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# Appendix B

E-UTRA Band 25



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### **Effective (Isotropic) Radiated Power Output Data**

| Effective Isotropic Radiated Power of Transmitter (EIRP) for LTE BAND 25 |              |                   |                 |         |                   |               |                |         |  |  |
|--|--------------|-------------------|-----------------|---------|-------------------|---------------|----------------|---------|--|--|
| Test<br>Band(LTE)  | Test<br>Mode | Test<br>Bandwidth | Test<br>channel | Test RB | Measured<br>(dBm) | EIRP<br>(dBm) | limit<br>(dBm) | Verdict |  |  |
|  |              |                   |                 | RB1#0   | 21.44             | 20.64         | 33.00          | PASS    |  |  |
|  |              |                   |                 | RB1#2   | 21.41             | 20.61         | 33.00          | PASS    |  |  |
|  |              |                   |                 | RB1#5   | 21.45             | 20.65         | 33.00          | PASS    |  |  |
|  |              |                   | LCH             | RB3#0   | 21.42             | 20.62         | 33.00          | PASS    |  |  |
|  |              |                   |                 | RB3#2   | 21.41             | 20.61         | 33.00          | PASS    |  |  |
|  |              |                   |                 | RB3#3   | 21.45             | 20.65         | 33.00          | PASS    |  |  |
|  |              |                   |                 | RB6#0   | 20.54             | 19.74         | 33.00          | PASS    |  |  |
|  |              |                   |                 | RB1#0   | 21.44             | 20.64         | 33.00          | PASS    |  |  |
|  |              |                   |                 | RB1#2   | 21.43             | 20.63         | 33.00          | PASS    |  |  |
|  |              |                   |                 | RB1#5   | 21.44             | 20.64         | 33.00          | PASS    |  |  |
| BAND25   | LTE/TM1      | 1.4M              | MCH             | RB3#0   | 21.46             | 20.66         | 33.00          | PASS    |  |  |
|  |              |                   |                 | RB3#2   | 21.41             | 20.61         | 33.00          | PASS    |  |  |
|  |              |                   |                 | RB3#3   | 21.46             | 20.66         | 33.00          | PASS    |  |  |
|  |              |                   |                 | RB6#0   | 20.53             | 19.73         | 33.00          | PASS    |  |  |
|  |              |                   |                 | RB1#0   | 21.31             | 20.51         | 33.00          | PASS    |  |  |
|  |              |                   |                 | RB1#2   | 21.28             | 20.48         | 33.00          | PASS    |  |  |
|  |              |                   |                 | RB1#5   | 21.27             | 20.47         | 33.00          | PASS    |  |  |
|  |              |                   | НСН             | RB3#0   | 21.32             | 20.52         | 33.00          | PASS    |  |  |
|  |              |                   | RB3#2           | 21.27   | 20.47             | 33.00         | PASS           |         |  |  |
|  |              |                   |                 | RB3#3   | 21.34             | 20.54         | 33.00          | PASS    |  |  |
|  |              |                   |                 | RB6#0   | 20.26             | 19.46         | 33.00          | PASS    |  |  |



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| Test      | Test    | Test       | Test    | Test RB | Measured | EIRP  | limit | Verdict |
|-----------|---------|------------|---------|---------|----------|-------|-------|---------|
| Band(LTE) | Mode    | Bandwidth  | channel | 1621 KD | (dBm)    | (dBm) | (dBm) | verdict |
|           |         |            |         | RB1#0   | 20.40    | 19.60 | 33.00 | PASS    |
|           |         |            |         | RB1#2   | 20.39    | 19.59 | 33.00 | PASS    |
|           |         |            |         | RB1#5   | 20.42    | 19.62 | 33.00 | PASS    |
|           |         |            | LCH     | RB3#0   | 20.44    | 19.64 | 33.00 | PASS    |
|           |         |            |         | RB3#2   | 20.39    | 19.59 | 33.00 | PASS    |
|           |         |            |         | RB3#3   | 20.43    | 19.63 | 33.00 | PASS    |
|           |         |            |         | RB6#0   | 19.39    | 18.59 | 33.00 | PASS    |
|           |         |            |         | RB1#0   | 20.39    | 19.59 | 33.00 | PASS    |
|           |         |            |         | RB1#2   | 20.40    | 19.60 | 33.00 | PASS    |
|           |         | E/TM2 1.4M | MCH     | RB1#5   | 20.37    | 19.57 | 33.00 | PASS    |
| BAND25    | LTE/TM2 |            |         | RB3#0   | 20.40    | 19.60 | 33.00 | PASS    |
|           |         |            |         | RB3#2   | 20.41    | 19.61 | 33.00 | PASS    |
|           |         |            |         | RB3#3   | 20.44    | 19.64 | 33.00 | PASS    |
|           |         |            |         | RB6#0   | 19.38    | 18.58 | 33.00 | PASS    |
|           |         |            |         | RB1#0   | 20.26    | 19.46 | 33.00 | PASS    |
|           |         |            |         | RB1#2   | 20.24    | 19.44 | 33.00 | PASS    |
|           |         |            |         | RB1#5   | 20.18    | 19.38 | 33.00 | PASS    |
|           |         |            | НСН     | RB3#0   | 20.23    | 19.43 | 33.00 | PASS    |
|           |         |            |         | RB3#2   | 20.19    | 19.39 | 33.00 | PASS    |
|           |         |            |         | RB3#3   | 20.18    | 19.38 | 33.00 | PASS    |
|           |         |            |         | RB6#0   | 19.16    | 18.36 | 33.00 | PASS    |



