24 | 23.04 | 22.84 | 23.06 | -1.65 | 0.50 | 21.39 | 21.19 | 21.41 | 40.61 | PASS |
| | 12 | 0 | 21.91 | 22.08 | 22.05 | -1.65 | 0.50 | 20.26 | 20.43 | 20.40 | 40.61 | PASS |
| | | 6 | 22.01 | 22.12 | 22.13 | -1.65 | 0.50 | 20.36 | 20.47 | 20.48 | 40.61 | PASS |
| | | 13 | 22.06 | 22.01 | 21.95 | -1.65 | 0.50 | 20.41 | 20.36 | 20.30 | 40.61 | PASS |
| | 25 | 0 | 21.96 | 22.09 | 22.08 | -1.65 | 0.50 | 20.31 | 20.44 | 20.43 | 40.61 | PASS |

Note:
1) dBd = dBi - 2.15
2) EIRP = Conducted output power + Antenna gain (dBi)
3) ERP = Conducted output power + Antenna gain (dBd)

| Test Band: 5 _ 10MHz Bandwidth | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Modulation | RB Allocation | | Conducted Power (dBm) | | | Antenna gain | | ERP(dBm) | | | Limit (dBm) | Verdict |
| | Size | Offset | LCH | MCH | HCH | (dBd) | (dBi) | LCH | MCH | HCH | | |
| QPSK | 1 | 0 | 23.88 | 24.05 | 24.10 | -1.65 | 0.50 | 22.23 | 22.40 | 22.45 | 40.61 | PASS |
| | | 25 | 24.13 | 24.22 | 24.19 | -1.65 | 0.50 | 22.48 | 22.57 | 22.54 | 40.61 | PASS |
| | | 49 | 23.96 | 24.04 | 24.05 | -1.65 | 0.50 | 22.31 | 22.39 | 22.40 | 40.61 | PASS |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 25 | 0 | 22.84 | 23.23 | 23.04 | -1.65 | 0.50 | 21.19 | 21.58 | 21.39 | 40.61 | PASS |
| | | 13 | 23.01 | 23.04 | 23.11 | -1.65 | 0.50 | 21.36 | 21.39 | 21.46 | 40.61 | PASS |
| | | 25 | 22.92 | 23.04 | 22.98 | -1.65 | 0.50 | 21.27 | 21.39 | 21.33 | 40.61 | PASS |
| | 50 | 0 | 22.92 | 23.14 | 23.00 | -1.65 | 0.50 | 21.27 | 21.49 | 21.35 | 40.61 | PASS |
| 16QAM | 1 | | 23.37 | 23.00 | 23.24 | -1.65 | 0.50 | 21.72 | 21.35 | 21.59 | 40.61 | PASS |
| | | 25 | 23.59 | 23.22 | 23.36 | -1.65 | 0.50 | 21.94 | 21.57 | 21.71 | 40.61 | PASS |
| | | 49 | 23.37 | 23.06 | 23.19 | -1.65 | 0.50 | 21.72 | 21.41 | 21.54 | 40.61 | PASS |
| | 25 | 0 | 21.92 | 22.33 | 22.15 | -1.65 | 0.50 | 20.27 | 20.68 | 20.50 | 40.61 | PASS |
| | | 13 | 22.07 | 22.16 | 22.14 | -1.65 | 0.50 | 20.42 | 20.51 | 20.49 | 40.61 | PASS |
| | | 25 | 21.98 | 22.16 | 22.02 | -1.65 | 0.50 | 20.33 | 20.51 | 20.37 | 40.61 | PASS |
| | 50 | 0 | 21.91 | 22.19 | 22.04 | -1.65 | 0.50 | 20.26 | 20.54 | 20.39 | 40.61 | PASS |

Note:
1) dBd = dBi - 2.15
2) EIRP = Conducted output power + Antenna gain (dBi)
3) ERP = Conducted output power + Antenna gain (dBd)

