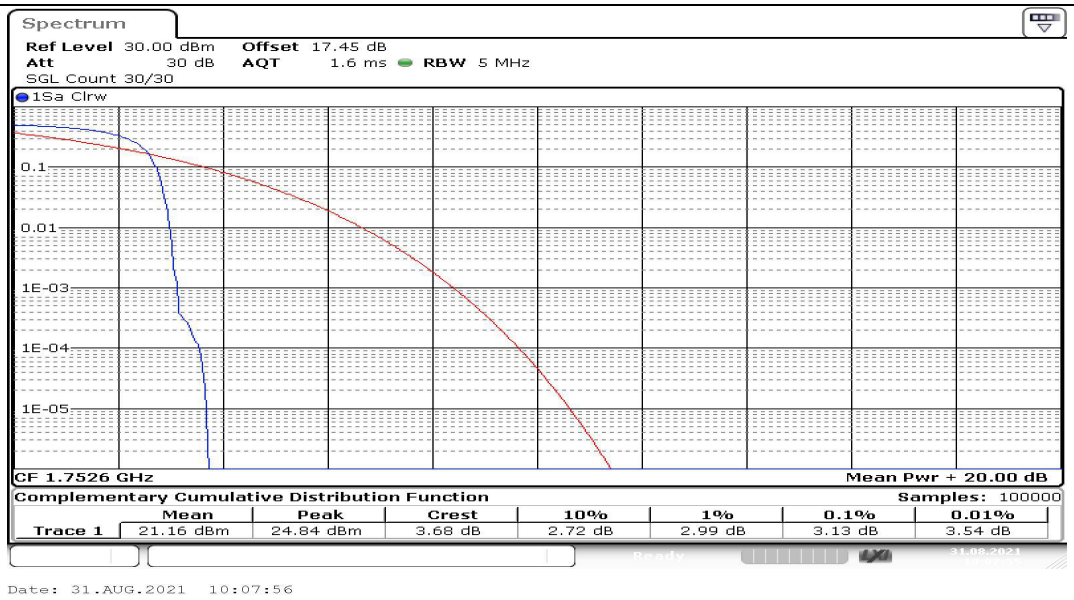
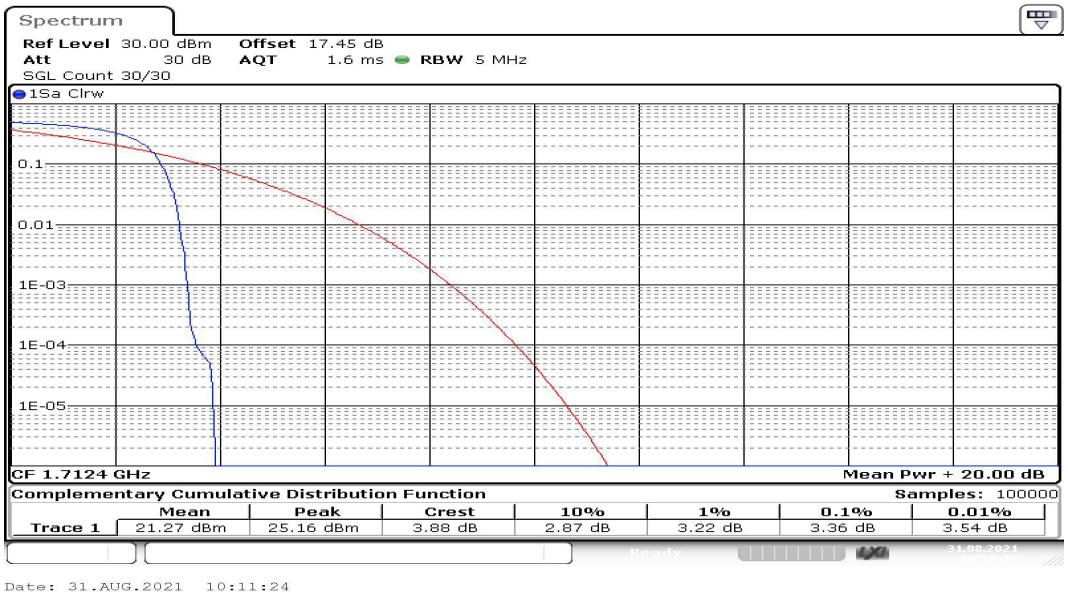
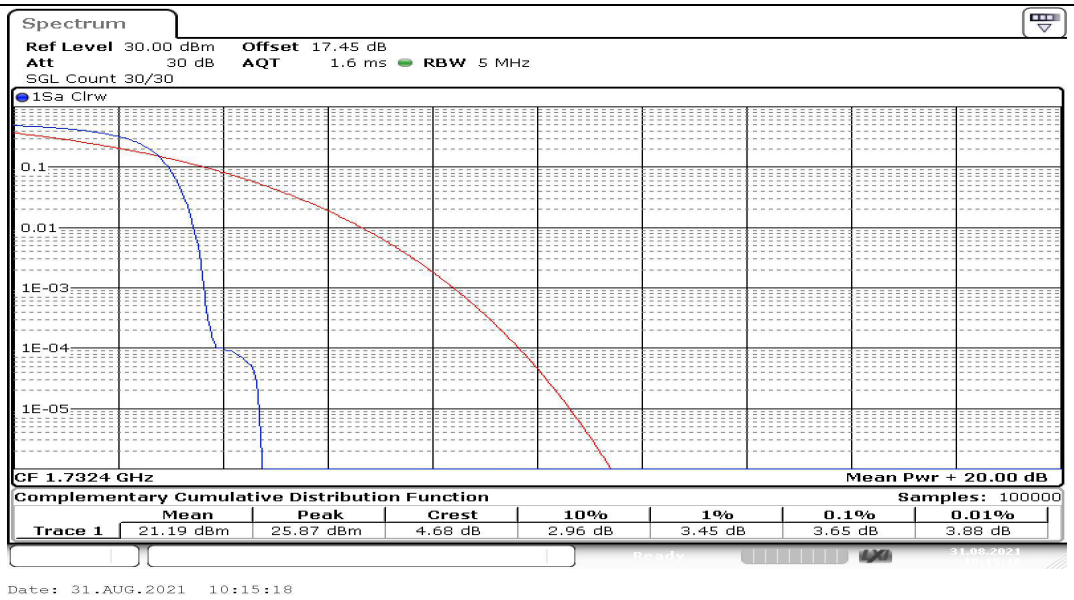



