

RF Power Output and Effective Radiated Power

| GSM 850 | | Conducted Power (dBm) | | |
|--------------|------------|-----------------------|-----------|-----------|
| | | Channel/Frenqucy(MHz) | | |
| | | 128/824.2 | 190/836.6 | 251/848.8 |
| GSM | CS | 31.82 | 31.70 | 31.85 |
| GPRS(GMSK) | 1 Tx Slot | 31.78 | 31.88 | 31.81 |
| | 2 Tx Slots | 31.23 | 31.27 | 31.20 |
| | 3 Tx Slots | 29.21 | 29.01 | 29.28 |
| | 4 Tx Slots | 28.06 | 27.95 | 28.27 |
| EGPRS (8PSK) | 1 Tx Slot | 25.64 | 25.66 | 25.67 |
| | 2 Tx Slots | 25.43 | 25.56 | 25.60 |
| | 3 Tx Slots | 23.34 | 23.44 | 23.58 |
| | 4 Tx Slots | 22.21 | 22.24 | 22.25 |

| WCDMA Band V | | Conducted Power (dBm) | | |
|--------------|-----------|-----------------------|------------|------------|
| | | Channel/Frenqucy | | |
| | | 4132/826.4 | 4183/836.6 | 4233/846.6 |
| RMC | 12.2k | 23.36 | 23.12 | 23.15 |
| HSDPA | Subtest 1 | 22.82 | 22.54 | 22.59 |
| | Subtest 2 | 22.81 | 22.56 | 22.56 |
| | Subtest 3 | 22.28 | 22.06 | 22.08 |
| | Subtest 4 | 22.29 | 22.07 | 22.06 |
| HSUPA | Subtest 1 | 22.78 | 22.53 | 22.54 |
| | Subtest 2 | 21.77 | 21.51 | 21.53 |
| | Subtest 3 | 22.24 | 21.99 | 22.02 |
| | Subtest 4 | 21.70 | 21.48 | 21.50 |
| | Subtest 5 | 22.71 | 22.46 | 22.48 |
| DC-HSDPA | Subtest 1 | 22.70 | 22.48 | 22.49 |
| | Subtest 2 | 22.69 | 22.47 | 22.48 |
| | Subtest 3 | 22.27 | 21.96 | 21.99 |
| | Subtest 4 | 22.26 | 21.95 | 21.98 |

| Band | Bandwidth (MHz) | UL Channel | RB Size | RB Position | Modulation | Power (dBm) | Verdict |
|-----------|-----------------|------------|---------|-------------|------------|-------------|---------|
| LTE Band5 | 1.4 | 20407 | 1 | #0 | QPSK | 23.45 | PASS |
| LTE Band5 | 1.4 | 20407 | 1 | #Mid | QPSK | 23.43 | PASS |
| LTE Band5 | 1.4 | 20407 | 1 | #Max | QPSK | 23.42 | PASS |
| LTE Band5 | 1.4 | 20407 | 3 | #0 | QPSK | 23.16 | PASS |
| LTE Band5 | 1.4 | 20407 | 3 | #Mid | QPSK | 23.16 | PASS |
| LTE Band5 | 1.4 | 20407 | 3 | #Max | QPSK | 23.12 | PASS |
| LTE Band5 | 1.4 | 20407 | 6 | #0 | QPSK | 22.11 | PASS |
| LTE Band5 | 1.4 | 20407 | 1 | #0 | QAM16 | 22.45 | PASS |
| LTE Band5 | 1.4 | 20407 | 1 | #Mid | QAM16 | 22.52 | PASS |
| LTE Band5 | 1.4 | 20407 | 1 | #Max | QAM16 | 22.33 | PASS |
| LTE Band5 | 1.4 | 20407 | 3 | #0 | QAM16 | 22.26 | PASS |
| LTE Band5 | 1.4 | 20407 | 3 | #Mid | QAM16 | 22.18 | PASS |
| LTE Band5 | 1.4 | 20407 | 3 | #Max | QAM16 | 22.06 | PASS |
| LTE Band5 | 1.4 | 20407 | 6 | #0 | QAM16 | 21.13 | PASS |
| LTE Band5 | 1.4 | 20525 | 1 | #0 | QPSK | 23.18 | PASS |
| LTE Band5 | 1.4 | 20525 | 1 | #Mid | QPSK | 23.29 | PASS |
| LTE Band5 | 1.4 | 20525 | 1 | #Max | QPSK | 23.11 | PASS |
| LTE Band5 | 1.4 | 20525 | 3 | #0 | QPSK | 23.25 | PASS |
| LTE Band5 | 1.4 | 20525 | 3 | #Mid | QPSK | 23.25 | PASS |
| LTE Band5 | 1.4 | 20525 | 3 | #Max | QPSK | 23.26 | PASS |
| LTE Band5 | 1.4 | 20525 | 6 | #0 | QPSK | 22.47 | PASS |
| LTE Band5 | 1.4 | 20525 | 1 | #0 | QAM16 | 22.27 | PASS |
| LTE Band5 | 1.4 | 20525 | 1 | #Mid | QAM16 | 22.55 | PASS |
| LTE Band5 | 1.4 | 20525 | 1 | #Max | QAM16 | 22.41 | PASS |
| LTE Band5 | 1.4 | 20525 | 3 | #0 | QAM16 | 22.41 | PASS |
| LTE Band5 | 1.4 | 20525 | 3 | #Mid | QAM16 | 22.41 | PASS |
| LTE Band5 | 1.4 | 20525 | 3 | #Max | QAM16 | 22.44 | PASS |
| LTE Band5 | 1.4 | 20525 | 6 | #0 | QAM16 | 21.36 | PASS |
| LTE Band5 | 1.4 | 20643 | 1 | #0 | QPSK | 23.37 | PASS |
| LTE Band5 | 1.4 | 20643 | 1 | #Mid | QPSK | 23.17 | PASS |
| LTE Band5 | 1.4 | 20643 | 1 | #Max | QPSK | 22.94 | PASS |
| LTE Band5 | 1.4 | 20643 | 3 | #0 | QPSK | 23.17 | PASS |
| LTE Band5 | 1.4 | 20643 | 3 | #Mid | QPSK | 23.17 | PASS |
| LTE Band5 | 1.4 | 20643 | 3 | #Max | QPSK | 23.04 | PASS |
| LTE Band5 | 1.4 | 20643 | 6 | #0 | QPSK | 22.10 | PASS |
| LTE Band5 | 1.4 | 20643 | 1 | #0 | QAM16 | 21.67 | PASS |
| LTE Band5 | 1.4 | 20643 | 1 | #Mid | QAM16 | 21.71 | PASS |
| LTE Band5 | 1.4 | 20643 | 1 | #Max | QAM16 | 21.70 | PASS |
| LTE Band5 | 1.4 | 20643 | 3 | #0 | QAM16 | 22.08 | PASS |
| LTE Band5 | 1.4 | 20643 | 3 | #Mid | QAM16 | 22.10 | PASS |

| | | | | | | | |
|-----------|-----|-------|----|------|-------|-------|------|
| LTE Band5 | 1.4 | 20643 | 3 | #Max | QAM16 | 22.15 | PASS |
| LTE Band5 | 1.4 | 20643 | 6 | #0 | QAM16 | 21.39 | PASS |
| LTE Band5 | 3 | 20415 | 1 | #0 | QPSK | 23.28 | PASS |
| LTE Band5 | 3 | 20415 | 1 | #Mid | QPSK | 22.80 | PASS |
| LTE Band5 | 3 | 20415 | 1 | #Max | QPSK | 22.97 | PASS |
| LTE Band5 | 3 | 20415 | 8 | #0 | QPSK | 22.09 | PASS |
| LTE Band5 | 3 | 20415 | 8 | #Mid | QPSK | 22.09 | PASS |
| LTE Band5 | 3 | 20415 | 8 | #Max | QPSK | 22.04 | PASS |
| LTE Band5 | 3 | 20415 | 15 | #0 | QPSK | 22.08 | PASS |
| LTE Band5 | 3 | 20415 | 1 | #0 | QAM16 | 22.62 | PASS |
| LTE Band5 | 3 | 20415 | 1 | #Mid | QAM16 | 21.65 | PASS |
| LTE Band5 | 3 | 20415 | 1 | #Max | QAM16 | 21.88 | PASS |
| LTE Band5 | 3 | 20415 | 8 | #0 | QAM16 | 20.90 | PASS |
| LTE Band5 | 3 | 20415 | 8 | #Mid | QAM16 | 20.91 | PASS |
| LTE Band5 | 3 | 20415 | 8 | #Max | QAM16 | 20.86 | PASS |
| LTE Band5 | 3 | 20415 | 15 | #0 | QAM16 | 20.85 | PASS |
| LTE Band5 | 3 | 20525 | 1 | #0 | QPSK | 23.18 | PASS |
| LTE Band5 | 3 | 20525 | 1 | #Mid | QPSK | 23.33 | PASS |
| LTE Band5 | 3 | 20525 | 1 | #Max | QPSK | 23.22 | PASS |
| LTE Band5 | 3 | 20525 | 8 | #0 | QPSK | 22.08 | PASS |
| LTE Band5 | 3 | 20525 | 8 | #Mid | QPSK | 22.09 | PASS |
| LTE Band5 | 3 | 20525 | 8 | #Max | QPSK | 22.12 | PASS |
| LTE Band5 | 3 | 20525 | 15 | #0 | QPSK | 22.10 | PASS |
| LTE Band5 | 3 | 20525 | 1 | #0 | QAM16 | 22.39 | PASS |
| LTE Band5 | 3 | 20525 | 1 | #Mid | QAM16 | 22.42 | PASS |
| LTE Band5 | 3 | 20525 | 1 | #Max | QAM16 | 22.89 | PASS |
| LTE Band5 | 3 | 20525 | 8 | #0 | QAM16 | 21.31 | PASS |
| LTE Band5 | 3 | 20525 | 8 | #Mid | QAM16 | 21.32 | PASS |
| LTE Band5 | 3 | 20525 | 8 | #Max | QAM16 | 21.45 | PASS |
| LTE Band5 | 3 | 20525 | 15 | #0 | QAM16 | 21.34 | PASS |
| LTE Band5 | 3 | 20635 | 1 | #0 | QPSK | 23.20 | PASS |
| LTE Band5 | 3 | 20635 | 1 | #Mid | QPSK | 23.04 | PASS |
| LTE Band5 | 3 | 20635 | 1 | #Max | QPSK | 23.01 | PASS |
| LTE Band5 | 3 | 20635 | 8 | #0 | QPSK | 22.18 | PASS |
| LTE Band5 | 3 | 20635 | 8 | #Mid | QPSK | 22.19 | PASS |
| LTE Band5 | 3 | 20635 | 8 | #Max | QPSK | 22.13 | PASS |
| LTE Band5 | 3 | 20635 | 15 | #0 | QPSK | 22.19 | PASS |
| LTE Band5 | 3 | 20635 | 1 | #0 | QAM16 | 21.96 | PASS |
| LTE Band5 | 3 | 20635 | 1 | #Mid | QAM16 | 21.82 | PASS |
| LTE Band5 | 3 | 20635 | 1 | #Max | QAM16 | 21.81 | PASS |
| LTE Band5 | 3 | 20635 | 8 | #0 | QAM16 | 20.97 | PASS |
| LTE Band5 | 3 | 20635 | 8 | #Mid | QAM16 | 20.88 | PASS |
| LTE Band5 | 3 | 20635 | 8 | #Max | QAM16 | 20.83 | PASS |