# 4. Effective (Isotropic) Radiated Power Output Data

## 4.1 Test Result

| Test Band: 12 _ 1.4MHz Bandwidth | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Modulation | RB Allocation | | Conducted Power (dBm) | | | Antenna gain | | ERP(dBm) | | | Limit (dBm) | Verdict |
| | Size | Offset | LCH | MCH | HCH | (dBd) | (dBi) | LCH | MCH | HCH | | |
| QPSK | 1 | 0 | 23.23 | 23.14 | 23.08 | -1.65 | 0.50 | 21.58 | 21.49 | 21.43 | 34.77 | PASS |
| | | 2 | 23.35 | 23.25 | 23.28 | -1.65 | 0.50 | 21.70 | 21.60 | 21.63 | 34.77 | PASS |
| | | 5 | 23.23 | 23.15 | 23.12 | -1.65 | 0.50 | 21.58 | 21.50 | 21.47 | 34.77 | PASS |
| | 3 | 0 | 23.34 | 23.26 | 23.19 | -1.65 | 0.50 | 21.69 | 21.61 | 21.54 | 34.77 | PASS |
| | | 2 | 23.37 | 23.28 | 23.24 | -1.65 | 0.50 | 21.72 | 21.63 | 21.59 | 34.77 | PASS |
| | | 3 | 23.32 | 23.25 | 23.20 | -1.65 | 0.50 | 21.67 | 21.60 | 21.55 | 34.77 | PASS |
| | 6 | 0 | 22.38 | 22.27 | 22.24 | -1.65 | 0.50 | 20.73 | 20.62 | 20.59 | 34.77 | PASS |
| 16QAM | 1 | | 22.46 | 22.16 | 22.10 | -1.65 | 0.50 | 20.81 | 20.51 | 20.45 | 34.77 | PASS |
| | | 2 | 22.56 | 22.29 | 22.27 | -1.65 | 0.50 | 20.91 | 20.64 | 20.62 | 34.77 | PASS |
| | | 5 | 22.43 | 22.13 | 22.17 | -1.65 | 0.50 | 20.78 | 20.48 | 20.52 | 34.77 | PASS |
| | 3 | 0 | 22.33 | 22.45 | 22.26 | -1.65 | 0.50 | 20.68 | 20.80 | 20.61 | 34.77 | PASS |
| | | 2 | 22.36 | 22.49 | 22.27 | -1.65 | 0.50 | 20.71 | 20.84 | 20.62 | 34.77 | PASS |
| | | 3 | 22.35 | 22.45 | 22.23 | -1.65 | 0.50 | 20.70 | 20.80 | 20.58 | 34.77 | PASS |
| | 6 | 0 | 21.39 | 21.28 | 21.17 | -1.65 | 0.50 | 19.74 | 19.63 | 19.52 | 34.77 | PASS |

Note:
1) dBd = dBi - 2.15
2) EIRP = Conducted output power + Antenna gain (dBi)
3) ERP = Conducted output power + Antenna gain (dBd)

| Test Band: 12 _ 3MHz Bandwidth | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Modulation | RB Allocation | | Conducted Power (dBm) | | | Antenna gain | | ERP(dBm) | | | Limit (dBm) | Verdict |
| | Size | Offset | LCH | MCH | HCH | (dBd) | (dBi) | LCH | MCH | HCH | | |
| QPSK | 1 | 0 | 23.25 | 23.19 | 23.16 | -1.65 | 0.50 | 21.60 | 21.54 | 21.51 | 34.77 | PASS |
| | | 7 | 23.38 | 23.29 | 23.26 | -1.65 | 0.50 | 21.73 | 21.64 | 21.61 | 34.77 | PASS |
| | | 14 | 23.18 | 23.11 | 23.13 | -1.65 | 0.50 | 21.53 | 21.46 | 21.48 | 34.77 | PASS |
| | 8 | 0 | 22.31 | 22.23 | 22.19 | -1.65 | 0.50 | 20.66 | 20.58 | 20.54 | 34.77 | PASS |
| | | 4 | 22.34 | 22.23 | 22.18 | -1.65 | 0.50 | 20.69 | 20.58 | 20.53 | 34.77 | PASS |
| | | 7 | 22.24 | 22.19 | 22.17 | -1.65 | 0.50 | 20.59 | 20.54 | 20.52 | 34.77 | PASS |
| | 15 | 0 | 22.26 | 22.20 | 22.14 | -1.65 | 0.50 | 20.61 | 20.55 | 20.49 | 34.77 | PASS |
| 16QAM | 1 | | 22.46 | 22.76 | 22.24 | -1.65 | 0.50 | 20.81 | 21.11 | 20.59 | 34.77 | PASS |
| | | 7 | 22.58 | 22.90 | 22.32 | -1.65 | 0.50 | 20.93 | 21.25 | 20.67 | 34.77 | PASS |
| | | 14 | 22.40 | 22.65 | 22.13 | -1.65 | 0.50 | 20.75 | 21.00 | 20.48 | 34.77 | PASS |
| | 8 | 0 | 21.28 | 21.34 | 21.22 | -1.65 | 0.50 | 19.63 | 19.69 | 19.57 | 34.77 | PASS |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 4 | 21.31 | 21.38 | 21.24 | -1.65 | 0.50 | 19.66 | 19.73 | 19.59 | 34.77 | PASS |
| | | 7 | 21.24 | 21.33 | 21.20 | -1.65 | 0.50 | 19.59 | 19.68 | 19.55 | 34.77 | PASS |
| | 15 | 0 | 21.24 | 21.26 | 21.18 | -1.65 | 0.50 | 19.59 | 19.61 | 19.53 | 34.77 | PASS |
| Note:<br>1) dBd = dBi - 2.15<br>2) EIRP = Conducted output power + Antenna gain (dBi)<br>3) ERP = Conducted output power + Antenna gain (dBd) | | | | | | | | | | | | |