Channel 1513

HSUPA Mode:

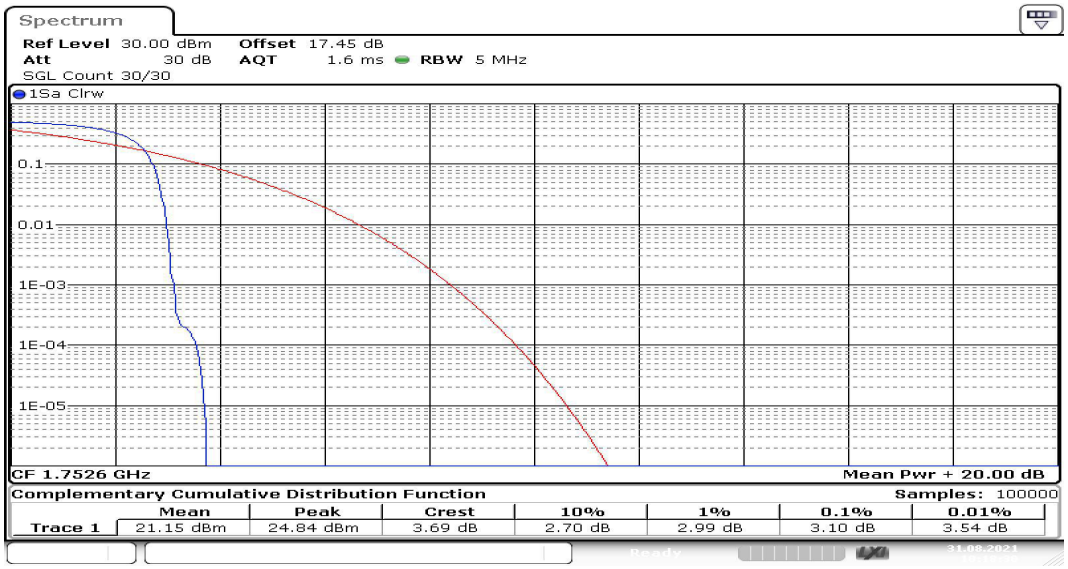



Channel 1312




Date: 31.AUG.2021 10:15:18

Channel 1412




Date: 31.AUG.2021 10:18:30

Channel 1513

## 8. Effective Radiated Power and Effective Isotropic Radiated Power

WCDMA band IV

| Mode | | Carrier frequency (MHz) | Channel No. | Conducted Power (dBm) | ERP/EIRP (dBm) | ERP/EIRP (W) |
|---|---|---|---|---|---|---|
| Release 99 | RMC,12.2kbps | 1712.4 | 1312 | 24.43 | 23.03 | 0.201 |
| | | 1732.6 | 1412 | 24.40 | 23.00 | 0.200 |
| | | 1752.6 | 1513 | 24.36 | 22.96 | 0.198 |
| HSDPA | Subtest1 | 1712.4 | 1312 | 23.47 | 22.07 | 0.161 |
| | | 1732.6 | 1412 | 23.43 | 22.03 | 0.160 |
| | | 1752.6 | 1513 | 23.38 | 21.98 | 0.158 |
| | Subtest2 | 1712.4 | 1312 | 23.46 | 22.06 | 0.161 |
| | | 1732.6 | 1412 | 23.43 | 22.03 | 0.160 |
| | | 1752.6 | 1513 | 23.36 | 21.96 | 0.157 |
| | Subtest3 | 1712.4 | 1312 | 22.95 | 21.55 | 0.143 |
| | | 1732.6 | 1412 | 22.93 | 21.53 | 0.142 |
| | | 1752.6 | 1513 | 22.87 | 21.47 | 0.140 |
| | Subtest4 | 1712.4 | 1312 | 22.94 | 21.54 | 0.143 |
| | | 1732.6 | 1412 | 22.91 | 21.51 | 0.142 |
| | | 1752.6 | 1513 | 22.86 | 21.46 | 0.140 |
| HSUPA | Subtest1 | 1712.4 | 1312 | 23.48 | 22.08 | 0.161 |
| | | 1732.6 | 1412 | 23.42 | 22.02 | 0.159 |
| | | 1752.6 | 1513 | 23.39 | 21.99 | 0.158 |
| | Subtest2 | 1712.4 | 1312 | 23.39 | 21.99 | 0.158 |
| | | 1732.6 | 1412 | 23.41 | 22.01 | 0.159 |
| | | 1752.6 | 1513 | 23.41 | 22.01 | 0.159 |
