

Appendix B.3

LTE Band 4



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Effective (Isotropic) Radiated Power Output Data

Test Result

| Band | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | EIRP(dBm) | Limit(dBm) | Verdict |
|-------|-----------|------------|---------|------------------|-------------|-----------|------------|---------|
| Band4 | 1.4MHz | QPSK | 19957 | 1RB#0 | 23.59 | 25.06 | 30.00 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 1RB#2 | 23.68 | 25.15 | 30.00 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 1RB#5 | 23.60 | 25.07 | 30.00 | PASS |
| Band4 | 1.4MHz | QPSK | 19957 | 6RB#0 | 22.62 | 24.09 | 30.00 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 1RB#0 | 23.58 | 25.05 | 30.00 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 1RB#2 | 23.67 | 25.14 | 30.00 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 1RB#5 | 23.62 | 25.09 | 30.00 | PASS |
| Band4 | 1.4MHz | QPSK | 20175 | 6RB#0 | 22.69 | 24.16 | 30.00 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 1RB#0 | 23.54 | 25.01 | 30.00 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 1RB#2 | 23.63 | 25.1 | 30.00 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 1RB#5 | 23.53 | 25 | 30.00 | PASS |
| Band4 | 1.4MHz | QPSK | 20393 | 6RB#0 | 22.59 | 24.06 | 30.00 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 1RB#0 | 22.95 | 24.42 | 30.00 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 1RB#2 | 22.97 | 24.44 | 30.00 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 1RB#5 | 22.98 | 24.45 | 30.00 | PASS |
| Band4 | 1.4MHz | 16QAM | 19957 | 6RB#0 | 21.75 | 23.22 | 30.00 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 1RB#0 | 22.88 | 24.35 | 30.00 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 1RB#2 | 22.92 | 24.39 | 30.00 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 1RB#5 | 22.75 | 24.22 | 30.00 | PASS |
| Band4 | 1.4MHz | 16QAM | 20175 | 6RB#0 | 21.74 | 23.21 | 30.00 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 1RB#0 | 22.90 | 24.37 | 30.00 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 1RB#2 | 22.99 | 24.46 | 30.00 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 1RB#5 | 22.83 | 24.3 | 30.00 | PASS |
| Band4 | 1.4MHz | 16QAM | 20393 | 6RB#0 | 21.65 | 23.12 | 30.00 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 1RB#0 | 23.67 | 25.14 | 30.00 | PASS |



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|-------|------|-------|-------|--------|-------|-------|-------|------|
| Band4 | 3MHz | QPSK | 19965 | 1RB#8 | 23.70 | 25.17 | 30.00 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 1RB#14 | 23.70 | 25.17 | 30.00 | PASS |
| Band4 | 3MHz | QPSK | 19965 | 15RB#0 | 22.70 | 24.17 | 30.00 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 1RB#0 | 23.67 | 25.14 | 30.00 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 1RB#8 | 23.65 | 25.12 | 30.00 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 1RB#14 | 23.63 | 25.1 | 30.00 | PASS |
| Band4 | 3MHz | QPSK | 20175 | 15RB#0 | 22.77 | 24.24 | 30.00 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 1RB#0 | 23.59 | 25.06 | 30.00 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 1RB#8 | 23.60 | 25.07 | 30.00 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 1RB#14 | 23.61 | 25.08 | 30.00 | PASS |
| Band4 | 3MHz | QPSK | 20385 | 15RB#0 | 22.61 | 24.08 | 30.00 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 1RB#0 | 22.80 | 24.27 | 30.00 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 1RB#8 | 23.00 | 24.47 | 30.00 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 1RB#14 | 23.00 | 24.47 | 30.00 | PASS |
| Band4 | 3MHz | 16QAM | 19965 | 15RB#0 | 21.75 | 23.22 | 30.00 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 1RB#0 | 22.86 | 24.33 | 30.00 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 1RB#8 | 22.90 | 24.37 | 30.00 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 1RB#14 | 22.83 | 24.3 | 30.00 | PASS |
| Band4 | 3MHz | 16QAM | 20175 | 15RB#0 | 21.74 | 23.21 | 30.00 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 1RB#0 | 22.90 | 24.37 | 30.00 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 1RB#8 | 22.92 | 24.39 | 30.00 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 1RB#14 | 22.77 | 24.24 | 30.00 | PASS |
| Band4 | 3MHz | 16QAM | 20385 | 15RB#0 | 21.66 | 23.13 | 30.00 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 1RB#0 | 23.66 | 25.13 | 30.00 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 1RB#12 | 23.72 | 25.19 | 30.00 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 1RB#24 | 23.70 | 25.17 | 30.00 | PASS |
| Band4 | 5MHz | QPSK | 19975 | 25RB#0 | 22.74 | 24.21 | 30.00 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 1RB#0 | 23.67 | 25.14 | 30.00 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 1RB#12 | 23.68 | 25.15 | 30.00 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 1RB#24 | 23.69 | 25.16 | 30.00 | PASS |
| Band4 | 5MHz | QPSK | 20175 | 25RB#0 | 22.76 | 24.23 | 30.00 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 1RB#0 | 23.60 | 25.07 | 30.00 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 1RB#12 | 23.62 | 25.09 | 30.00 | PASS |