| | | | | | | | |
|-----------|---|-------|----|------|-------|-------|------|
| LTE Band5 | 3 | 20635 | 15 | #0 | QAM16 | 21.12 | PASS |
| LTE Band5 | 5 | 20425 | 1 | #0 | QPSK | 23.44 | PASS |
| LTE Band5 | 5 | 20425 | 1 | #Mid | QPSK | 22.96 | PASS |
| LTE Band5 | 5 | 20425 | 1 | #Max | QPSK | 22.97 | PASS |
| LTE Band5 | 5 | 20425 | 12 | #0 | QPSK | 22.09 | PASS |
| LTE Band5 | 5 | 20425 | 12 | #Mid | QPSK | 22.09 | PASS |
| LTE Band5 | 5 | 20425 | 12 | #Max | QPSK | 22.09 | PASS |
| LTE Band5 | 5 | 20425 | 25 | #0 | QPSK | 22.03 | PASS |
| LTE Band5 | 5 | 20425 | 1 | #0 | QAM16 | 22.25 | PASS |
| LTE Band5 | 5 | 20425 | 1 | #Mid | QAM16 | 22.01 | PASS |
| LTE Band5 | 5 | 20425 | 1 | #Max | QAM16 | 22.01 | PASS |
| LTE Band5 | 5 | 20425 | 12 | #0 | QAM16 | 20.97 | PASS |
| LTE Band5 | 5 | 20425 | 12 | #Mid | QAM16 | 20.98 | PASS |
| LTE Band5 | 5 | 20425 | 12 | #Max | QAM16 | 20.96 | PASS |
| LTE Band5 | 5 | 20425 | 25 | #0 | QAM16 | 21.15 | PASS |
| LTE Band5 | 5 | 20525 | 1 | #0 | QPSK | 23.06 | PASS |
| LTE Band5 | 5 | 20525 | 1 | #Mid | QPSK | 23.08 | PASS |
| LTE Band5 | 5 | 20525 | 1 | #Max | QPSK | 23.15 | PASS |
| LTE Band5 | 5 | 20525 | 12 | #0 | QPSK | 22.05 | PASS |
| LTE Band5 | 5 | 20525 | 12 | #Mid | QPSK | 22.06 | PASS |
| LTE Band5 | 5 | 20525 | 12 | #Max | QPSK | 22.10 | PASS |
| LTE Band5 | 5 | 20525 | 25 | #0 | QPSK | 22.06 | PASS |
| LTE Band5 | 5 | 20525 | 1 | #0 | QAM16 | 22.37 | PASS |
| LTE Band5 | 5 | 20525 | 1 | #Mid | QAM16 | 22.49 | PASS |
| LTE Band5 | 5 | 20525 | 1 | #Max | QAM16 | 22.58 | PASS |
| LTE Band5 | 5 | 20525 | 12 | #0 | QAM16 | 20.82 | PASS |
| LTE Band5 | 5 | 20525 | 12 | #Mid | QAM16 | 20.83 | PASS |
| LTE Band5 | 5 | 20525 | 12 | #Max | QAM16 | 20.87 | PASS |
| LTE Band5 | 5 | 20525 | 25 | #0 | QAM16 | 20.84 | PASS |
| LTE Band5 | 5 | 20625 | 1 | #0 | QPSK | 23.11 | PASS |
| LTE Band5 | 5 | 20625 | 1 | #Mid | QPSK | 23.05 | PASS |
| LTE Band5 | 5 | 20625 | 1 | #Max | QPSK | 22.95 | PASS |
| LTE Band5 | 5 | 20625 | 12 | #0 | QPSK | 22.21 | PASS |
| LTE Band5 | 5 | 20625 | 12 | #Mid | QPSK | 22.21 | PASS |
| LTE Band5 | 5 | 20625 | 12 | #Max | QPSK | 22.18 | PASS |
| LTE Band5 | 5 | 20625 | 25 | #0 | QPSK | 22.19 | PASS |
| LTE Band5 | 5 | 20625 | 1 | #0 | QAM16 | 22.23 | PASS |
| LTE Band5 | 5 | 20625 | 1 | #Mid | QAM16 | 21.84 | PASS |
| LTE Band5 | 5 | 20625 | 1 | #Max | QAM16 | 21.81 | PASS |
| LTE Band5 | 5 | 20625 | 12 | #0 | QAM16 | 20.87 | PASS |
| LTE Band5 | 5 | 20625 | 12 | #Mid | QAM16 | 20.88 | PASS |
| LTE Band5 | 5 | 20625 | 12 | #Max | QAM16 | 20.95 | PASS |
| LTE Band5 | 5 | 20625 | 25 | #0 | QAM16 | 21.01 | PASS |

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|-----------|----|-------|----|------|-------|-------|------|
| LTE Band5 | 10 | 20450 | 1 | #0 | QPSK | 23.38 | PASS |
| LTE Band5 | 10 | 20450 | 1 | #Mid | QPSK | 23.01 | PASS |
| LTE Band5 | 10 | 20450 | 1 | #Max | QPSK | 22.68 | PASS |
| LTE Band5 | 10 | 20450 | 25 | #0 | QPSK | 22.20 | PASS |
| LTE Band5 | 10 | 20450 | 25 | #Mid | QPSK | 22.12 | PASS |
| LTE Band5 | 10 | 20450 | 25 | #Max | QPSK | 22.11 | PASS |
| LTE Band5 | 10 | 20450 | 50 | #0 | QPSK | 22.16 | PASS |
| LTE Band5 | 10 | 20450 | 1 | #0 | QAM16 | 22.39 | PASS |
| LTE Band5 | 10 | 20450 | 1 | #Mid | QAM16 | 22.34 | PASS |
| LTE Band5 | 10 | 20450 | 1 | #Max | QAM16 | 22.09 | PASS |
| LTE Band5 | 10 | 20450 | 25 | #0 | QAM16 | 21.17 | PASS |
| LTE Band5 | 10 | 20450 | 25 | #Mid | QAM16 | 21.17 | PASS |
| LTE Band5 | 10 | 20450 | 25 | #Max | QAM16 | 21.16 | PASS |
| LTE Band5 | 10 | 20450 | 50 | #0 | QAM16 | 21.06 | PASS |
| LTE Band5 | 10 | 20525 | 1 | #0 | QPSK | 23.21 | PASS |
| LTE Band5 | 10 | 20525 | 1 | #Mid | QPSK | 23.51 | PASS |
| LTE Band5 | 10 | 20525 | 1 | #Max | QPSK | 23.41 | PASS |
| LTE Band5 | 10 | 20525 | 25 | #0 | QPSK | 22.12 | PASS |
| LTE Band5 | 10 | 20525 | 25 | #Mid | QPSK | 22.13 | PASS |
| LTE Band5 | 10 | 20525 | 25 | #Max | QPSK | 22.13 | PASS |
| LTE Band5 | 10 | 20525 | 50 | #0 | QPSK | 22.08 | PASS |
| LTE Band5 | 10 | 20525 | 1 | #0 | QAM16 | 22.94 | PASS |
| LTE Band5 | 10 | 20525 | 1 | #Mid | QAM16 | 22.87 | PASS |
| LTE Band5 | 10 | 20525 | 1 | #Max | QAM16 | 23.14 | PASS |
| LTE Band5 | 10 | 20525 | 25 | #0 | QAM16 | 21.12 | PASS |
| LTE Band5 | 10 | 20525 | 25 | #Mid | QAM16 | 21.05 | PASS |
| LTE Band5 | 10 | 20525 | 25 | #Max | QAM16 | 21.13 | PASS |
| LTE Band5 | 10 | 20525 | 50 | #0 | QAM16 | 21.15 | PASS |
| LTE Band5 | 10 | 20600 | 1 | #0 | QPSK | 23.35 | PASS |
| LTE Band5 | 10 | 20600 | 1 | #Mid | QPSK | 23.67 | PASS |
| LTE Band5 | 10 | 20600 | 1 | #Max | QPSK | 23.44 | PASS |
| LTE Band5 | 10 | 20600 | 25 | #0 | QPSK | 22.03 | PASS |
| LTE Band5 | 10 | 20600 | 25 | #Mid | QPSK | 22.17 | PASS |
| LTE Band5 | 10 | 20600 | 25 | #Max | QPSK | 22.20 | PASS |
| LTE Band5 | 10 | 20600 | 50 | #0 | QPSK | 22.13 | PASS |
| LTE Band5 | 10 | 20600 | 1 | #0 | QAM16 | 21.60 | PASS |
| LTE Band5 | 10 | 20600 | 1 | #Mid | QAM16 | 21.88 | PASS |
| LTE Band5 | 10 | 20600 | 1 | #Max | QAM16 | 22.01 | PASS |
| LTE Band5 | 10 | 20600 | 25 | #0 | QAM16 | 20.98 | PASS |
| LTE Band5 | 10 | 20600 | 25 | #Mid | QAM16 | 21.16 | PASS |
| LTE Band5 | 10 | 20600 | 25 | #Max | QAM16 | 21.18 | PASS |
| LTE Band5 | 10 | 20600 | 50 | #0 | QAM16 | 21.14 | PASS |