| Test Band: 12 _ 5MHz Bandwidth | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Modulation | RB Allocation | | Conducted Power (dBm) | | | Antenna gain | | ERP(dBm) | | | Limit (dBm) | Verdict |
| | Size | Offset | LCH | MCH | HCH | (dBd) | (dBi) | LCH | MCH | HCH | | |
| QPSK | 1 | 0 | 23.19 | 23.09 | 23.07 | -1.65 | 0.50 | 21.54 | 21.44 | 21.42 | 34.77 | PASS |
| | | 13 | 23.25 | 23.21 | 23.15 | -1.65 | 0.50 | 21.60 | 21.56 | 21.50 | 34.77 | PASS |
| | | 24 | 23.13 | 23.05 | 23.03 | -1.65 | 0.50 | 21.48 | 21.40 | 21.38 | 34.77 | PASS |
| | 12 | 0 | 22.28 | 22.20 | 22.21 | -1.65 | 0.50 | 20.63 | 20.55 | 20.56 | 34.77 | PASS |
| | | 6 | 22.31 | 22.29 | 22.23 | -1.65 | 0.50 | 20.66 | 20.64 | 20.58 | 34.77 | PASS |
| | | 13 | 22.29 | 22.20 | 22.09 | -1.65 | 0.50 | 20.64 | 20.55 | 20.44 | 34.77 | PASS |
| | 25 | 0 | 22.24 | 22.20 | 22.15 | -1.65 | 0.50 | 20.59 | 20.55 | 20.50 | 34.77 | PASS |
| 16QAM | 1 | 0 | 22.34 | 22.41 | 21.96 | -1.65 | 0.50 | 20.69 | 20.76 | 20.31 | 34.77 | PASS |
| | | 13 | 22.40 | 22.48 | 22.02 | -1.65 | 0.50 | 20.75 | 20.83 | 20.37 | 34.77 | PASS |
| | | 24 | 22.25 | 22.40 | 21.90 | -1.65 | 0.50 | 20.60 | 20.75 | 20.25 | 34.77 | PASS |
| | 12 | 0 | 21.26 | 21.18 | 21.21 | -1.65 | 0.50 | 19.61 | 19.53 | 19.56 | 34.77 | PASS |
| | | 6 | 21.29 | 21.27 | 21.18 | -1.65 | 0.50 | 19.64 | 19.62 | 19.53 | 34.77 | PASS |
| | | 13 | 21.25 | 21.21 | 21.09 | -1.65 | 0.50 | 19.60 | 19.56 | 19.44 | 34.77 | PASS |
| | 25 | 0 | 21.26 | 21.17 | 21.17 | -1.65 | 0.50 | 19.61 | 19.52 | 19.52 | 34.77 | PASS |
| Note:<br>1) dBd = dBi - 2.15<br>2) EIRP = Conducted output power + Antenna gain (dBi)<br>3) ERP = Conducted output power + Antenna gain (dBd) | | | | | | | | | | | | |