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|-------|-------|-------|-------|--------|-------|-------|-------|------|
| Band4 | 5MHz | QPSK | 20375 | 1RB#24 | 23.58 | 25.05 | 30.00 | PASS |
| Band4 | 5MHz | QPSK | 20375 | 25RB#0 | 22.64 | 24.11 | 30.00 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#0 | 22.95 | 24.42 | 30.00 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#12 | 23.08 | 24.55 | 30.00 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 1RB#24 | 22.89 | 24.36 | 30.00 | PASS |
| Band4 | 5MHz | 16QAM | 19975 | 25RB#0 | 21.75 | 23.22 | 30.00 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#0 | 22.92 | 24.39 | 30.00 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#12 | 22.85 | 24.32 | 30.00 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 1RB#24 | 22.89 | 24.36 | 30.00 | PASS |
| Band4 | 5MHz | 16QAM | 20175 | 25RB#0 | 21.70 | 23.17 | 30.00 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 1RB#0 | 22.77 | 24.24 | 30.00 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 1RB#12 | 22.86 | 24.33 | 30.00 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 1RB#24 | 22.81 | 24.28 | 30.00 | PASS |
| Band4 | 5MHz | 16QAM | 20375 | 25RB#0 | 21.67 | 23.14 | 30.00 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 1RB#0 | 23.70 | 25.17 | 30.00 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 1RB#24 | 23.73 | 25.2 | 30.00 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 1RB#49 | 23.73 | 25.2 | 30.00 | PASS |
| Band4 | 10MHz | QPSK | 20000 | 50RB#0 | 22.75 | 24.22 | 30.00 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 1RB#0 | 23.70 | 25.17 | 30.00 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 1RB#24 | 23.73 | 25.2 | 30.00 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 1RB#49 | 23.69 | 25.16 | 30.00 | PASS |
| Band4 | 10MHz | QPSK | 20175 | 50RB#0 | 22.74 | 24.21 | 30.00 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 1RB#0 | 23.57 | 25.04 | 30.00 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 1RB#24 | 23.60 | 25.07 | 30.00 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 1RB#49 | 23.62 | 25.09 | 30.00 | PASS |
| Band4 | 10MHz | QPSK | 20350 | 50RB#0 | 22.64 | 24.11 | 30.00 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#0 | 22.87 | 24.34 | 30.00 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#24 | 22.96 | 24.43 | 30.00 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#49 | 22.97 | 24.44 | 30.00 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 50RB#0 | 21.76 | 23.23 | 30.00 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#0 | 23.02 | 24.49 | 30.00 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#24 | 22.94 | 24.41 | 30.00 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#49 | 22.86 | 24.33 | 30.00 | PASS |



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|-------|-------|-------|-------|---------|-------|-------|-------|------|
| Band4 | 10MHz | 16QAM | 20175 | 50RB#0 | 21.70 | 23.17 | 30.00 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#0 | 22.88 | 24.35 | 30.00 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#24 | 22.87 | 24.34 | 30.00 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#49 | 22.83 | 24.3 | 30.00 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 50RB#0 | 21.68 | 23.15 | 30.00 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 1RB#0 | 23.64 | 25.11 | 30.00 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 1RB#38 | 23.74 | 25.21 | 30.00 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 1RB#74 | 23.73 | 25.2 | 30.00 | PASS |
| Band4 | 15MHz | QPSK | 20025 | 75RB#0 | 22.72 | 24.19 | 30.00 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 1RB#0 | 23.63 | 25.1 | 30.00 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 1RB#38 | 23.68 | 25.15 | 30.00 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 1RB#74 | 23.67 | 25.14 | 30.00 | PASS |
| Band4 | 15MHz | QPSK | 20175 | 75RB#0 | 22.73 | 24.2 | 30.00 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 1RB#0 | 23.60 | 25.07 | 30.00 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 1RB#38 | 23.61 | 25.08 | 30.00 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 1RB#74 | 23.63 | 25.1 | 30.00 | PASS |
| Band4 | 15MHz | QPSK | 20325 | 75RB#0 | 22.75 | 24.22 | 30.00 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#0 | 22.98 | 24.45 | 30.00 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#38 | 23.10 | 24.57 | 30.00 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#74 | 23.02 | 24.49 | 30.00 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 75RB#0 | 21.74 | 23.21 | 30.00 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#0 | 22.86 | 24.33 | 30.00 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#38 | 22.96 | 24.43 | 30.00 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#74 | 22.84 | 24.31 | 30.00 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 75RB#0 | 21.74 | 23.21 | 30.00 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#0 | 22.78 | 24.25 | 30.00 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#38 | 22.81 | 24.28 | 30.00 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#74 | 22.97 | 24.44 | 30.00 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 75RB#0 | 21.71 | 23.18 | 30.00 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 1RB#0 | 23.59 | 25.06 | 30.00 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 1RB#49 | 23.72 | 25.19 | 30.00 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 1RB#99 | 23.69 | 25.16 | 30.00 | PASS |
| Band4 | 20MHz | QPSK | 20050 | 100RB#0 | 22.73 | 24.2 | 30.00 | PASS |