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| Test<br>Band(LTE) | Test<br>Mode | Test<br>Bandwidth | Test channel | Test RB | Measured<br>(dBm) | EIRP<br>(dBm) | limit<br>(dBm) | Verdict |
|-------------------|--------------|-------------------|--------------|---------|-------------------|---------------|----------------|---------|
|                   |              |                   |              | RB1#0   | 21.40             | 20.60         | 33.00          | PASS    |
|                   |              |                   |              | RB1#7   | 21.38             | 20.58         | 33.00          | PASS    |
|                   |              |                   |              | RB1#14  | 21.37             | 20.57         | 33.00          | PASS    |
|                   |              |                   | LCH          | RB8#0   | 20.50             | 19.70         | 33.00          | PASS    |
|                   |              |                   |              | RB8#4   | 20.49             | 19.69         | 33.00          | PASS    |
|                   |              |                   |              | RB8#7   | 20.45             | 19.65         | 33.00          | PASS    |
|                   |              |                   |              | RB15#0  | 20.44             | 19.64         | 33.00          | PASS    |
|                   |              |                   |              | RB1#0   | 21.41             | 20.61         | 33.00          | PASS    |
|                   |              |                   |              | RB1#7   | 21.37             | 20.57         | 33.00          | PASS    |
|                   |              |                   | RB1#14       | 21.41   | 20.61             | 33.00         | PASS           |         |
| BAND25            | LTE/TM1      | E/TM1 3M          | MCH          | RB8#0   | 20.45             | 19.65         | 33.00          | PASS    |
|                   |              |                   |              | RB8#4   | 20.45             | 19.65         | 33.00          | PASS    |
|                   |              |                   |              | RB8#7   | 20.48             | 19.68         | 33.00          | PASS    |
|                   |              |                   |              | RB15#0  | 20.50             | 19.70         | 33.00          | PASS    |
|                   |              |                   |              | RB1#0   | 21.33             | 20.53         | 33.00          | PASS    |
|                   |              |                   |              | RB1#7   | 21.27             | 20.47         | 33.00          | PASS    |
|                   |              |                   |              | RB1#14  | 21.25             | 20.45         | 33.00          | PASS    |
|                   |              |                   | НСН          | RB8#0   | 20.30             | 19.50         | 33.00          | PASS    |
|                   |              |                   |              | RB8#4   | 20.26             | 19.46         | 33.00          | PASS    |
|                   |              |                   |              | RB8#7   | 20.28             | 19.48         | 33.00          | PASS    |
|                   |              |                   |              | RB15#0  | 20.31             | 19.51         | 33.00          | PASS    |



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|-------------------|--------------|--------------------|-----------------|---------|-------------------|---------------|----------------|---------|
| Test<br>Band(LTE) | Test<br>Mode | Test<br>Bandwidth  | Test<br>channel | Test RB | Measured<br>(dBm) | EIRP<br>(dBm) | limit<br>(dBm) | Verdict |
|                   |              |                    |                 | RB1#0   | 20.38             | 19.58         | 33.00          | PASS    |
|                   |              |                    |                 | RB1#7   | 20.33             | 19.53         | 33.00          | PASS    |
|                   |              |                    |                 | RB1#14  | 20.38             | 19.58         | 33.00          | PASS    |
|                   |              |                    | LCH             | RB8#0   | 19.47             | 18.67         | 33.00          | PASS    |
|                   |              |                    |                 | RB8#4   | 19.50             | 18.70         | 33.00          | PASS    |
|                   |              |                    |                 | RB8#7   | 19.49             | 18.69         | 33.00          | PASS    |
|                   |              |                    |                 | RB15#0  | 19.42             | 18.62         | 33.00          | PASS    |
|                   |              |                    |                 | RB1#0   | 20.34             | 19.54         | 33.00          | PASS    |
|                   |              | <sup>-</sup> M2 3M |                 | RB1#7   | 20.31             | 19.51         | 33.00          | PASS    |
|                   |              |                    | MCH             | RB1#14  | 20.36             | 19.56         | 33.00          | PASS    |
| BAND25            | LTE/TM2      |                    |                 | RB8#0   | 19.44             | 18.64         | 33.00          | PASS    |
|                   |              |                    |                 | RB8#4   | 19.48             | 18.68         | 33.00          | PASS    |
|                   |              |                    |                 | RB8#7   | 19.48             | 18.68         | 33.00          | PASS    |
|                   |              |                    |                 | RB15#0  | 19.42             | 18.62         | 33.00          | PASS    |
|                   |              |                    |                 | RB1#0   | 20.19             | 19.39         | 33.00          | PASS    |
|                   |              |                    |                 | RB1#7   | 20.22             | 19.42         | 33.00          | PASS    |
|                   |              |                    |                 | RB1#14  | 20.16             | 19.36         | 33.00          | PASS    |
|                   |              |                    | НСН             | RB8#0   | 19.31             | 18.51         | 33.00          | PASS    |
|                   |              |                    |                 | RB8#4   | 19.30             | 18.50         | 33.00          | PASS    |
|                   |              |                    |                 | RB8#7   | 19.27             | 18.47         | 33.00          | PASS    |
|                   |              |                    |                 | RB15#0  | 19.24             | 18.44         | 33.00          | PASS    |