| | Subtest3 | 1712.4 | 1312 | 22.96 | 21.56 | 0.143 |
| | | 1732.6 | 1412 | 22.92 | 21.52 | 0.142 |
| | | 1752.6 | 1513 | 22.87 | 21.47 | 0.140 |
| | Subtest4 | 1712.4 | 1312 | 23.44 | 22.04 | 0.160 |
| | | 1732.6 | 1412 | 23.38 | 21.98 | 0.158 |
| | | 1752.6 | 1513 | 23.36 | 21.96 | 0.157 |
| | Subtest5 | 1712.4 | 1312 | 22.95 | 21.55 | 0.143 |
| | | 1732.6 | 1412 | 22.92 | 21.52 | 0.142 |
| | | 1752.6 | 1513 | 22.87 | 21.47 | 0.140 |
| HSPA+ | QPSK | 1712.4 | 1312 | 23.47 | 22.07 | 0.161 |
| | | 1732.6 | 1412 | 23.43 | 22.03 | 0.160 |
| | | 1752.6 | 1513 | 23.39 | 21.99 | 0.158 |
| | 16QAM | 1712.4 | 1312 | 23.49 | 22.09 | 0.162 |
| | | 1732.6 | 1412 | 23.43 | 22.03 | 0.160 |
| | | 1752.6 | 1513 | 23.40 | 22.00 | 0.158 |

| Mode | | Carrier frequency (MHz) | Channel No. | Conducted Power (dBm) | ERP/EIRP (dBm) | ERP/EIRP (W) |
|---|---|---|---|---|---|---|
| DC-HSDPA | Subtest1 | 1712.4 | 1312 | 23.48 | 22.08 | 0.161 |
| | | 1732.6 | 1412 | 23.45 | 22.05 | 0.160 |
| | | 1752.6 | 1513 | 23.37 | 21.97 | 0.157 |
| | Subtest2 | 1712.4 | 1312 | 23.47 | 22.07 | 0.161 |
| | | 1732.6 | 1412 | 23.43 | 22.03 | 0.160 |
| | | 1752.6 | 1513 | 23.39 | 21.99 | 0.158 |
| | Subtest3 | 1712.4 | 1312 | 22.96 | 21.56 | 0.143 |
| | | 1732.6 | 1412 | 22.94 | 21.54 | 0.143 |
| | | 1752.6 | 1513 | 22.90 | 21.50 | 0.141 |
| | Subtest4 | 1712.4 | 1312 | 22.96 | 21.56 | 0.143 |
| | | 1732.6 | 1412 | 22.97 | 21.57 | 0.144 |
| | | 1752.6 | 1513 | 22.84 | 21.44 | 0.139 |