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|-------|-------|-------|-------|---------|-------|-------|-------|------|
| Band4 | 20MHz | QPSK | 20175 | 1RB#0 | 23.61 | 25.08 | 30.00 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 1RB#49 | 23.66 | 25.13 | 30.00 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 1RB#99 | 23.73 | 25.2 | 30.00 | PASS |
| Band4 | 20MHz | QPSK | 20175 | 100RB#0 | 22.70 | 24.17 | 30.00 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 1RB#0 | 23.56 | 25.03 | 30.00 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 1RB#49 | 23.61 | 25.08 | 30.00 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 1RB#99 | 23.65 | 25.12 | 30.00 | PASS |
| Band4 | 20MHz | QPSK | 20300 | 100RB#0 | 22.72 | 24.19 | 30.00 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#0 | 22.85 | 24.32 | 30.00 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#49 | 22.96 | 24.43 | 30.00 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#99 | 22.86 | 24.33 | 30.00 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 100RB#0 | 21.72 | 23.19 | 30.00 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#0 | 22.95 | 24.42 | 30.00 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#49 | 22.99 | 24.46 | 30.00 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#99 | 22.87 | 24.34 | 30.00 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 100RB#0 | 21.72 | 23.19 | 30.00 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#0 | 22.67 | 24.14 | 30.00 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#49 | 22.92 | 24.39 | 30.00 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#99 | 22.87 | 24.34 | 30.00 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 100RB#0 | 21.69 | 23.16 | 30.00 | PASS |



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Field Strength of Spurious Radiation

Test Band = LTE_4_20MHz_TM1

Test Channel = LCH

| Final Data List | | | | | | | | | | |
|-----------------|----------------|-------------------|----------------|--------------|----------------|----------------|----------------|----------------|----------|------------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF [dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle[°] | Polarity |
| 1 | 2999.75 | 24.32 | 1.62 | 29.80 | -39.52 | -13.00 | 26.52 | 163 | 54 | Horizontal |
| 2 | 3422.2711 | 54.98 | -50.15 | 29.71 | -60.72 | -13.00 | 47.72 | 254 | 77 | Horizontal |
| 3 | 5494.6247 | 50.72 | -45.47 | 33.13 | -56.88 | -13.00 | 43.88 | 145 | 151 | Horizontal |
| 4 | 6844.6922 | 52.06 | -45.09 | 36.12 | -52.17 | -13.00 | 39.17 | 224 | 117 | Horizontal |
| 5 | 11932.1966 | 47.30 | -38.21 | 39.47 | -46.70 | -13.00 | 33.70 | 178 | 260 | Horizontal |
| 6 | 17904.7452 | 48.38 | -42.98 | 42.23 | -47.63 | -13.00 | 34.63 | 162 | 235 | Horizontal |

| Final Data List | | | | | | | | | | |
|-----------------|----------------|-------------------|----------------|--------------|----------------|----------------|----------------|----------------|----------|----------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF [dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle[°] | Polarity |
| 1 | 2999.4999 | 24.54 | 1.62 | 29.79 | -39.31 | -13.00 | 26.31 | 322 | 202 | Vertical |
| 2 | 3422.2711 | 57.57 | -50.15 | 29.71 | -58.13 | -13.00 | 45.13 | 247 | 295 | Vertical |
| 3 | 5133.1067 | 56.69 | -47.09 | 33.57 | -52.09 | -13.00 | 39.09 | 189 | 192 | Vertical |
| 4 | 6844.6922 | 60.57 | -45.09 | 36.12 | -43.66 | -13.00 | 30.66 | 226 | 16 | Vertical |
| 5 | 11977.9489 | 48.55 | -38.60 | 39.42 | -45.89 | -13.00 | 32.89 | 321 | 51 | Vertical |
| 6 | 17917.4959 | 48.68 | -42.98 | 42.30 | -47.26 | -13.00 | 34.26 | 114 | 337 | Vertical |