| Test Band: 12 _ 10MHz Bandwidth | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Modulation | RB Allocation | | Conducted Power (dBm) | | | Antenna gain | | ERP(dBm) | | | Limit (dBm) | Verdict |
| | Size | Offset | LCH | MCH | HCH | (dBd) | (dBi) | LCH | MCH | HCH | | |
| QPSK | 1 | 0 | 23.29 | 23.24 | 23.24 | -1.65 | 0.50 | 21.64 | 21.59 | 21.59 | 34.77 | PASS |
| | | 25 | 23.40 | 23.31 | 23.35 | -1.65 | 0.50 | 21.75 | 21.66 | 21.70 | 34.77 | PASS |
| | | 49 | 23.08 | 23.09 | 23.13 | -1.65 | 0.50 | 21.43 | 21.44 | 21.48 | 34.77 | PASS |
| | 25 | 0 | 22.32 | 22.29 | 22.31 | -1.65 | 0.50 | 20.67 | 20.64 | 20.66 | 34.77 | PASS |
| | | 13 | 22.33 | 22.29 | 22.23 | -1.65 | 0.50 | 20.68 | 20.64 | 20.58 | 34.77 | PASS |
| | | 25 | 22.29 | 22.21 | 22.16 | -1.65 | 0.50 | 20.64 | 20.56 | 20.51 | 34.77 | PASS |
| | 50 | 0 | 22.34 | 22.23 | 22.25 | -1.65 | 0.50 | 20.69 | 20.58 | 20.60 | 34.77 | PASS |
| 16QAM | 1 | 0 | 22.48 | 22.82 | 22.31 | -1.65 | 0.50 | 20.83 | 21.17 | 20.66 | 34.77 | PASS |
| | | 25 | 22.59 | 22.92 | 22.39 | -1.65 | 0.50 | 20.94 | 21.27 | 20.74 | 34.77 | PASS |
| | | 49 | 22.33 | 22.70 | 22.14 | -1.65 | 0.50 | 20.68 | 21.05 | 20.49 | 34.77 | PASS |
| | 25 | 0 | 21.36 | 21.35 | 21.40 | -1.65 | 0.50 | 19.71 | 19.70 | 19.75 | 34.77 | PASS |
| | | 13 | 21.33 | 21.33 | 21.28 | -1.65 | 0.50 | 19.68 | 19.68 | 19.63 | 34.77 | PASS |
| | | 25 | 21.33 | 21.30 | 21.25 | -1.65 | 0.50 | 19.68 | 19.65 | 19.60 | 34.77 | PASS |
| | 50 | 0 | 21.35 | 21.26 | 21.25 | -1.65 | 0.50 | 19.70 | 19.61 | 19.60 | 34.77 | PASS |
| Note:<br>1) dBd = dBi - 2.15<br>2) EIRP = Conducted output power + Antenna gain (dBi)<br>3) ERP = Conducted output power + Antenna gain (dBd) | | | | | | | | | | | | |

# 5. Effective (Isotropic) Radiated Power Output Data

## 5.1 Test Result

| Test Band: 13 _ 5MHz Bandwidth | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Modulation | RB Allocation | | Conducted Power (dBm) | | | Antenna gain | | ERP(dBm) | | | Limit (dBm) | Verdict |
| | Size | Offset | LCH | MCH | HCH | (dBd) | (dBi) | LCH | MCH | HCH | | |
| QPSK | 1 | 0 | 23.22 | 23.24 | 23.19 | -1.65 | 0.50 | 21.57 | 21.59 | 21.54 | 34.77 | PASS |
| | | 13 | 23.32 | 23.32 | 23.23 | -1.65 | 0.50 | 21.67 | 21.67 | 21.58 | 34.77 | PASS |
| | | 24 | 23.19 | 23.17 | 23.17 | -1.65 | 0.50 | 21.54 | 21.52 | 21.52 | 34.77 | PASS |
| | 12 | 0 | 22.22 | 22.25 | 22.29 | -1.65 | 0.50 | 20.57 | 20.60 | 20.64 | 34.77 | PASS |
| | | 6 | 22.31 | 22.36 | 22.32 | -1.65 | 0.50 | 20.66 | 20.71 | 20.67 | 34.77 | PASS |
| | | 13 | 22.36 | 22.29 | 22.15 | -1.65 | 0.50 | 20.71 | 20.64 | 20.50 | 34.77 | PASS |
| | 25 | 0 | 22.27 | 22.26 | 22.21 | -1.65 | 0.50 | 20.62 | 20.61 | 20.56 | 34.77 | PASS |
| 16QAM | 1 | 0 | 22.11 | 22.35 | 22.45 | -1.65 | 0.50 | 20.46 | 20.70 | 20.80 | 34.77 | PASS |
| | | 13 | 22.20 | 22.41 | 22.53 | -1.65 | 0.50 | 20.55 | 20.76 | 20.88 | 34.77 | PASS |
| | | 24 | 22.08 | 22.26 | 22.48 | -1.65 | 0.50 | 20.43 | 20.61 | 20.83 | 34.77 | PASS |
| | 12 | 0 | 21.18 | 21.17 | 21.30 | -1.65 | 0.50 | 19.53 | 19.52 | 19.65 | 34.77 | PASS |
| | | 6 | 21.30 | 21.27 | 21.32 | -1.65 | 0.50 | 19.65 | 19.62 | 19.67 | 34.77 | PASS |
| | | 13 | 21.33 | 21.24 | 21.13 | -1.65 | 0.50 | 19.68 | 19.59 | 19.48 | 34.77 | PASS |
| | 25 | 0 | 21.29 | 21.24 | 21.17 | -1.65 | 0.50 | 19.64 | 19.59 | 19.52 | 34.77 | PASS |
| Note:<br>1) dBd = dBi - 2.15<br>2) EIRP = Conducted output power + Antenna gain (dBi)<br>3) ERP = Conducted output power + Antenna gain (dBd) | | | | | | | | | | | | |