# APPENDIX B – TEST DATA OF RADIATED EMISSION

**Radiated Spurious Emissions**

WCDMA band II

Test result:
WCDMA Mode:
Channel 9262

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|---|---|---|---|
| 2453.32 | -52.84 | -13 | Vertical |
| 2778.46 | -51.63 | -13 | Vertical |
| 3728.29 | -43.48 | -13 | Vertical |
| 6679.02 | -42.95 | -13 | Vertical |
| 9964.76 | -40.07 | -13 | Vertical |
| 17822.73 | -35.51 | -13 | Vertical |

Channel 9400

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|---|---|---|---|
| 2455.61 | -52.59 | -13 | Vertical |
| 2781.81 | -51.88 | -13 | Vertical |
| 3728.20 | -43.95 | -13 | Vertical |
| 6678.60 | -43.49 | -13 | Vertical |
| 9962.50 | -39.77 | -13 | Vertical |
| 17820.56 | -36.14 | -13 | Vertical |

Channel 9538

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|---|---|---|---|
| 2453.57 | -52.49 | -13 | Vertical |
| 2780.07 | -52.00 | -13 | Vertical |
| 3728.61 | -43.92 | -13 | Vertical |
| 6678.82 | -43.74 | -13 | Vertical |
| 9961.97 | -40.31 | -13 | Vertical |
| 17822.30 | -35.26 | -13 | Vertical |

HSDPA/HSUPA Mode:
Channel 9262

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|---|---|---|---|
| 2452.88 | -53.00 | -13 | Vertical |
| 2781.15 | -51.97 | -13 | Vertical |
| 3728.86 | -43.45 | -13 | Vertical |
| 6677.54 | -43.56 | -13 | Vertical |
| 9964.81 | -40.02 | -13 | Vertical |
| 17821.30 | -35.64 | -13 | Vertical |

Channel 9400

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|---|---|---|---|
| 2453.32 | -53.02 | -13 | Vertical |
| 2781.70 | -51.57 | -13 | Vertical |
| 3727.94 | -44.21 | -13 | Vertical |
| 6679.33 | -43.20 | -13 | Vertical |
| 9963.11 | -39.77 | -13 | Vertical |
| 17821.37 | -36.10 | -13 | Vertical |

Channel 9538

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|---|---|---|---|
| 2456.09 | -52.84 | -13 | Vertical |
| 2781.37 | -51.29 | -13 | Vertical |
| 3730.86 | -43.52 | -13 | Vertical |
| 6676.12 | -43.35 | -13 | Vertical |
| 9961.92 | -40.30 | -13 | Vertical |
| 17823.08 | -36.11 | -13 | Vertical |

HSPA+ Mode: （QPSK）
Channel 9262

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|---|---|---|---|
| 2453.66 | -52.82 | -13 | Vertical |
| 2778.63 | -51.80 | -13 | Vertical |
| 3728.91 | -44.30 | -13 | Vertical |
| 6676.25 | -43.65 | -13 | Vertical |
| 9962.87 | -39.82 | -13 | Vertical |
| 17821.46 | -35.99 | -13 | Vertical |

Channel 9400

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|---|---|---|---|
| 2453.26 | -52.87 | -13 | Vertical |
| 2779.28 | -51.98 | -13 | Vertical |
| 3728.95 | -44.23 | -13 | Vertical |
| 6678.69 | -43.24 | -13 | Vertical |
| 9964.32 | -39.53 | -13 | Vertical |
| 17821.65 | -36.11 | -13 | Vertical |

Channel 9538

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|---|---|---|---|
| 2454.53 | -52.95 | -13 | Vertical |
| 2780.66 | -52.22 | -13 | Vertical |
| 3727.76 | -44.31 | -13 | Vertical |
| 6677.67 | -43.81 | -13 | Vertical |
| 9963.42 | -39.48 | -13 | Vertical |
| 17824.39 | -35.34 | -13 | Vertical |