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| Test      | Test    | Test      | Test    |         | Measured | EIRP  | limit |         |
|-----------|---------|-----------|---------|---------|----------|-------|-------|---------|
| Band(LTE) | Mode    | Bandwidth | channel | Test RB | (dBm)    | (dBm) | (dBm) | Verdict |
|           |         |           |         | RB1#0   | 21.39    | 20.59 | 33.00 | PASS    |
|           |         |           |         | RB1#13  | 21.35    | 20.55 | 33.00 | PASS    |
|           |         |           |         | RB1#24  | 21.36    | 20.56 | 33.00 | PASS    |
|           |         |           | LCH     | RB12#0  | 20.51    | 19.71 | 33.00 | PASS    |
|           |         |           |         | RB12#6  | 20.44    | 19.64 | 33.00 | PASS    |
|           |         |           |         | RB12#13 | 20.45    | 19.65 | 33.00 | PASS    |
|           |         |           |         | RB25#0  | 20.43    | 19.63 | 33.00 | PASS    |
|           |         |           |         | RB1#0   | 21.37    | 20.57 | 33.00 | PASS    |
|           |         | 5M        |         | RB1#13  | 21.33    | 20.53 | 33.00 | PASS    |
|           |         |           | MCH     | RB1#24  | 21.41    | 20.61 | 33.00 | PASS    |
| BAND25    | LTE/TM1 |           |         | RB12#0  | 20.48    | 19.68 | 33.00 | PASS    |
|           |         |           |         | RB12#6  | 20.46    | 19.66 | 33.00 | PASS    |
|           |         |           |         | RB12#13 | 20.42    | 19.62 | 33.00 | PASS    |
|           |         |           |         | RB25#0  | 20.45    | 19.65 | 33.00 | PASS    |
|           |         |           |         | RB1#0   | 21.32    | 20.52 | 33.00 | PASS    |
|           |         |           |         | RB1#13  | 21.28    | 20.48 | 33.00 | PASS    |
|           |         |           |         | RB1#24  | 21.22    | 20.42 | 33.00 | PASS    |
|           |         |           | HCH     | RB12#0  | 20.30    | 19.50 | 33.00 | PASS    |
|           |         |           |         | RB12#6  | 20.31    | 19.51 | 33.00 | PASS    |
|           |         |           |         | RB12#13 | 20.27    | 19.47 | 33.00 | PASS    |
|           |         |           |         | RB25#0  | 20.30    | 19.50 | 33.00 | PASS    |



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| Test      | Test    | Test      | Test    |         | Measured | EIRP  | limit |         |
|-----------|---------|-----------|---------|---------|----------|-------|-------|---------|
| Band(LTE) | Mode    | Bandwidth | channel | Test RB | (dBm)    | (dBm) | (dBm) | Verdict |
|           |         |           |         | RB1#0   | 20.33    | 19.53 | 33.00 | PASS    |
|           |         |           |         | RB1#13  | 20.34    | 19.54 | 33.00 | PASS    |
|           |         |           |         | RB1#24  | 20.32    | 19.52 | 33.00 | PASS    |
|           |         |           | LCH     | RB12#0  | 19.48    | 18.68 | 33.00 | PASS    |
|           |         |           |         | RB12#6  | 19.49    | 18.69 | 33.00 | PASS    |
|           |         |           |         | RB12#13 | 19.48    | 18.68 | 33.00 | PASS    |
|           |         |           |         | RB25#0  | 19.48    | 18.68 | 33.00 | PASS    |
|           |         |           |         | RB1#0   | 20.36    | 19.56 | 33.00 | PASS    |
|           |         | 2 5M      |         | RB1#13  | 20.30    | 19.50 | 33.00 | PASS    |
| BAND25 L  |         |           | мсн     | RB1#24  | 20.33    | 19.53 | 33.00 | PASS    |
|           | LTE/TM2 |           |         | RB12#0  | 19.45    | 18.65 | 33.00 | PASS    |
|           |         |           |         | RB12#6  | 19.44    | 18.64 | 33.00 | PASS    |
|           |         |           |         | RB12#13 | 19.46    | 18.66 | 33.00 | PASS    |
|           |         |           |         | RB25#0  | 19.41    | 18.61 | 33.00 | PASS    |
|           |         |           |         | RB1#0   | 20.20    | 19.40 | 33.00 | PASS    |
|           |         |           |         | RB1#13  | 20.24    | 19.44 | 33.00 | PASS    |
|           |         |           |         | RB1#24  | 20.19    | 19.39 | 33.00 | PASS    |
|           |         |           | НСН     | RB12#0  | 19.36    | 18.56 | 33.00 | PASS    |
|           |         |           |         | RB12#6  | 19.32    | 18.52 | 33.00 | PASS    |
|           |         |           |         | RB12#13 | 19.27    | 18.47 | 33.00 | PASS    |
|           |         |           |         | RB25#0  | 19.30    | 18.50 | 33.00 | PASS    |