| Test Band: 13 _ 10MHz Bandwidth | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Modulation | RB Allocation | | Conducted Power (dBm) | | | Antenna gain | | ERP(dBm) | | | Limit (dBm) | Verdict |
| | Size | Offset | LCH | MCH | HCH | (dBd) | (dBi) | LCH | MCH | HCH | | |
| QPSK | 1 | 0 | / | 23.31 | / | -1.65 | 0.50 | / | 21.66 | / | 34.77 | PASS |
| | | 25 | / | 23.49 | / | -1.65 | 0.50 | / | 21.84 | / | 34.77 | PASS |
| | | 49 | / | 23.26 | / | -1.65 | 0.50 | / | 21.61 | / | 34.77 | PASS |
| | 25 | 0 | / | 22.16 | / | -1.65 | 0.50 | / | 20.51 | / | 34.77 | PASS |
| | | 13 | / | 22.34 | / | -1.65 | 0.50 | / | 20.69 | / | 34.77 | PASS |
| | | 25 | / | 22.16 | / | -1.65 | 0.50 | / | 20.51 | / | 34.77 | PASS |
| | 50 | 0 | / | 22.16 | / | -1.65 | 0.50 | / | 20.51 | / | 34.77 | PASS |
| 16QAM | 1 | 0 | / | 22.36 | / | -1.65 | 0.50 | / | 20.71 | / | 34.77 | PASS |
| | | 25 | / | 22.45 | / | -1.65 | 0.50 | / | 20.80 | / | 34.77 | PASS |
| | | 49 | / | 22.28 | / | -1.65 | 0.50 | / | 20.63 | / | 34.77 | PASS |
| | 25 | 0 | / | 21.22 | / | -1.65 | 0.50 | / | 19.57 | / | 34.77 | PASS |
| | | 13 | / | 21.39 | / | -1.65 | 0.50 | / | 19.74 | / | 34.77 | PASS |
| | | 25 | / | 21.21 | / | -1.65 | 0.50 | / | 19.56 | / | 34.77 | PASS |
| | 50 | 0 | / | 21.19 | / | -1.65 | 0.50 | / | 19.54 | / | 34.77 | PASS |
| Note:<br>1) dBd = dBi - 2.15<br>2) EIRP = Conducted output power + Antenna gain (dBi)<br>3) ERP = Conducted output power + Antenna gain (dBd) | | | | | | | | | | | | |