Occupied Bandwidth

| Mode | Channel | Frequency (MHz) | 99% Power Bandwidth (MHz) | -26dBc Bandwidth(MHz) |
|--------------------|---------|-----------------|---------------------------|-----------------------|
| GSM 850 (GSM) | 128 | 824.2 | 0.2465 | 0.3097 |
| | 190 | 836.6 | 0.2419 | 0.3098 |
| | 251 | 848.8 | 0.2401 | 0.3050 |
| GPRS 850 (GMSK) | 128 | 824.2 | 0.2458 | 0.3113 |
| | 190 | 836.6 | 0.2435 | 0.3059 |
| | 251 | 848.8 | 0.2429 | 0.3079 |
| EGPRS 850 (8-PSK) | 128 | 824.2 | 0.2534 | 0.3194 |
| | 190 | 836.6 | 0.2467 | 0.3136 |
| | 251 | 848.8 | 0.2434 | 0.3044 |
| WCDMA Band V (RMC) | 4132 | 826.4 | 4.1282 | 4.688 |
| | 4183 | 836.6 | 4.1228 | 4.704 |
| | 4233 | 846.6 | 4.1255 | 4.668 |

| LTE Band 5 | | | | | | |
|------------|------------|-----------------|---------|-----------------|--------------------------|-----------------------|
| RB | Modulation | Bandwidth (MHz) | Channel | Frequency (MHz) | 99% Power Bandwidth(MHz) | -26dBc Bandwidth(MHz) |
| 100% | QPSK | 10 | 20450 | 829 | 8.9671 | 9.7830 |
| | | | 20525 | 836.5 | 8.9581 | 9.9360 |
| | | | 20600 | 844 | 8.9647 | 9.8360 |
| | 16QAM | 10 | 20450 | 829 | 8.9766 | 9.8200 |
| | | | 20525 | 836.5 | 8.9756 | 9.7770 |
| | | | 20600 | 844 | 8.9738 | 9.6240 |