HSPA+ Mode: （16QAM）

Channel 9262

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|---|---|---|---|
| 2454.70 | -52.99 | -13 | Vertical |
| 2779.42 | -51.94 | -13 | Vertical |
| 3730.34 | -43.92 | -13 | Vertical |
| 6678.95 | -43.80 | -13 | Vertical |
| 9963.65 | -39.85 | -13 | Vertical |
| 17824.44 | -35.57 | -13 | Vertical |

Channel 9400

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|---|---|---|---|
| 2452.87 | -52.24 | -13 | Vertical |
| 2779.49 | -51.90 | -13 | Vertical |
| 3729.64 | -43.86 | -13 | Vertical |
| 6680.00 | -43.27 | -13 | Vertical |
| 9963.27 | -39.49 | -13 | Vertical |
| 17820.91 | -35.66 | -13 | Vertical |

Channel 9538

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|---|---|---|---|
| 2456.09 | -52.92 | -13 | Vertical |
| 2780.89 | -51.78 | -13 | Vertical |
| 3727.82 | -44.26 | -13 | Vertical |
| 6678.28 | -43.32 | -13 | Vertical |
| 9964.68 | -39.78 | -13 | Vertical |
| 17823.76 | -35.66 | -13 | Vertical |

DC-HSDPA Mode:

Channel 9262

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|---|---|---|---|
| 2456.52 | -52.33 | -13 | Vertical |
| 2781.30 | -52.09 | -13 | Vertical |
| 3728.83 | -43.75 | -13 | Vertical |
| 6676.15 | -43.40 | -13 | Vertical |
| 9964.25 | -39.45 | -13 | Vertical |
| 17821.70 | -35.33 | -13 | Vertical |

Channel 9400

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|---|---|---|---|
| 2453.31 | -52.47 | -13 | Vertical |
| 2780.39 | -51.68 | -13 | Vertical |
| 3729.76 | -44.25 | -13 | Vertical |
| 6678.53 | -43.62 | -13 | Vertical |
| 9965.07 | -39.41 | -13 | Vertical |
| 17821.20 | -35.35 | -13 | Vertical |

Channel 9538

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|---|---|---|---|
| 2455.68 | -53.05 | -13 | Vertical |
| 2779.00 | -51.58 | -13 | Vertical |
| 3730.74 | -43.61 | -13 | Vertical |
| 6678.65 | -43.80 | -13 | Vertical |
| 9962.35 | -40.12 | -13 | Vertical |
| 17823.00 | -35.98 | -13 | Vertical |

WCDMA band IV

Test result:
WCDMA Mode:
Channel 1312

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|---|---|---|---|
| 2454.97 | -52.75 | -13 | Vertical |
| 2781.70 | -52.03 | -13 | Vertical |
| 3730.79 | -44.20 | -13 | Vertical |
| 6679.71 | -43.14 | -13 | Vertical |
| 9962.46 | -39.77 | -13 | Vertical |
| 17822.61 | -36.11 | -13 | Vertical |

Channel 1412

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|---|---|---|---|
| 2454.72 | -52.73 | -13 | Vertical |
| 2781.51 | -51.63 | -13 | Vertical |
| 3728.79 | -44.33 | -13 | Vertical |
| 6676.24 | -43.30 | -13 | Vertical |
| 9963.56 | -39.83 | -13 | Vertical |
| 17821.81 | -36.19 | -13 | Vertical |

Channel 1513

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|---|---|---|---|
| 2455.27 | -53.07 | -13 | Vertical |
| 2778.00 | -52.00 | -13 | Vertical |
| 3731.13 | -44.17 | -13 | Vertical |
| 6676.96 | -43.41 | -13 | Vertical |
| 9962.69 | -39.93 | -13 | Vertical |
| 17823.39 | -35.74 | -13 | Vertical |

HSDPA/HSUPA Mode:
Channel 1312

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|---|---|---|---|
| 2455.68 | -52.63 | -13 | Vertical |
| 2781.83 | -51.69 | -13 | Vertical |
| 3728.86 | -43.88 | -13 | Vertical |
| 6676.86 | -43.59 | -13 | Vertical |
| 9963.80 | -40.37 | -13 | Vertical |
| 17823.00 | -36.02 | -13 | Vertical |

Channel 1412

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|---|---|---|---|
| 2455.54 | -53.18 | -13 | Vertical |
| 2779.54 | -52.05 | -13 | Vertical |
| 3728.02 | -44.27 | -13 | Vertical |
| 6678.59 | -43.57 | -13 | Vertical |
| 9964.08 | -39.43 | -13 | Vertical |
| 17823.83 | -35.97 | -13 | Vertical |