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| Test<br>Band(LTE) | Test<br>Mode | Test<br>Bandwidth | Test channel | Test RB | Measured<br>(dBm) | EIRP<br>(dBm) | limit<br>(dBm) | Verdict |
|-------------------|--------------|-------------------|--------------|---------|-------------------|---------------|----------------|---------|
|                   |              |                   |              | RB1#0   | 21.40             | 20.60         | 33.00          | PASS    |
|                   |              |                   |              | RB1#25  | 21.38             | 20.58         | 33.00          | PASS    |
|                   |              |                   |              | RB1#49  | 21.34             | 20.54         | 33.00          | PASS    |
|                   |              |                   | LCH          | RB25#0  | 20.46             | 19.66         | 33.00          | PASS    |
|                   |              |                   |              | RB25#13 | 20.49             | 19.69         | 33.00          | PASS    |
|                   |              |                   |              | RB25#25 | 20.44             | 19.64         | 33.00          | PASS    |
|                   |              |                   |              | RB50#0  | 20.44             | 19.64         | 33.00          | PASS    |
|                   |              |                   |              | RB1#0   | 21.41             | 20.61         | 33.00          | PASS    |
|                   |              | 1 10M             |              | RB1#25  | 21.35             | 20.55         | 33.00          | PASS    |
|                   |              |                   | MCH          | RB1#49  | 21.40             | 20.60         | 33.00          | PASS    |
| BAND25            | LTE/TM1      |                   |              | RB25#0  | 20.44             | 19.64         | 33.00          | PASS    |
|                   |              |                   |              | RB25#13 | 20.45             | 19.65         | 33.00          | PASS    |
|                   |              |                   |              | RB25#25 | 20.48             | 19.68         | 33.00          | PASS    |
|                   |              |                   |              | RB50#0  | 20.46             | 19.66         | 33.00          | PASS    |
|                   |              |                   |              | RB1#0   | 21.38             | 20.58         | 33.00          | PASS    |
|                   |              |                   |              | RB1#25  | 21.32             | 20.52         | 33.00          | PASS    |
|                   |              |                   |              | RB1#49  | 21.25             | 20.45         | 33.00          | PASS    |
|                   |              | НСН               | RB25#0       | 20.30   | 19.50             | 33.00         | PASS           |         |
|                   |              |                   |              | RB25#13 | 20.35             | 19.55         | 33.00          | PASS    |
|                   |              |                   |              | RB25#25 | 20.29             | 19.49         | 33.00          | PASS    |
|                   |              |                   |              | RB50#0  | 20.32             | 19.52         | 33.00          | PASS    |



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|-------------------|--------------|-------------------|-----------------|---------|-------------------|---------------|----------------|---------|
| Test<br>Band(LTE) | Test<br>Mode | Test<br>Bandwidth | Test<br>channel | Test RB | Measured<br>(dBm) | EIRP<br>(dBm) | limit<br>(dBm) | Verdict |
|                   |              |                   |                 | RB1#0   | 20.35             | 19.55         | 33.00          | PASS    |
|                   |              |                   |                 | RB1#25  | 20.38             | 19.58         | 33.00          | PASS    |
|                   |              |                   |                 | RB1#49  | 20.37             | 19.57         | 33.00          | PASS    |
|                   |              |                   | LCH             | RB25#0  | 19.47             | 18.67         | 33.00          | PASS    |
|                   |              |                   |                 | RB25#13 | 19.45             | 18.65         | 33.00          | PASS    |
|                   |              |                   |                 | RB25#25 | 19.43             | 18.63         | 33.00          | PASS    |
|                   |              |                   |                 | RB50#0  | 19.40             | 18.60         | 33.00          | PASS    |
|                   |              |                   |                 | RB1#0   | 20.34             | 19.54         | 33.00          | PASS    |
|                   |              | 2 10M             |                 | RB1#25  | 20.32             | 19.52         | 33.00          | PASS    |
|                   |              |                   | MCH             | RB1#49  | 20.39             | 19.59         | 33.00          | PASS    |
| BAND25            | LTE/TM2      |                   |                 | RB25#0  | 19.45             | 18.65         | 33.00          | PASS    |
|                   |              |                   |                 | RB25#13 | 19.42             | 18.62         | 33.00          | PASS    |
|                   |              |                   |                 | RB25#25 | 19.45             | 18.65         | 33.00          | PASS    |
|                   |              |                   |                 | RB50#0  | 19.44             | 18.64         | 33.00          | PASS    |
|                   |              |                   |                 | RB1#0   | 20.35             | 19.55         | 33.00          | PASS    |
|                   |              |                   |                 | RB1#25  | 20.26             | 19.46         | 33.00          | PASS    |
|                   |              |                   |                 | RB1#49  | 20.15             | 19.35         | 33.00          | PASS    |
|                   |              |                   | НСН             | RB25#0  | 19.36             | 18.56         | 33.00          | PASS    |
|                   |              |                   |                 | RB25#13 | 19.34             | 18.54         | 33.00          | PASS    |
|                   |              |                   |                 | RB25#25 | 19.34             | 18.54         | 33.00          | PASS    |
|                   |              |                   |                 | RB50#0  | 19.34             | 18.54         | 33.00          | PASS    |