GSM 850 CH-Low



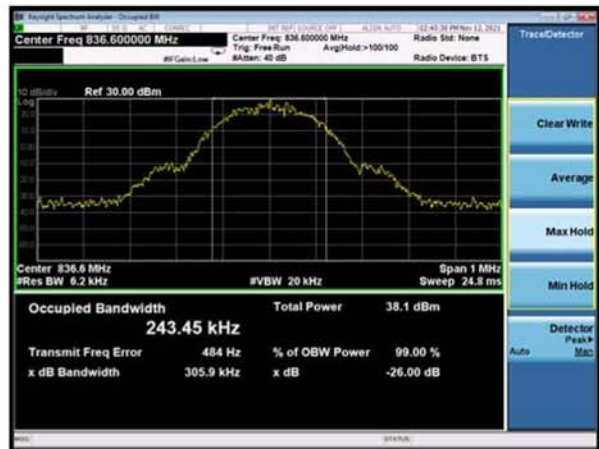
GSM 850 GPRS CH-Low



GSM 850 CH-Middle



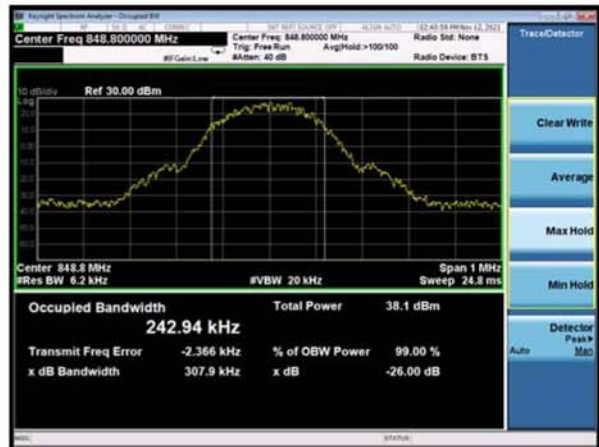
GSM 850 GPRS CH-Middle



GSM 850 CH-High



GSM 850 GPRS CH-High





GSM 850 EGPRS CH-Low



WCDMA Band V CH-Low



GSM 850 EGPRS CH-Middle



WCDMA Band V CH-Middle

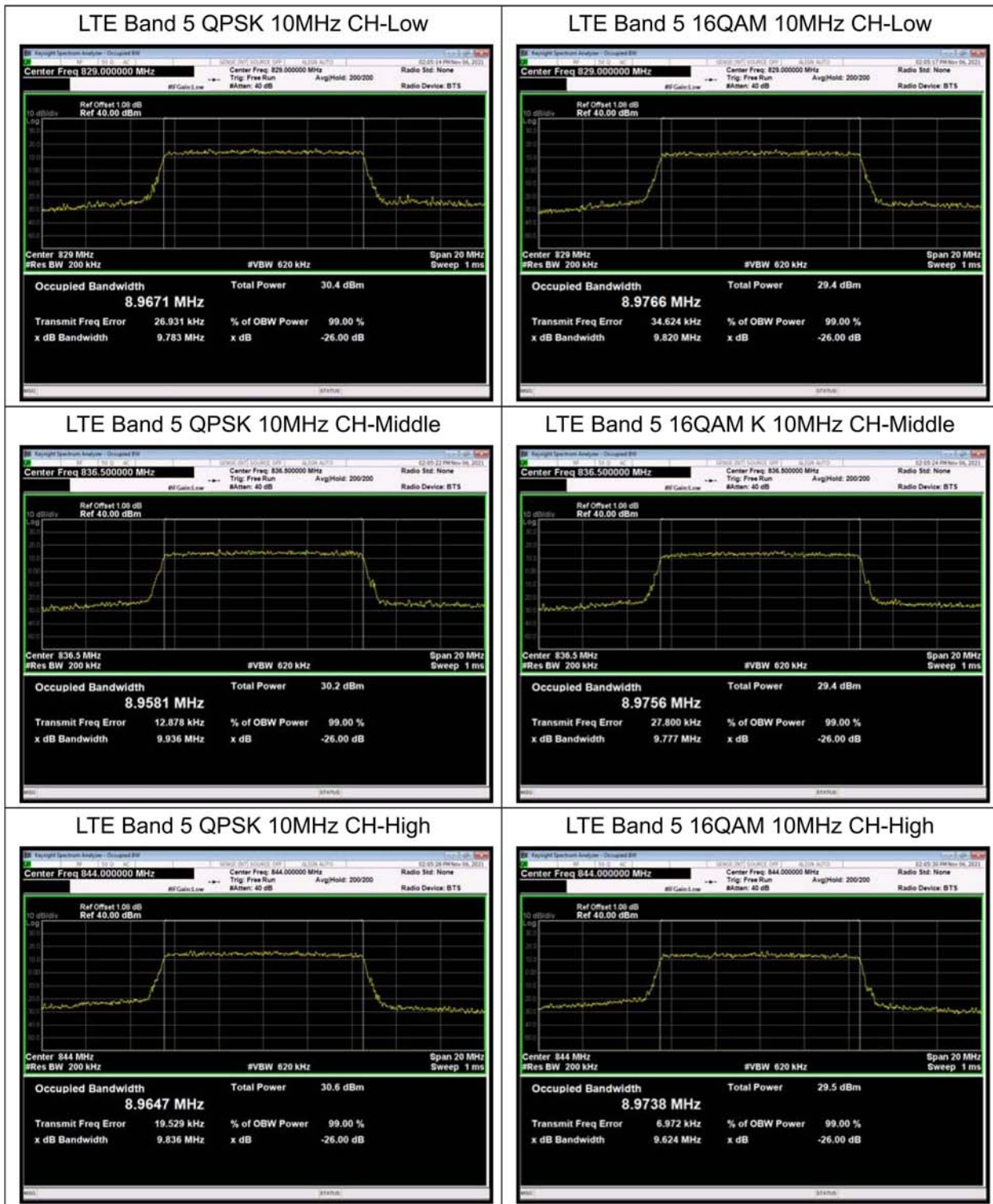


GSM 850 EGPRS CH-High



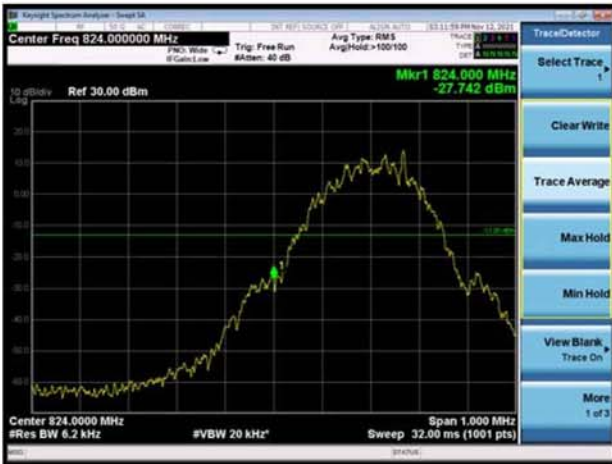
WCDMA Band V CH-High





Band Edge Compliance

GSM850 GSM CH-Low



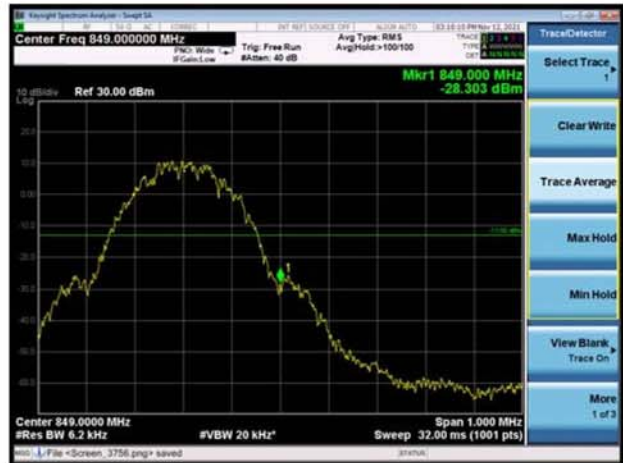
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GSM850 GPRS CH-Low



GSM 850 GPRS CH-High



GSM850 EGPRS CH-Low



GSM 850 EGPRS CH-High



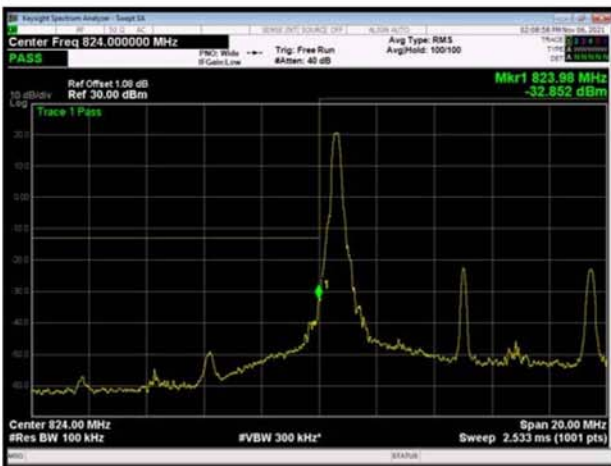
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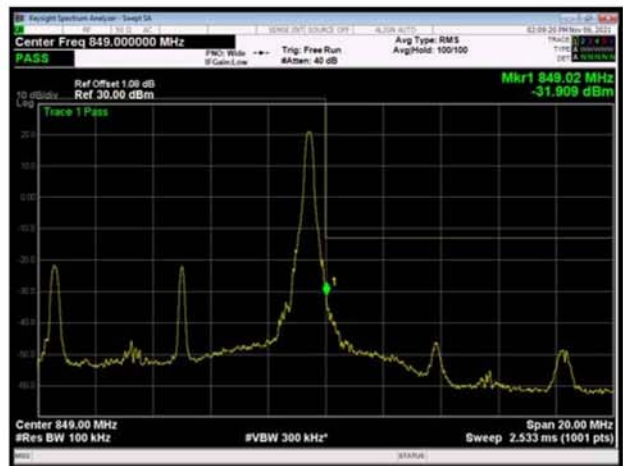
WCDMA Band V CH-High



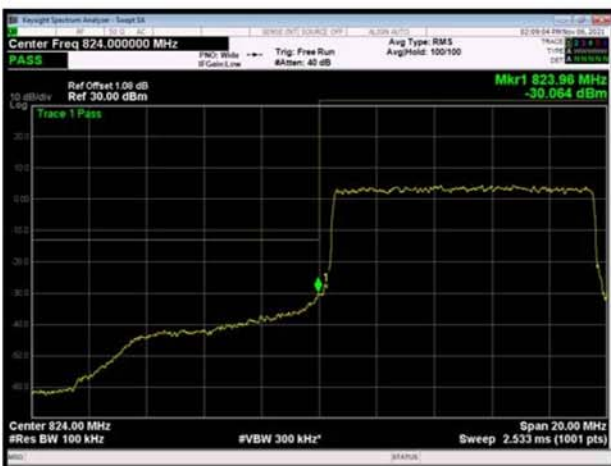
LTE Band 5 10MHz QPSK 1RB CH-Low



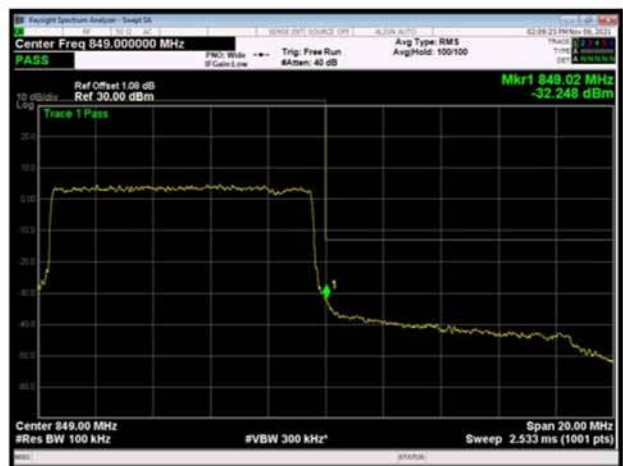
LTE Band 5 10MHz QPSK 1RB CH-High



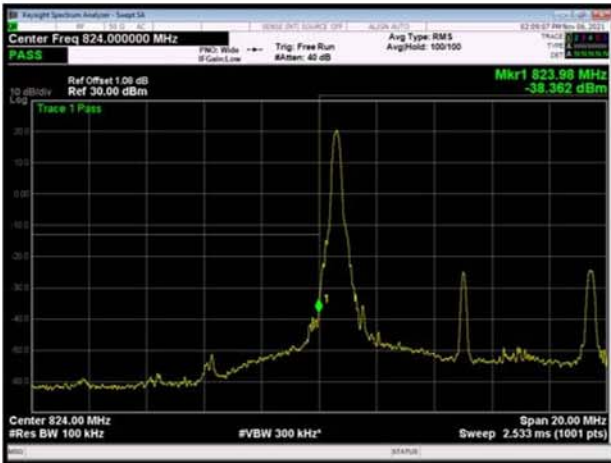
LTE Band 5 10MHz QPSK 100%RB CH-Low



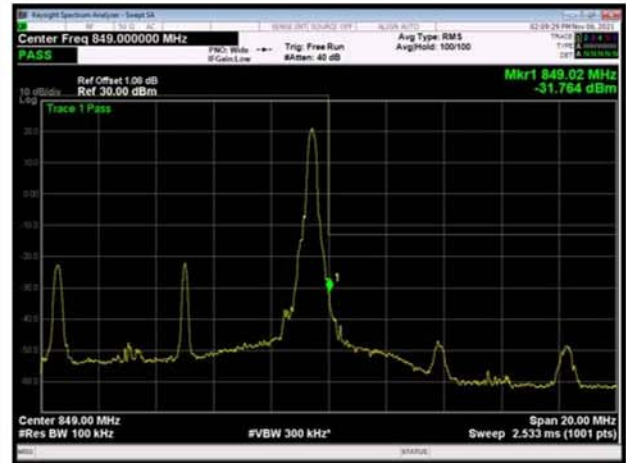
LTE Band 5 10MHz QPSK 100%RB CH-High



LTE Band 5 10MHz 16QAM 1RB CH-Low



LTE Band 5 10MHz 16QAM 1RB CH-High



LTE Band 5 10MHz 16QAM 100%RB CH-Low



LTE Band 5 10MHz 16QAM 100%RB CH-High



Peak-to-Average Power Ratio (PAPR)

| Mode | Channel | Frequency (MHz) | Peak(dBm) | Avg(dBm) | PAPR(dB) | Limit(dB) | Conclusion |
|--------------------|---------|-----------------|-----------|----------|----------|-----------|------------|
| GSM 850 (GMSK) | 128 | 824.2 | 31.97 | 29.30 | 2.67 | ≤13 | PASS |
| | 190 | 836.6 | 32.16 | 29.46 | 2.70 | ≤13 | PASS |
| | 251 | 848.8 | 32.10 | 29.40 | 2.70 | ≤13 | PASS |
| GPRS 850 (GMSK) | 128 | 824.2 | 32.07 | 29.40 | 2.67 | ≤13 | PASS |
| | 190 | 836.6 | 32.28 | 29.59 | 2.69 | ≤13 | PASS |
| | 251 | 848.8 | 32.25 | 29.54 | 2.71 | ≤13 | PASS |
| EGPRS 850 (8PSK) | 128 | 824.2 | 28.96 | 23.20 | 5.76 | ≤13 | PASS |
| | 190 | 836.6 | 28.92 | 23.17 | 5.75 | ≤13 | PASS |
| | 251 | 848.8 | 29.05 | 23.31 | 5.74 | ≤13 | PASS |
| WCDMA Band V (RMC) | 4132 | 826.4 | 26.74 | 23.82 | 2.92 | ≤13 | PASS |
| | 4183 | 836.6 | 26.39 | 23.67 | 2.72 | ≤13 | PASS |
| | 4233 | 846.6 | 26.59 | 23.67 | 2.92 | ≤13 | PASS |