Channel 1513

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|---|---|---|---|
| 2452.87 | -52.88 | -13 | Vertical |
| 2779.81 | -52.21 | -13 | Vertical |
| 3730.39 | -43.41 | -13 | Vertical |
| 6677.19 | -43.04 | -13 | Vertical |
| 9963.10 | -39.59 | -13 | Vertical |
| 17820.90 | -35.92 | -13 | Vertical |

HSPA+ Mode:（QPSK）
Channel 1312

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|---|---|---|---|
| 2452.93 | -53.07 | -13 | Vertical |
| 2780.16 | -51.99 | -13 | Vertical |
| 3728.81 | -43.85 | -13 | Vertical |
| 6679.14 | -43.45 | -13 | Vertical |
| 9963.41 | -39.88 | -13 | Vertical |
| 17824.15 | -35.81 | -13 | Vertical |

Channel 1412

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|---|---|---|---|
| 2454.37 | -52.85 | -13 | Vertical |
| 2778.98 | -51.98 | -13 | Vertical |
| 3730.24 | -44.14 | -13 | Vertical |
| 6678.16 | -43.16 | -13 | Vertical |
| 9965.15 | -39.74 | -13 | Vertical |
| 17822.69 | -35.68 | -13 | Vertical |

Channel 1513

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|---|---|---|---|
| 2453.47 | -52.82 | -13 | Vertical |
| 2781.26 | -51.48 | -13 | Vertical |
| 3727.90 | -43.50 | -13 | Vertical |
| 6677.14 | -43.11 | -13 | Vertical |
| 9965.08 | -39.82 | -13 | Vertical |
| 17823.99 | -35.25 | -13 | Vertical |

HSPA+ Mode:（16QAM）

Channel 1312

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|---|---|---|---|
| 2453.54 | -52.95 | -13 | Vertical |
| 2781.75 | -51.59 | -13 | Vertical |
| 3728.44 | -44.29 | -13 | Vertical |
| 6678.33 | -43.89 | -13 | Vertical |
| 9963.26 | -40.18 | -13 | Vertical |
| 17821.07 | -35.58 | -13 | Vertical |

Channel 1412

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|---|---|---|---|
| 2454.08 | -52.25 | -13 | Vertical |
| 2778.77 | -51.54 | -13 | Vertical |
| 3729.68 | -43.56 | -13 | Vertical |
| 6678.07 | -43.70 | -13 | Vertical |
| 9963.53 | -39.93 | -13 | Vertical |
| 17820.53 | -35.88 | -13 | Vertical |

Channel 1513

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|---|---|---|---|
| 2456.69 | -52.75 | -13 | Vertical |
| 2781.05 | -52.21 | -13 | Vertical |
| 3728.86 | -43.44 | -13 | Vertical |
| 6679.48 | -43.51 | -13 | Vertical |
| 9963.69 | -39.42 | -13 | Vertical |
| 17820.84 | -35.24 | -13 | Vertical |

DC-HSDPA + Mode:

Channel 1312

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|---|---|---|---|
| 2456.46 | -52.89 | -13 | Vertical |
| 2779.92 | -52.00 | -13 | Vertical |
| 3729.59 | -43.37 | -13 | Vertical |
| 6678.97 | -43.10 | -13 | Vertical |
| 9964.22 | -39.75 | -13 | Vertical |
| 17822.77 | -35.57 | -13 | Vertical |

Channel 1412

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|---|---|---|---|
| 2453.00 | -52.78 | -13 | Vertical |
| 2779.07 | -51.68 | -13 | Vertical |
| 3730.89 | -43.70 | -13 | Vertical |
| 6677.74 | -43.32 | -13 | Vertical |
| 9965.08 | -40.34 | -13 | Vertical |
| 17820.90 | -35.34 | -13 | Vertical |

Channel 1513

| Frequency (MHz) | Power (dBm) | Limited (dBm) | Polarization |
|---|---|---|---|
| 2456.31 | -53.14 | -13 | Vertical |
| 2780.86 | -52.19 | -13 | Vertical |
| 3729.62 | -43.46 | -13 | Vertical |
| 6677.59 | -43.94 | -13 | Vertical |
| 9962.96 | -39.96 | -13 | Vertical |
| 17820.92 | -35.29 | -13 | Vertical |

---The end of the test report---