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| Test<br>Band(LTE) | Test<br>Mode | Test<br>Bandwidth | Test<br>channel | Test RB | Measured<br>(dBm) | EIRP<br>(dBm) | limit<br>(dBm) | Verdict |
|-------------------|--------------|-------------------|-----------------|---------|-------------------|---------------|----------------|---------|
|                   |              |                   |                 | RB1#0   | 21.42             | 20.62         | 33.00          | PASS    |
|                   |              |                   |                 | RB1#38  | 21.41             | 20.61         | 33.00          | PASS    |
|                   |              |                   |                 | RB1#74  | 21.32             | 20.52         | 33.00          | PASS    |
|                   |              |                   | LCH             | RB36#0  | 20.52             | 19.72         | 33.00          | PASS    |
|                   |              |                   |                 | RB36#18 | 20.51             | 19.71         | 33.00          | PASS    |
|                   |              |                   |                 | RB36#39 | 20.43             | 19.63         | 33.00          | PASS    |
|                   |              |                   |                 | RB75#0  | 20.44             | 19.64         | 33.00          | PASS    |
|                   |              |                   |                 | RB1#0   | 21.41             | 20.61         | 33.00          | PASS    |
|                   |              | E/TM1 15M         |                 | RB1#38  | 21.40             | 20.60         | 33.00          | PASS    |
|                   |              |                   | MCH             | RB1#74  | 21.44             | 20.64         | 33.00          | PASS    |
| BAND25            | LTE/TM1      |                   |                 | RB36#0  | 20.45             | 19.65         | 33.00          | PASS    |
|                   |              |                   |                 | RB36#18 | 20.45             | 19.65         | 33.00          | PASS    |
|                   |              |                   |                 | RB36#39 | 20.47             | 19.67         | 33.00          | PASS    |
|                   |              |                   |                 | RB75#0  | 20.43             | 19.63         | 33.00          | PASS    |
|                   |              |                   |                 | RB1#0   | 21.40             | 20.60         | 33.00          | PASS    |
|                   |              |                   |                 | RB1#38  | 21.43             | 20.63         | 33.00          | PASS    |
|                   |              |                   |                 | RB1#74  | 21.28             | 20.48         | 33.00          | PASS    |
|                   |              | HCH               | RB36#0          | 20.37   | 19.57             | 33.00         | PASS           |         |
|                   |              |                   |                 | RB36#18 | 20.30             | 19.50         | 33.00          | PASS    |
|                   |              |                   |                 | RB36#39 | 20.31             | 19.51         | 33.00          | PASS    |
|                   |              |                   |                 | RB75#0  | 20.40             | 19.60         | 33.00          | PASS    |