| LTE Band 5 | | | | | | | | |
|------------|-----------------|---------|-----------------|------------|-----------|-----------|------------|------------|
| Modulation | Bandwidth (MHz) | Channel | Frequency (MHz) | Peak (dBm) | Avg (dBm) | PAPR (dB) | Limit (dB) | Conclusion |
| QPSK | 1.4 | 20407 | 824.7 | 27.20 | 22.57 | 4.63 | ≤13 | PASS |
| | | 20525 | 836.5 | 27.15 | 22.66 | 4.49 | ≤13 | PASS |
| | | 20643 | 848.3 | 27.03 | 22.57 | 4.46 | ≤13 | PASS |
| | 3 | 20415 | 825.5 | 27.38 | 22.68 | 4.70 | ≤13 | PASS |
| | | 20525 | 836.5 | 27.04 | 22.46 | 4.58 | ≤13 | PASS |
| | | 20635 | 847.5 | 27.18 | 22.58 | 4.60 | ≤13 | PASS |
| | 5 | 20425 | 826.5 | 27.34 | 22.58 | 4.76 | ≤13 | PASS |
| | | 20525 | 836.5 | 27.07 | 22.55 | 4.52 | ≤13 | PASS |
| | | 20625 | 846.5 | 27.26 | 22.62 | 4.64 | ≤13 | PASS |
| | 10 | 20450 | 829 | 27.32 | 22.63 | 4.69 | ≤13 | PASS |
| | | 20525 | 836.5 | 27.14 | 22.50 | 4.64 | ≤13 | PASS |
| | | 20600 | 844 | 27.37 | 22.58 | 4.79 | ≤13 | PASS |
| 16QAM | 1.4 | 20407 | 824.7 | 27.03 | 21.36 | 5.67 | ≤13 | PASS |
| | | 20525 | 836.5 | 27.10 | 21.71 | 5.39 | ≤13 | PASS |
| | | 20643 | 848.3 | 27.05 | 21.67 | 5.38 | ≤13 | PASS |
| | 3 | 20415 | 825.5 | 27.28 | 21.67 | 5.61 | ≤13 | PASS |
| | | 20525 | 836.5 | 26.97 | 21.44 | 5.53 | ≤13 | PASS |
| | | 20635 | 847.5 | 27.11 | 21.61 | 5.50 | ≤13 | PASS |



| | | | | | | | | |
|--|----|-------|-------|-------|-------|------|-----|------|
| | 5 | 20425 | 826.5 | 27.18 | 21.44 | 5.74 | ≤13 | PASS |
| | | 20525 | 836.5 | 26.97 | 21.53 | 5.44 | ≤13 | PASS |
| | | 20625 | 846.5 | 27.18 | 21.61 | 5.57 | ≤13 | PASS |
| | 10 | 20450 | 829 | 27.21 | 21.59 | 5.62 | ≤13 | PASS |
| | | 20525 | 836.5 | 27.08 | 21.59 | 5.49 | ≤13 | PASS |
| | | 20600 | 844 | 27.34 | 21.64 | 5.70 | ≤13 | PASS |

Frequency Stability

| GSM850 | | | | | | |
|-----------------|---------|-----------------|-----------------|---------------------------|---------------------------|---------|
| Condition | | Freq.Error (Hz) | Freq.Error (Hz) | Frequency Stability (ppm) | Frequency Stability (ppm) | Verdict |
| Temperature | Voltage | GMSK | 8PSK | GMSK | 8PSK | |
| Normal (25°C) | Normal | 10.80 | 13.57 | 0.01291 | 0.01622 | PASS |
| Extreme (85°C) | | 7.20 | 2.17 | 0.00860 | 0.00260 | PASS |
| Extreme (80°C) | | 2.65 | 1.22 | 0.00317 | 0.00146 | PASS |
| Extreme (70°C) | | 6.93 | 8.21 | 0.00828 | 0.00981 | PASS |
| Extreme (60°C) | | 6.38 | 4.87 | 0.00762 | 0.00582 | PASS |
| Extreme (50°C) | | 15.57 | 6.84 | 0.01861 | 0.00818 | PASS |
| Extreme (40°C) | | 4.72 | 5.09 | 0.00565 | 0.00608 | PASS |
| Extreme (30°C) | | 8.66 | 1.14 | 0.01036 | 0.00137 | PASS |
| Extreme (20°C) | | 8.69 | 5.93 | 0.01039 | 0.00709 | PASS |
| Extreme (10°C) | | 1.50 | 1.12 | 0.00179 | 0.00134 | PASS |
| Extreme (0°C) | | 10.72 | 16.12 | 0.01281 | 0.01927 | PASS |
| Extreme (-10°C) | | 6.97 | 16.09 | 0.00833 | 0.01923 | PASS |
| Extreme (-20°C) | | 15.96 | 4.32 | 0.01908 | 0.00517 | PASS |
| Extreme (-30°C) | | 1.75 | 13.54 | 0.00209 | 0.01619 | PASS |
| Extreme (-40°C) | | 10.37 | 8.29 | 0.01240 | 0.00990 | PASS |
| 25°C | LV | 12.26 | 17.75 | 0.01466 | 0.02122 | PASS |
| | HV | 10.94 | 10.74 | 0.01308 | 0.01283 | PASS |



| WCDMA Band 5 | | | | | | |
|-----------------|---------|-----------------|-----------------|---------------------------|---------------------------|---------|
| Condition | | Freq.Error (Hz) | Freq.Error (Hz) | Frequency Stability (ppm) | Frequency Stability (ppm) | Verdict |
| Temperature | Voltage | BPSK | QPSK | BPSK | QPSK | |
| Normal (25°C) | Normal | 17.38 | 17.82 | 0.02077 | 0.02130 | PASS |
| Extreme (85°C) | | 6.00 | 8.00 | 0.00717 | 0.00956 | PASS |
| Extreme (80°C) | | 7.00 | 9.00 | 0.00837 | 0.01076 | PASS |
| Extreme (70°C) | | 8.00 | 4.00 | 0.00956 | 0.00478 | PASS |
| Extreme (60°C) | | 5.00 | 1.00 | 0.00598 | 0.00120 | PASS |
| Extreme (50°C) | | 1.00 | 3.00 | 0.00120 | 0.00359 | PASS |
| Extreme (40°C) | | 10.42 | 17.42 | 0.01246 | 0.02082 | PASS |
| Extreme (30°C) | | 10.08 | 3.58 | 0.01205 | 0.00428 | PASS |
| Extreme (20°C) | | 4.95 | 3.56 | 0.00592 | 0.00425 | PASS |
| Extreme (10°C) | | 2.44 | 2.65 | 0.00291 | 0.00317 | PASS |
| Extreme (0°C) | | 7.18 | 16.86 | 0.00858 | 0.02016 | PASS |
| Extreme (-10°C) | | 2.60 | 1.57 | 0.00311 | 0.00188 | PASS |
| Extreme (-20°C) | | 9.82 | 1.46 | 0.01174 | 0.00175 | PASS |
| Extreme (-30°C) | | 14.96 | 2.70 | 0.01788 | 0.00323 | PASS |
| Extreme (-40°C) | | 12.42 | 16.75 | 0.01485 | 0.02002 | PASS |
| 25°C | LV | 17.85 | 6.48 | 0.02133 | 0.00774 | PASS |
| | HV | 9.73 | 4.51 | 0.01163 | 0.00539 | PASS |

| LTE Band 5 | | | | | | |
|----------------|---------|-----------------|-----------------|---------------------------|---------------------------|---------|
| Condition | | Freq.Error (Hz) | Freq.Error (Hz) | Frequency Stability (ppm) | Frequency Stability (ppm) | Verdict |
| BANDWIDTH | 1.4MHz | | | | | |
| Temperature | Voltage | 16QAM | QPSK | 16QAM | QPSK | |
| Normal (25°C) | Normal | 16.05 | 2.87 | 0.01919 | 0.00344 | PASS |
| Extreme (85°C) | | 10.34 | 5.08 | 0.01236 | 0.00608 | PASS |
| Extreme (80°C) | | 15.95 | 5.30 | 0.01907 | 0.00634 | PASS |
| Extreme (70°C) | | 2.61 | 9.58 | 0.00312 | 0.01145 | PASS |
| Extreme (60°C) | | 11.44 | 17.72 | 0.01367 | 0.02119 | PASS |
| Extreme (50°C) | | 7.34 | 15.42 | 0.00878 | 0.01843 | PASS |
| Extreme (40°C) | | 5.78 | 8.22 | 0.00691 | 0.00982 | PASS |
| Extreme (30°C) | | 2.21 | 3.22 | 0.00264 | 0.00385 | PASS |
| Extreme (20°C) | | 5.33 | 9.07 | 0.00638 | 0.01084 | PASS |
| Extreme (10°C) | | 13.97 | 15.87 | 0.01670 | 0.01898 | PASS |
| Extreme (0°C) | | 5.94 | 5.92 | 0.00710 | 0.00708 | PASS |