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Test Band = LTE_4_20MHz_TM1
Test Channel = MCH

| Final Data List | | | | | | | | | | |
|-----------------|----------------|-------------------|----------------|--------------|----------------|----------------|----------------|----------------|----------|------------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF [dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle[°] | Polarity |
| 1 | 2988.9986 | 24.96 | 1.35 | 29.69 | -39.26 | -13.00 | 26.26 | 230 | 131 | Horizontal |
| 2 | 3447.0224 | 55.95 | -50.11 | 29.61 | -59.81 | -13.00 | 46.81 | 214 | 73 | Horizontal |
| 3 | 5481.8741 | 51.38 | -45.49 | 33.21 | -56.16 | -13.00 | 43.16 | 179 | 166 | Horizontal |
| 4 | 6894.1947 | 51.80 | -44.94 | 36.19 | -52.21 | -13.00 | 39.21 | 365 | 304 | Horizontal |
| 5 | 11918.6959 | 47.09 | -38.00 | 39.48 | -46.69 | -13.00 | 33.69 | 325 | 176 | Horizontal |
| 6 | 17990.9996 | 49.58 | -43.97 | 42.75 | -46.90 | -13.00 | 33.90 | 343 | 280 | Horizontal |

| Final Data List | | | | | | | | | | |
|-----------------|----------------|-------------------|----------------|--------------|----------------|----------------|----------------|----------------|----------|----------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF [dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle[°] | Polarity |
| 1 | 2994.4993 | 24.82 | 1.47 | 29.74 | -39.23 | -13.00 | 26.23 | 213 | 262 | Vertical |
| 2 | 3447.0224 | 57.42 | -50.11 | 29.61 | -58.34 | -13.00 | 45.34 | 220 | 138 | Vertical |
| 3 | 5170.6085 | 55.59 | -46.77 | 33.06 | -53.38 | -13.00 | 40.38 | 178 | 201 | Vertical |
| 4 | 6894.1947 | 60.53 | -44.94 | 36.19 | -43.48 | -13.00 | 30.48 | 365 | 280 | Vertical |
| 5 | 10341.3671 | 49.17 | -40.92 | 38.66 | -48.35 | -13.00 | 35.35 | 325 | 47 | Vertical |
| 6 | 11926.1963 | 47.62 | -38.12 | 39.47 | -46.29 | -13.00 | 33.29 | 214 | 206 | Vertical |



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Test Band = LTE_4_20MHz_TM1
Test Channel = HCH

| Final Data List | | | | | | | | | | |
|-----------------|----------------|-------------------|----------------|--------------|----------------|----------------|----------------|----------------|----------|------------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF [dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle[°] | Polarity |
| 1 | 2995.9995 | 24.56 | 1.51 | 29.76 | -39.43 | -13.00 | 26.43 | 163 | 308 | Horizontal |
| 2 | 3472.5236 | 53.77 | -49.63 | 29.69 | -61.43 | -13.00 | 48.43 | 254 | 320 | Horizontal |
| 3 | 6944.4472 | 51.57 | -44.49 | 36.38 | -51.80 | -13.00 | 38.80 | 174 | 117 | Horizontal |
| 4 | 9040.052 | 48.76 | -41.83 | 38.72 | -49.61 | -13.00 | 36.61 | 221 | 225 | Horizontal |
| 5 | 11929.9465 | 47.48 | -38.18 | 39.47 | -46.49 | -13.00 | 33.49 | 146 | 191 | Horizontal |
| 6 | 17987.9994 | 48.82 | -43.90 | 42.73 | -47.61 | -13.00 | 34.61 | 326 | 63 | Horizontal |

| Final Data List | | | | | | | | | | |
|-----------------|----------------|-------------------|----------------|--------------|----------------|----------------|----------------|----------------|----------|----------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF [dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle[°] | Polarity |
| 1 | 2999.2499 | 24.93 | 1.61 | 29.79 | -38.93 | -13.00 | 25.93 | 223 | 319 | Vertical |
| 2 | 3472.5236 | 56.15 | -49.63 | 29.69 | -59.05 | -13.00 | 46.05 | 258 | 137 | Vertical |
| 3 | 5208.1104 | 55.63 | -46.42 | 32.48 | -53.57 | -13.00 | 40.57 | 325 | 211 | Vertical |
| 4 | 6944.4472 | 58.83 | -44.49 | 36.38 | -44.54 | -13.00 | 31.54 | 146 | 158 | Vertical |
| 5 | 10416.3708 | 48.98 | -40.31 | 38.70 | -47.89 | -13.00 | 34.89 | 228 | 83 | Vertical |
| 6 | 11929.1965 | 47.55 | -38.17 | 39.47 | -46.41 | -13.00 | 33.41 | 221 | 158 | Vertical |

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

---End of Attachment---



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