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| Test      | Test    | Test      | Test    | Toot DD | Measured | EIRP  | limit | Verdict |
|-----------|---------|-----------|---------|---------|----------|-------|-------|---------|
| Band(LTE) | Mode    | Bandwidth | channel | Test RB | (dBm)    | (dBm) | (dBm) | verdict |
|           |         |           |         | RB1#0   | 20.41    | 19.61 | 33.00 | PASS    |
|           |         |           |         | RB1#38  | 20.36    | 19.56 | 33.00 | PASS    |
|           |         |           |         | RB1#74  | 20.29    | 19.49 | 33.00 | PASS    |
|           |         |           | LCH     | RB36#0  | 19.48    | 18.68 | 33.00 | PASS    |
|           |         |           |         | RB36#18 | 19.48    | 18.68 | 33.00 | PASS    |
|           |         |           |         | RB36#39 | 19.40    | 18.60 | 33.00 | PASS    |
|           |         |           |         | RB75#0  | 19.45    | 18.65 | 33.00 | PASS    |
|           |         |           |         | RB1#0   | 20.44    | 19.64 | 33.00 | PASS    |
|           |         |           |         | RB1#38  | 20.36    | 19.56 | 33.00 | PASS    |
|           |         |           | MCH     | RB1#74  | 20.44    | 19.64 | 33.00 | PASS    |
| BAND25    | LTE/TM2 | 2 15M     |         | RB36#0  | 19.41    | 18.61 | 33.00 | PASS    |
|           |         |           |         | RB36#18 | 19.42    | 18.62 | 33.00 | PASS    |
|           |         |           |         | RB36#39 | 19.44    | 18.64 | 33.00 | PASS    |
|           |         |           |         | RB75#0  | 19.46    | 18.66 | 33.00 | PASS    |
|           |         |           |         | RB1#0   | 20.37    | 19.57 | 33.00 | PASS    |
|           |         |           |         | RB1#38  | 20.35    | 19.55 | 33.00 | PASS    |
|           |         |           |         | RB1#74  | 20.18    | 19.38 | 33.00 | PASS    |
|           |         | HCH       | RB36#0  | 19.32   | 18.52    | 33.00 | PASS  |         |
|           |         |           |         | RB36#18 | 19.28    | 18.48 | 33.00 | PASS    |
|           |         |           |         | RB36#39 | 19.32    | 18.52 | 33.00 | PASS    |
|           |         |           |         | RB75#0  | 19.38    | 18.58 | 33.00 | PASS    |



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|                   | T            | T                 | T               | T       | Page.             | 13 01 7       |                | 1       |
|-------------------|--------------|-------------------|-----------------|---------|-------------------|---------------|----------------|---------|
| Test<br>Band(LTE) | Test<br>Mode | Test<br>Bandwidth | Test<br>channel | Test RB | Measured<br>(dBm) | EIRP<br>(dBm) | limit<br>(dBm) | Verdict |
|                   |              |                   |                 | RB1#0   | 21.42             | 20.62         | 33.00          | PASS    |
|                   |              |                   |                 | RB1#50  | 21.40             | 20.60         | 33.00          | PASS    |
|                   |              |                   |                 | RB1#99  | 21.29             | 20.49         | 33.00          | PASS    |
|                   |              |                   | LCH             | RB50#0  | 20.48             | 19.68         | 33.00          | PASS    |
|                   |              |                   |                 | RB50#25 | 20.45             | 19.65         | 33.00          | PASS    |
|                   |              |                   |                 | RB50#50 | 20.43             | 19.63         | 33.00          | PASS    |
|                   |              |                   |                 | RB100#0 | 20.45             | 19.65         | 33.00          | PASS    |
|                   |              |                   |                 | RB1#0   | 21.40             | 20.60         | 33.00          | PASS    |
|                   |              | 20M               |                 | RB1#50  | 21.38             | 20.58         | 33.00          | PASS    |
|                   |              |                   | MCH             | RB1#99  | 21.36             | 20.56         | 33.00          | PASS    |
| BAND25            | LTE/TM1      |                   |                 | RB50#0  | 20.49             | 19.69         | 33.00          | PASS    |
|                   |              |                   |                 | RB50#25 | 20.46             | 19.66         | 33.00          | PASS    |
|                   |              |                   |                 | RB50#50 | 20.43             | 19.63         | 33.00          | PASS    |
|                   |              |                   |                 | RB100#0 | 20.43             | 19.63         | 33.00          | PASS    |
|                   |              |                   |                 | RB1#0   | 21.45             | 20.65         | 33.00          | PASS    |
|                   |              |                   |                 | RB1#50  | 21.35             | 20.55         | 33.00          | PASS    |
|                   |              |                   |                 | RB1#99  | 21.24             | 20.44         | 33.00          | PASS    |
|                   |              |                   | HCH             | RB50#0  | 20.51             | 19.71         | 33.00          | PASS    |
|                   |              |                   |                 | RB50#25 | 20.35             | 19.55         | 33.00          | PASS    |
|                   |              |                   |                 | RB50#50 | 20.27             | 19.47         | 33.00          | PASS    |
|                   |              |                   |                 | RB100#0 | 20.35             | 19.55         | 33.00          | PASS    |