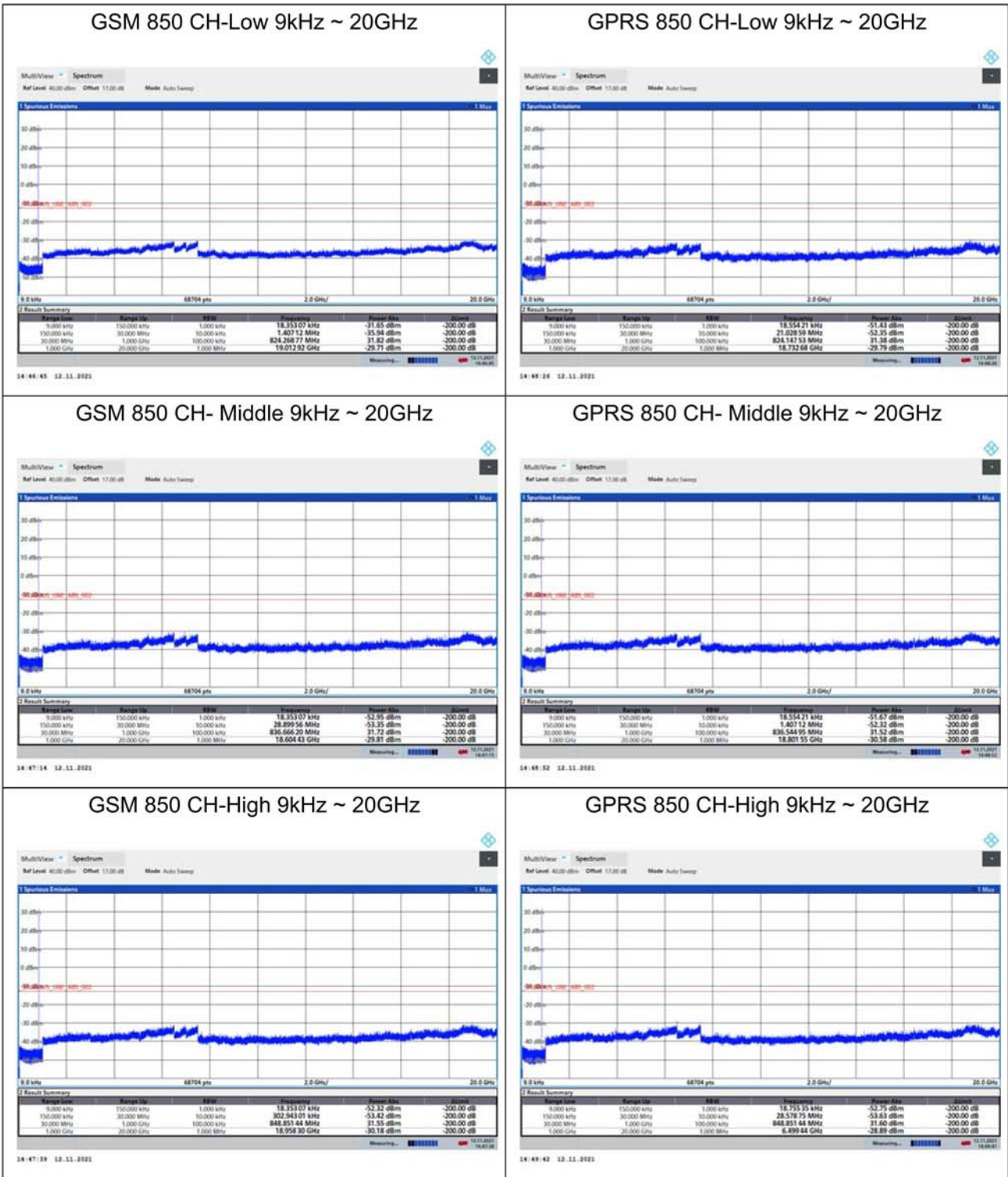


| | | | | | | |
|-----------------|---------|-----------------|-----------------|---------------------------|---------------------------|---------|
| Extreme (-10°C) | | 2.47 | 2.68 | 0.00296 | 0.00321 | PASS |
| Extreme (-20°C) | | 9.62 | 12.25 | 0.01150 | 0.01465 | PASS |
| Extreme (-30°C) | | 3.66 | 2.44 | 0.00437 | 0.00292 | PASS |
| Extreme (-40°C) | | 16.39 | 7.74 | 0.01959 | 0.00926 | PASS |
| 25°C | LV | 11.30 | 13.54 | 0.01351 | 0.01618 | PASS |
| | HV | 1.51 | 16.69 | 0.00181 | 0.01995 | PASS |
| Condition | | Freq.Error (Hz) | Freq.Error (Hz) | Frequency Stability (ppm) | Frequency Stability (ppm) | Verdict |
| BANDWIDTH | 3MHz | | | | | |
| Temperature | Voltage | 16QAM | QPSK | 16QAM | QPSK | |
| Normal (25°C) | Normal | 17.81 | 17.46 | 0.02129 | 0.02087 | PASS |
| Extreme (85°C) | | 17.49 | 12.16 | 0.02091 | 0.01454 | PASS |
| Extreme (80°C) | | 5.09 | 7.38 | 0.00608 | 0.00882 | PASS |
| Extreme (70°C) | | 2.29 | 8.08 | 0.00274 | 0.00966 | PASS |
| Extreme (60°C) | | 11.16 | 13.10 | 0.01334 | 0.01567 | PASS |
| Extreme (50°C) | | 8.76 | 13.93 | 0.01047 | 0.01665 | PASS |
| Extreme (40°C) | | 10.24 | 15.59 | 0.01225 | 0.01864 | PASS |
| Extreme (30°C) | | 13.09 | 1.34 | 0.01564 | 0.00160 | PASS |
| Extreme (20°C) | | 12.07 | 3.74 | 0.01443 | 0.00447 | PASS |
| Extreme (10°C) | | 11.77 | 8.19 | 0.01407 | 0.00979 | PASS |
| Extreme (0°C) | | 12.41 | 13.89 | 0.01484 | 0.01660 | PASS |
| Extreme (-10°C) | | 7.56 | 15.18 | 0.00904 | 0.01815 | PASS |
| Extreme (-20°C) | | 13.27 | 3.03 | 0.01587 | 0.00362 | PASS |
| Extreme (-30°C) | | 16.92 | 4.51 | 0.02023 | 0.00539 | PASS |
| Extreme (-40°C) | 4.51 | 3.31 | 0.00539 | 0.00396 | PASS | |
| 25°C | LV | 16.68 | 15.16 | 0.01994 | 0.01812 | PASS |
| | HV | 1.07 | 15.90 | 0.00129 | 0.01901 | PASS |
| Condition | | Freq.Error (Hz) | Freq.Error (Hz) | Frequency Stability (ppm) | Frequency Stability (ppm) | Verdict |
| BANDWIDTH | 5MHz | | | | | |
| Temperature | Voltage | 16QAM | QPSK | 16QAM | QPSK | |
| Normal (25°C) | Normal | 16.00 | 15.60 | 0.01913 | 0.01865 | PASS |
| Extreme (85°C) | | 1.07 | 4.06 | 0.00128 | 0.00486 | PASS |
| Extreme (80°C) | | 13.02 | 13.54 | 0.01556 | 0.01619 | PASS |
| Extreme (70°C) | | 17.27 | 17.22 | 0.02064 | 0.02058 | PASS |
| Extreme (60°C) | | 6.02 | 8.96 | 0.00719 | 0.01071 | PASS |
| Extreme (50°C) | | 1.05 | 11.66 | 0.00126 | 0.01394 | PASS |
| Extreme (40°C) | | 12.86 | 6.30 | 0.01537 | 0.00754 | PASS |
| Extreme (30°C) | | 10.91 | 10.24 | 0.01305 | 0.01225 | PASS |
| Extreme (20°C) | | 10.81 | 12.65 | 0.01293 | 0.01512 | PASS |
| Extreme (10°C) | | 1.37 | 17.91 | 0.00163 | 0.02141 | PASS |
| Extreme (0°C) | | 6.72 | 5.88 | 0.00803 | 0.00703 | PASS |

