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# Appendix B.3

## LTE Band 4



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中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn  
t (86-512) 62992980 sgs.china@sgs.com

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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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t (86-512) 62992980 www.sgs.com.cn  
t (86-512) 62992980 sgs.china@sgs.com

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## Field Strength of Spurious Radiation

Test Band = LTE\_4\_20MHz\_TM1

Test Channel = LCH

| Final Data List |                |                   |                |              |                |                |                |                |          |            |
|-----------------|----------------|-------------------|----------------|--------------|----------------|----------------|----------------|----------------|----------|------------|
| NO.             | Freq.<br>[MHz] | Reading<br>[dBμV] | Factor<br>[dB] | AF<br>[dB/m] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Height<br>[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.<br>[MHz] | Reading<br>[dBμV] | Factor<br>[dB] | AF<br>[dB/m] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Height<br>[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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t (86-512) 62992980 sgs.china@sgs.com

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Test Band = LTE\_4\_20MHz\_TM1

Test Channel = MCH

| Final Data List |                |                   |                |              |                |                |                |                |          |            |
|-----------------|----------------|-------------------|----------------|--------------|----------------|----------------|----------------|----------------|----------|------------|
| NO.             | Freq.<br>[MHz] | Reading<br>[dBμV] | Factor<br>[dB] | AF<br>[dB/m] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Height<br>[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.<br>[MHz] | Reading<br>[dBμV] | Factor<br>[dB] | AF<br>[dB/m] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Height<br>[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.<br>[MHz] | Reading<br>[dBμV] | Factor<br>[dB] | AF<br>[dB/m] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Height<br>[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.<br>[MHz] | Reading<br>[dBμV] | Factor<br>[dB] | AF<br>[dB/m] | Level<br>[dBm] | Limit<br>[dBm] | Margin<br>[dB] | Height<br>[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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