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| Test<br>Band(LTE) | Test<br>Mode | Test<br>Bandwidth | Test<br>channel | Test RB | Measured<br>(dBm) | EIRP<br>(dBm) | limit<br>(dBm) | Verdict |
|-------------------|--------------|-------------------|-----------------|---------|-------------------|---------------|----------------|---------|
|                   | LTE/TM2      | 20M               | LCH             | RB1#0   | 20.39             | 19.59         | 33.00          | PASS    |
|                   |              |                   |                 | RB1#50  | 20.29             | 19.49         | 33.00          | PASS    |
|                   |              |                   |                 | RB1#99  | 20.28             | 19.48         | 33.00          | PASS    |
|                   |              |                   |                 | RB50#0  | 19.44             | 18.64         | 33.00          | PASS    |
|                   |              |                   |                 | RB50#25 | 19.42             | 18.62         | 33.00          | PASS    |
|                   |              |                   |                 | RB50#50 | 19.39             | 18.59         | 33.00          | PASS    |
|                   |              |                   |                 | RB100#0 | 19.41             | 18.61         | 33.00          | PASS    |
|                   |              |                   | мсн             | RB1#0   | 20.37             | 19.57         | 33.00          | PASS    |
|                   |              |                   |                 | RB1#50  | 20.32             | 19.52         | 33.00          | PASS    |
|                   |              |                   |                 | RB1#99  | 20.31             | 19.51         | 33.00          | PASS    |
| BAND25            |              |                   |                 | RB50#0  | 19.46             | 18.66         | 33.00          | PASS    |
|                   |              |                   |                 | RB50#25 | 19.43             | 18.63         | 33.00          | PASS    |
|                   |              |                   |                 | RB50#50 | 19.42             | 18.62         | 33.00          | PASS    |
|                   |              |                   |                 | RB100#0 | 19.49             | 18.69         | 33.00          | PASS    |
|                   |              |                   | НСН             | RB1#0   | 20.50             | 19.70         | 33.00          | PASS    |
|                   |              |                   |                 | RB1#50  | 20.31             | 19.51         | 33.00          | PASS    |
|                   |              |                   |                 | RB1#99  | 20.15             | 19.35         | 33.00          | PASS    |
|                   |              |                   |                 | RB50#0  | 19.46             | 18.66         | 33.00          | PASS    |
|                   |              |                   |                 | RB50#25 | 19.34             | 18.54         | 33.00          | PASS    |
|                   |              |                   |                 | RB50#50 | 19.26             | 18.46         | 33.00          | PASS    |
|                   |              |                   |                 | RB100#0 | 19.32             | 18.52         | 33.00          | PASS    |

#### Note:

a: For getting the EIRP (Efficient Isotropic Radiated Power) in substitution method, the following formula should be taken to calculate it,

EIRP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBi]

b: SGP=Signal Generator Level

c: RBW > emission bandwidth, VBW > 3 x RBW.

Detector: RMS



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### 2 Peak-to-Average Ratio

#### Part I - Test Results

| Test Band | Test Mode | Test Channel | Measured[dB] | Limit [dB] | Verdict |
|-----------|-----------|--------------|--------------|------------|---------|
|           | TM1/20M   | LCH          | 5.22         | 13         | PASS    |
|           |           | MCH          | 5.07         | 13         | PASS    |
| Dand 25   |           | HCH          | 5.04         | 13         | PASS    |
| Band 25   | TM2/20M   | LCH          | 6.20         | 13         | PASS    |
|           |           | MCH          | 6.06         | 13         | PASS    |
|           |           | HCH          | 6.12         | 13         | PASS    |



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### Part II - Test Plots

### 2.1 For LTE

### 2.1.1 Test Band = LTE band25

### 2.1.1.1 Test Mode = LTE/TM1.Bandwidth=20MHz

#### 2.1.1.1.1 Test Channel = LCH



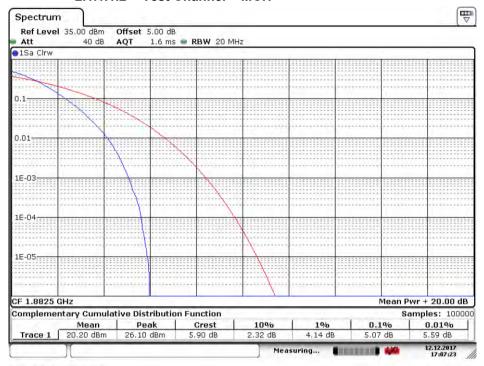
Date: 12.DEC.2017 17;06:24



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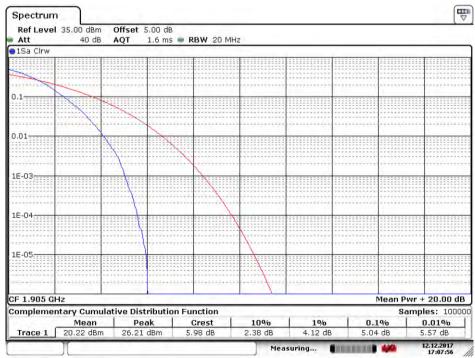
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#### 2.1.1.1.2 Test Channel = MCH



Date: 12.DEC.2017 17:07:24

### 2.1.1.1.3 Test Channel = HCH



Date: 12.DEC.2017 17:07:56

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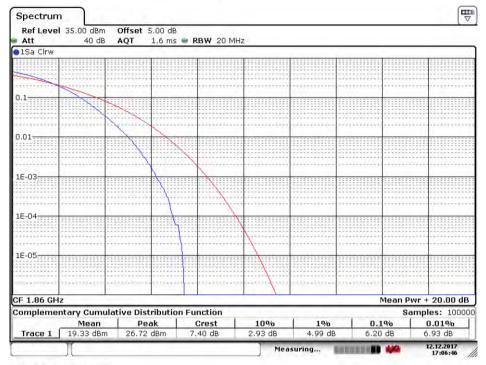