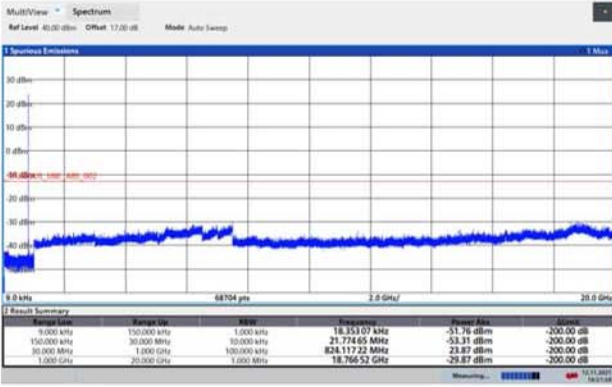


| | | | | | | |
|----------------|---------|-----------------|-----------------|---------------------------|---------------------------|---------|
| Extreme (-10℃) | | 11.91 | 16.02 | 0.01423 | 0.01915 | PASS |
| Extreme (-20℃) | | 2.34 | 9.51 | 0.00280 | 0.01137 | PASS |
| Extreme (-30℃) | | 9.35 | 5.34 | 0.01118 | 0.00638 | PASS |
| Extreme (-40℃) | | 8.55 | 17.82 | 0.01022 | 0.02130 | PASS |
| 25℃ | LV | 12.92 | 2.06 | 0.01544 | 0.00246 | PASS |
| | HV | 4.05 | 4.73 | 0.00484 | 0.00565 | PASS |
| Condition | | Freq.Error (Hz) | Freq.Error (Hz) | Frequency Stability (ppm) | Frequency Stability (ppm) | Verdict |
| BANDWIDTH | 10MHz | | | | | |
| Temperature | Voltage | 16QAM | QPSK | 16QAM | QPSK | |
| Normal (25℃) | Normal | 4.66 | 4.04 | 0.00557 | 0.00483 | PASS |
| Extreme (85℃) | | 13.42 | 5.79 | 0.01604 | 0.00693 | PASS |
| Extreme (80℃) | | 7.93 | 12.86 | 0.00948 | 0.01537 | PASS |
| Extreme (70℃) | | 15.81 | 17.39 | 0.01891 | 0.02079 | PASS |
| Extreme (60℃) | | 12.76 | 9.94 | 0.01525 | 0.01188 | PASS |
| Extreme (50℃) | | 1.09 | 11.89 | 0.00131 | 0.01422 | PASS |
| Extreme (40℃) | | 3.36 | 9.93 | 0.00402 | 0.01187 | PASS |
| Extreme (30℃) | | 14.30 | 5.67 | 0.01710 | 0.00678 | PASS |
| Extreme (20℃) | | 9.82 | 2.10 | 0.01174 | 0.00252 | PASS |
| Extreme (10℃) | | 14.80 | 10.29 | 0.01770 | 0.01230 | PASS |
| Extreme (0℃) | | 3.58 | 1.63 | 0.00428 | 0.00195 | PASS |
| Extreme (-10℃) | | 2.24 | 16.86 | 0.00268 | 0.02015 | PASS |
| Extreme (-20℃) | | 14.51 | 12.70 | 0.01735 | 0.01518 | PASS |
| Extreme (-30℃) | | 14.09 | 9.98 | 0.01684 | 0.01193 | PASS |
| Extreme (-40℃) | 15.84 | 17.63 | 0.01894 | 0.02108 | PASS | |
| 25℃ | LV | 2.40 | 17.28 | 0.00287 | 0.02066 | PASS |
| | HV | 3.88 | 17.36 | 0.00464 | 0.02076 | PASS |

Spurious Emissions at Antenna Terminals

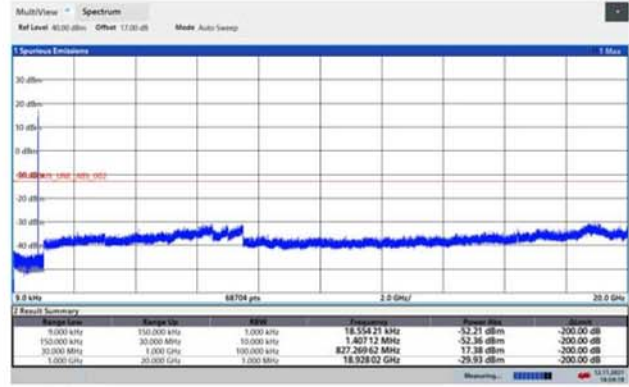


EGPRS 850 CH-Low 9kHz ~ 20GHz



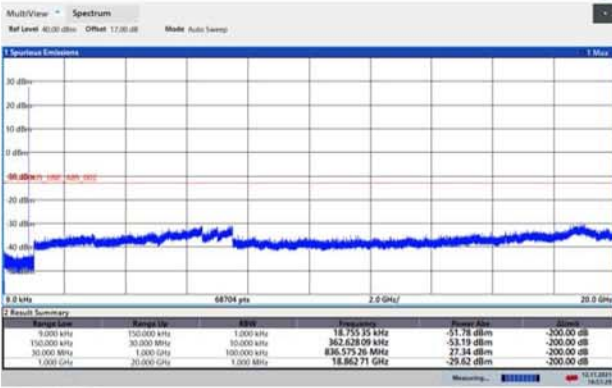
14:53:09 12.11.2021

WCDMA Band V CH-Low 9kHz~20GHz



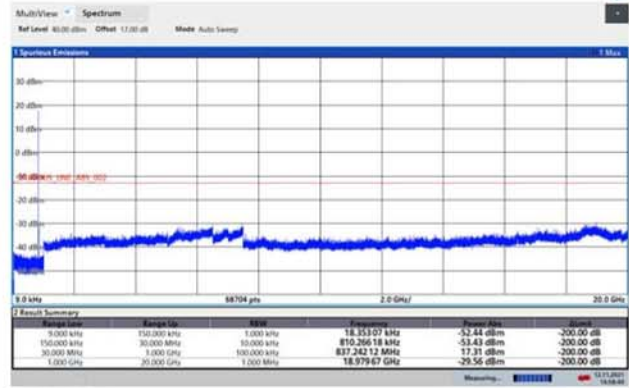
14:59:19 12.11.2021

EGPRS 850 CH- Middle 9kHz ~ 20GHz



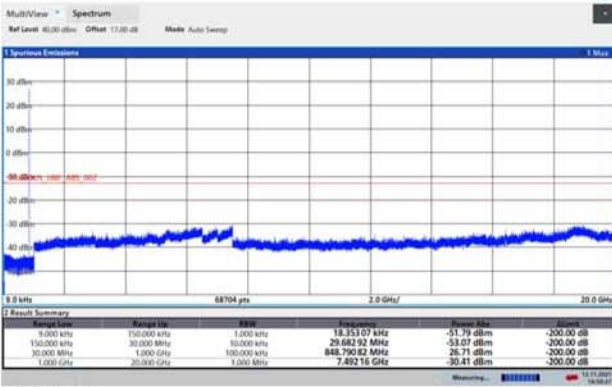
14:51:29 12.11.2021

WCDMA Band V CH-Middle 9kHz~20GHz



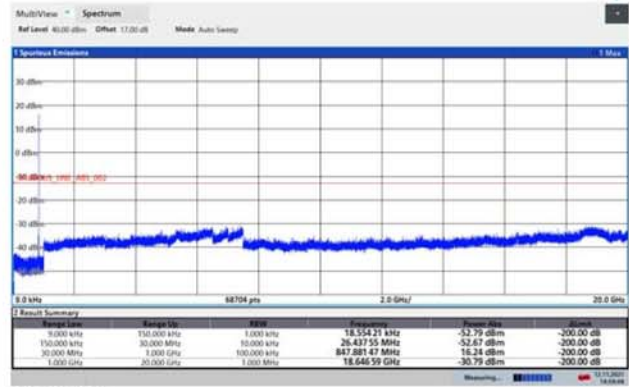
14:58:51 12.11.2021

EGPRS 850 CH-High 9kHz ~ 20GHz



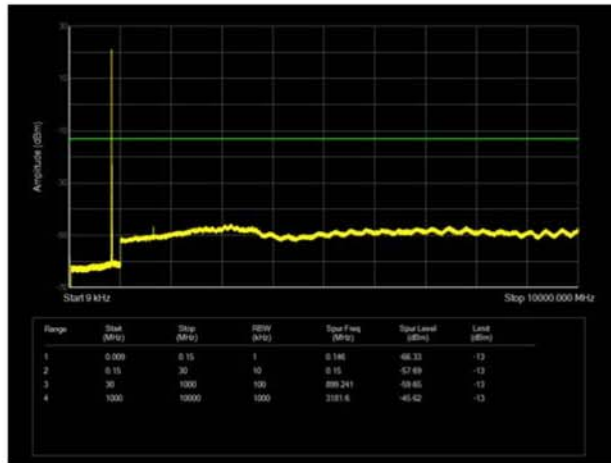
14:50:28 12.11.2021

WCDMA Band V CH-High 9kHz~20GHz

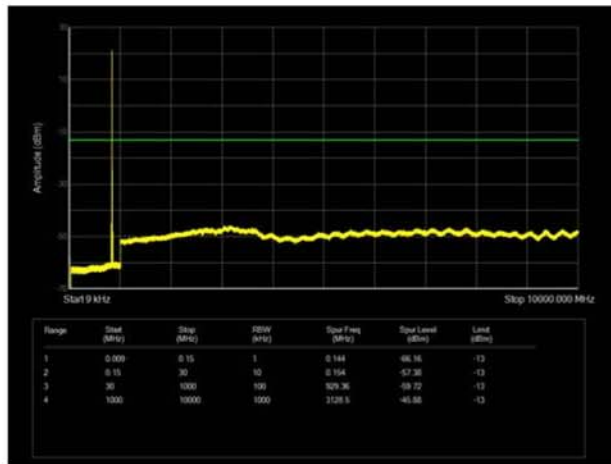


14:59:45 12.11.2021

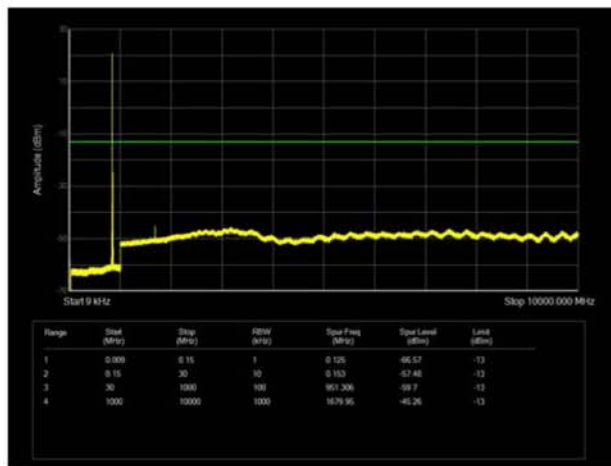
LTE Band 5 10MHz CH-Low 9kHz~20GHz



LTE Band 5 10MHz CH-Middle 9kHz~20GHz



LTE Band 5 10MHz CH-High 9kHz~20GHz



Radiates Spurious Emission

GSM 850 CH-Middle

| Harmonic | Frequency (MHz) | SG (dBm) | Cable Loss (dB) | Gain (dBi) | Antenna Polarization | ERP Level (dBm) | Limit (dBm) | Margin (dB) | Azimuth (deg) |
|----------|-----------------|----------|-----------------|------------|----------------------|-----------------|-------------|-------------|---------------|
| 2 | 1672.9 | -66.71 | 2.00 | 10.75 | Horizontal | -60.11 | -13.00 | 47.11 | 45 |
| 3 | 2509.8 | -63.37 | 2.51 | 11.05 | Horizontal | -56.98 | -13.00 | 43.98 | 135 |
| 4 | 3346.4 | -60.52 | 4.20 | 11.15 | Horizontal | -55.72 | -13.00 | 42.72 | 225 |
| 5 | 4183.0 | -56.96 | 5.20 | 11.15 | Horizontal | -53.16 | -13.00 | 40.16 | 45 |
| 6 | 5019.6 | -55.35 | 5.50 | 11.95 | Horizontal | -51.05 | -13.00 | 38.05 | 90 |
| 7 | 5856.2 | -56.46 | 5.70 | 13.55 | Horizontal | -50.76 | -13.00 | 37.76 | 45 |
| 8 | 6692.8 | -57.17 | 6.30 | 13.75 | Horizontal | -51.87 | -13.00 | 38.87 | 135 |
| 9 | 7529.4 | -52.68 | 6.80 | 13.85 | Horizontal | -47.78 | -13.00 | 34.78 | 225 |
| 10 | 8366.0 | -52.76 | 6.90 | 14.25 | Horizontal | -47.56 | -13.00 | 34.56 | 45 |