# 6. Effective (Isotropic) Radiated Power Output Data

## 6.1 Test Result

| Test Band: 17 _ 5MHz Bandwidth | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Modulation | RB Allocation | | Conducted Power (dBm) | | | Antenna gain | | ERP(dBm) | | | Limit (dBm) | Verdict |
| | Size | Offset | LCH | MCH | HCH | (dBd) | (dBi) | LCH | MCH | HCH | | |
| QPSK | 1 | 0 | 23.14 | 23.13 | 23.14 | -1.65 | 0.50 | 21.49 | 21.48 | 21.49 | 34.77 | PASS |
| | | 13 | 23.22 | 23.21 | 23.18 | -1.65 | 0.50 | 21.57 | 21.56 | 21.53 | 34.77 | PASS |
| | | 24 | 23.08 | 23.04 | 23.06 | -1.65 | 0.50 | 21.43 | 21.39 | 21.41 | 34.77 | PASS |
| | 12 | 0 | 22.20 | 22.26 | 22.27 | -1.65 | 0.50 | 20.55 | 20.61 | 20.62 | 34.77 | PASS |
| | | 6 | 22.27 | 22.20 | 22.28 | -1.65 | 0.50 | 20.62 | 20.55 | 20.63 | 34.77 | PASS |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 13 | 22.22 | 22.19 | 22.15 | -1.65 | 0.50 | 20.57 | 20.54 | 20.50 | 34.77 | PASS |
| | 25 | 0 | 22.25 | 22.20 | 22.20 | -1.65 | 0.50 | 20.60 | 20.55 | 20.55 | 34.77 | PASS |
| | | | 22.46 | 22.03 | 22.27 | -1.65 | 0.50 | 20.81 | 20.38 | 20.62 | 34.77 | PASS |
| | 1 | 13 | 22.49 | 22.07 | 22.31 | -1.65 | 0.50 | 20.84 | 20.42 | 20.66 | 34.77 | PASS |
| | | 24 | 22.38 | 21.94 | 22.18 | -1.65 | 0.50 | 20.73 | 20.29 | 20.53 | 34.77 | PASS |
| 16QAM | | 0 | 21.26 | 21.21 | 21.22 | -1.65 | 0.50 | 19.61 | 19.56 | 19.57 | 34.77 | PASS |
| | 12 | 6 | 21.33 | 21.21 | 21.24 | -1.65 | 0.50 | 19.68 | 19.56 | 19.59 | 34.77 | PASS |
| | | 13 | 21.28 | 21.15 | 21.14 | -1.65 | 0.50 | 19.63 | 19.50 | 19.49 | 34.77 | PASS |
| | 25 | 0 | 21.23 | 21.20 | 21.21 | -1.65 | 0.50 | 19.58 | 19.55 | 19.56 | 34.77 | PASS |

Note:
1) dBd = dBi - 2.15
2) EIRP = Conducted output power + Antenna gain (dBi)
3) ERP = Conducted output power + Antenna gain (dBd)

| Test Band: 17 _ 10MHz Bandwidth | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Modulation | RB Allocation | | Conducted Power (dBm) | | | Antenna gain | | ERP(dBm) | | | Limit (dBm) | Verdict |
| | Size | Offset | LCH | MCH | HCH | (dBd) | (dBi) | LCH | MCH | HCH | | |
| | | 0 | 23.24 | 23.25 | 23.25 | -1.65 | 0.50 | 21.59 | 21.60 | 21.60 | 34.77 | PASS |
| | 1 | 25 | 23.29 | 23.32 | 23.30 | -1.65 | 0.50 | 21.64 | 21.67 | 21.65 | 34.77 | PASS |
| | | 49 | 23.08 | 23.17 | 23.12 | -1.65 | 0.50 | 21.43 | 21.52 | 21.47 | 34.77 | PASS |
| QPSK | | 0 | 22.31 | 22.32 | 22.34 | -1.65 | 0.50 | 20.66 | 20.67 | 20.69 | 34.77 | PASS |
| | 25 | 13 | 22.26 | 22.30 | 22.28 | -1.65 | 0.50 | 20.61 | 20.65 | 20.63 | 34.77 | PASS |
| | | 25 | 22.21 | 22.17 | 22.20 | -1.65 | 0.50 | 20.56 | 20.52 | 20.55 | 34.77 | PASS |
| | 50 | 0 | 22.24 | 22.20 | 22.27 | -1.65 | 0.50 | 20.59 | 20.55 | 20.62 | 34.77 | PASS |
| | | | 22.80 | 22.29 | 22.42 | -1.65 | 0.50 | 21.15 | 20.64 | 20.77 | 34.77 | PASS |
| | 1 | 25 | 22.88 | 22.36 | 22.55 | -1.65 | 0.50 | 21.23 | 20.71 | 20.90 | 34.77 | PASS |
| | | 49 | 22.65 | 22.19 | 22.28 | -1.65 | 0.50 | 21.00 | 20.54 | 20.63 | 34.77 | PASS |
| 16QAM | | 0 | 21.34 | 21.38 | 21.38 | -1.65 | 0.50 | 19.69 | 19.73 | 19.73 | 34.77 | PASS |
| | 25 | 13 | 21.31 | 21.32 | 21.30 | -1.65 | 0.50 | 19.66 | 19.67 | 19.65 | 34.77 | PASS |
| | | 25 | 21.28 | 21.25 | 21.20 | -1.65 | 0.50 | 19.63 | 19.60 | 19.55 | 34.77 | PASS |
| | 50 | 0 | 21.24 | 21.25 | 21.26 | -1.65 | 0.50 | 19.59 | 19.60 | 19.61 | 34.77 | PASS |

Note:
1) dBd = dBi - 2.15
2) EIRP = Conducted output power + Antenna gain (dBi)
3) ERP = Conducted output power + Antenna gain (dBd)