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.

2.The worst emission was found in the antenna is Horizontal position.

WCDMA Band V CH-Middle

| Harmonic | Frequency (MHz) | SG (dBm) | Cable Loss (dB) | Gain (dBi) | Antenna Polarization | ERP Level (dBm) | Limit (dBm) | Margin (dB) | Azimuth (deg) |
|----------|-----------------|----------|-----------------|------------|----------------------|-----------------|-------------|-------------|---------------|
| 2 | 1652.8 | -65.03 | 1.70 | 8.70 | Horizontal | -60.18 | -13.00 | 47.18 | 45 |
| 3 | 2479.2 | -66.12 | 2.30 | 12.00 | Horizontal | -58.57 | -13.00 | 45.57 | 90 |
| 4 | 3305.6 | -59.97 | 2.70 | 12.70 | Horizontal | -52.12 | -13.00 | 39.12 | 45 |
| 5 | 4132.0 | -63.07 | 3.00 | 12.50 | Horizontal | -55.72 | -13.00 | 42.72 | 135 |
| 6 | 4958.4 | -60.30 | 3.40 | 12.50 | Horizontal | -53.35 | -13.00 | 40.35 | 90 |
| 7 | 5784.8 | -57.43 | 3.40 | 12.80 | Horizontal | -50.18 | -13.00 | 37.18 | 135 |
| 8 | 6611.2 | -56.89 | 4.10 | 11.50 | Horizontal | -51.64 | -13.00 | 38.64 | 90 |
| 9 | 7437.6 | -53.07 | 4.20 | 12.20 | Horizontal | -47.22 | -13.00 | 34.22 | 135 |
| 10 | 8264.0 | -54.37 | 4.30 | 12.50 | Horizontal | -48.32 | -13.00 | 35.32 | 90 |

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.

2.The worst emission was found in the antenna is Horizontal position.

LTE Band 5 1.4MHz CH-Middle

| Harmonic | Frequency (MHz) | SG (dBm) | Cable Loss (dB) | Gain (dBi) | Antenna Polarization | ERP Level (dBm) | Limit (dBm) | Margin (dB) | Azimuth (deg) |
|----------|-----------------|----------|-----------------|------------|----------------------|-----------------|-------------|-------------|---------------|
| 2 | 1671.9 | -66.83 | 2.00 | 10.75 | Horizontal | -60.23 | -13.00 | 47.23 | 135 |
| 3 | 2507.9 | -48.86 | 2.51 | 11.05 | Horizontal | -42.47 | -13.00 | 29.47 | 45 |
| 4 | 3343.9 | -47.31 | 4.20 | 11.15 | Horizontal | -42.51 | -13.00 | 29.51 | 270 |
| 5 | 4180.1 | -52.11 | 5.20 | 11.15 | Horizontal | -48.31 | -13.00 | 35.31 | 180 |
| 6 | 5016.4 | -54.87 | 5.50 | 11.95 | Horizontal | -50.57 | -13.00 | 37.57 | 90 |
| 7 | 5852.6 | -57.13 | 5.70 | 13.55 | Horizontal | -51.43 | -13.00 | 38.43 | 315 |
| 8 | 6688.9 | -58.36 | 6.30 | 13.75 | Horizontal | -53.06 | -13.00 | 40.06 | 225 |
| 9 | 7525.1 | -53.19 | 6.80 | 13.85 | Horizontal | -48.29 | -13.00 | 35.29 | 135 |
| 10 | 8361.4 | -54.20 | 6.90 | 14.25 | Horizontal | -49.00 | -13.00 | 36.00 | 45 |

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.
2.The worst emission was found in the antenna is Horizontal position.

LTE Band 5 5MHz CH-Middle

| Harmonic | Frequency (MHz) | SG (dBm) | Cable Loss (dB) | Gain (dBi) | Antenna Polarization | ERP Level (dBm) | Limit (dBm) | Margin (dB) | Azimuth (deg) |
|----------|-----------------|----------|-----------------|------------|----------------------|-----------------|-------------|-------------|---------------|
| 2 | 1668.6 | -66.28 | 2.00 | 10.75 | Horizontal | -59.68 | -13.00 | 46.68 | 90 |
| 3 | 2502.8 | -50.23 | 2.51 | 11.05 | Horizontal | -43.84 | -13.00 | 30.84 | 315 |
| 4 | 3337.1 | -47.85 | 4.20 | 11.15 | Horizontal | -43.05 | -13.00 | 30.05 | 90 |
| 5 | 4171.9 | -51.22 | 5.20 | 11.15 | Horizontal | -47.42 | -13.00 | 34.42 | 135 |
| 6 | 5006.6 | -54.81 | 5.50 | 11.95 | Horizontal | -50.51 | -13.00 | 37.51 | 270 |
| 7 | 5841.4 | -57.32 | 5.70 | 13.55 | Horizontal | -51.62 | -13.00 | 38.62 | 180 |
| 8 | 6676.1 | -58.23 | 6.30 | 13.75 | Horizontal | -52.93 | -13.00 | 39.93 | 90 |
| 9 | 7510.9 | -54.07 | 6.80 | 13.85 | Horizontal | -49.17 | -13.00 | 36.17 | 315 |
| 10 | 8345.6 | -54.70 | 6.90 | 14.25 | Horizontal | -49.50 | -13.00 | 36.50 | 225 |

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.
2.The worst emission was found in the antenna is Horizontal position.

LTE Band 5 10MHz CH-Middle

| Harmonic | Frequency (MHz) | SG (dBm) | Cable Loss (dB) | Gain (dBi) | Antenna Polarization | ERP Level (dBm) | Limit (dBm) | Margin (dB) | Azimuth (deg) |
|----------|-----------------|----------|-----------------|------------|----------------------|-----------------|-------------|-------------|---------------|
| 2 | 1664.3 | -65.76 | 2.00 | 10.75 | Horizontal | -59.16 | -13.00 | 46.16 | 180 |
| 3 | 2496.2 | -53.65 | 2.51 | 11.05 | Horizontal | -47.26 | -13.00 | 34.26 | 135 |
| 4 | 3328.1 | -50.78 | 4.20 | 11.15 | Horizontal | -45.98 | -13.00 | 32.98 | 135 |
| 5 | 4160.3 | -49.53 | 5.20 | 11.15 | Horizontal | -45.73 | -13.00 | 32.73 | 315 |
| 6 | 4992.4 | -54.97 | 5.50 | 11.95 | Horizontal | -50.67 | -13.00 | 37.67 | 180 |
| 7 | 5824.5 | -56.24 | 5.70 | 13.55 | Horizontal | -50.54 | -13.00 | 37.54 | 90 |
| 8 | 6656.6 | -58.04 | 6.30 | 13.75 | Horizontal | -52.74 | -13.00 | 39.74 | 0 |
| 9 | 7488.8 | -53.19 | 6.80 | 13.85 | Horizontal | -48.29 | -13.00 | 35.29 | 45 |
| 10 | 8320.9 | -54.89 | 6.90 | 14.25 | Horizontal | -49.69 | -13.00 | 36.69 | 315 |

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.

2.The worst emission was found in the antenna is Horizontal position.

Main Test Instruments

Date of Testing (variant): November 6, 2021 ~ November 25, 2021

| Name | Manufacturer | Type | Serial Number | Calibration Date | Expiration Date |
|--------------------------|--------------|------------|----------------|------------------|-----------------|
| Base Station Simulator | R&S | CMW500 | 113824 | 2021-05-15 | 2022-05-14 |
| Climate Chamber | Weiss | VT4002 | 58226119450010 | 2021-05-15 | 2022-05-14 |
| Spectrum Analyzer | Key sight | N9020 | MY52330084 | 2021-05-15 | 2022-05-14 |
| Signal Analyzer | R&S | FSV3030 | 101411 | 2020-12-13 | 2021-12-12 |
| Signal Analyzer | R&S | FSV30 | 100815 | 2020-12-13 | 2021-12-12 |
| TRILOG Broadband Antenna | Schwarzbeck | VULB 9163 | 01111 | 2019--9-12 | 2022-09-11 |
| Horn Antenna | Schwarzbeck | BBHA 9120D | 1594 | 2020-12-17 | 2021-12-16 |