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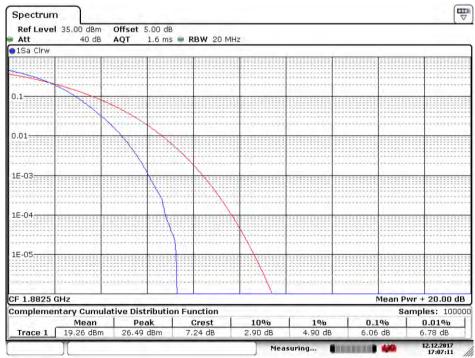
### 2.1.1.2 Test Mode = LTE/TM2.Bandwidth=20MHz

#### 2.1.1.2.1 Test Channel = LCH



Date: 12.DEC.2017 17:06:46

### 2.1.1.2.2 **Test Channel = MCH**



Date: 12.DEC.2017 17:07:12

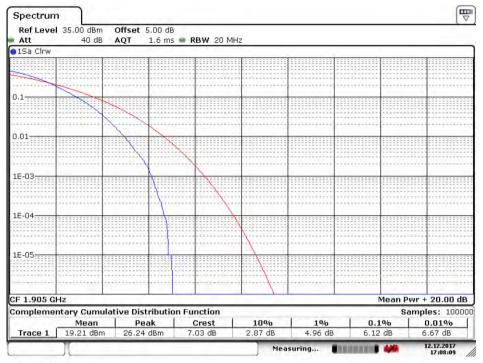
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### 2.1.1.2.3 Test Channel = HCH



Date: 12.DEC.2017 17:08:09



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### 3 Modulation Characteristics

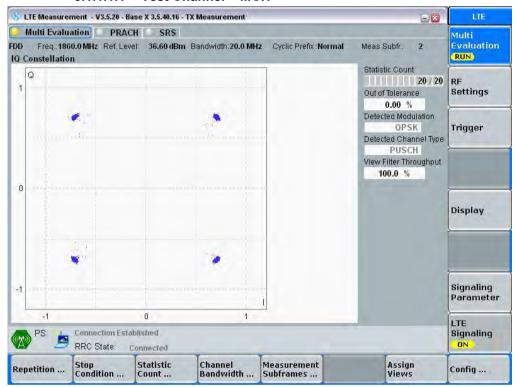
Part I - Test Plots

### 3.1 For LTE

### 3.1.1 Test Band = LTE band25

#### 3.1.1.1 Test Mode = LTE /TM1 20MHz

3.1.1.1.1 Test Channel = MCH



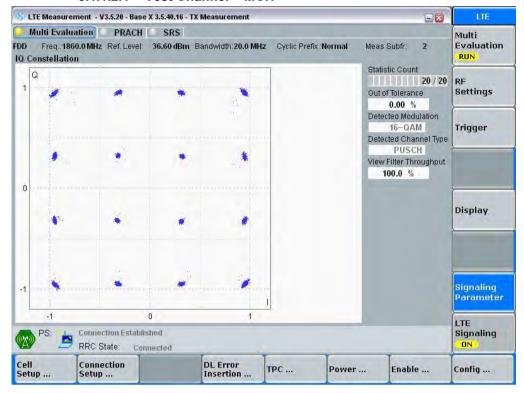


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### 3.1.1.2 Test Mode = LTE /TM2 20MHz

#### 3.1.1.2.1 Test Channel = MCH





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### 4 Bandwidth

### Part I - Test Results

| Test Band | Test Mode  | Test<br>Channel | Occupied Bandwidth [MHz] | Emission<br>Bandwidth [MHz] | Verdict |
|-----------|------------|-----------------|--------------------------|-----------------------------|---------|
|           |            | LCH             | 1.10                     | 1.30                        | PASS    |
|           | TM1/1.4MHz | MCH             | 1.10                     | 1.29                        | PASS    |
|           |            | HCH             | 1.10                     | 1.30                        | PASS    |
|           |            | LCH             | 1.10                     | 1.27                        | PASS    |
|           | TM2/1.4MHz | MCH             | 1.10                     | 1.27                        | PASS    |
|           |            | HCH             | 1.10                     | 1.29                        | PASS    |
|           |            | LCH             | 2.69                     | 2.94                        | PASS    |
|           | TM1/3MHz   | MCH             | 2.69                     | 2.94                        | PASS    |
|           |            | HCH             | 2.69                     | 2.93                        | PASS    |
|           |            | LCH             | 2.67                     | 2.91                        | PASS    |
|           | TM2/3MHz   | MCH             | 2.68                     | 2.95                        | PASS    |
|           |            | HCH             | 2.69                     | 2.92                        | PASS    |
|           |            | LCH             | 4.46                     | 4.90                        | PASS    |
|           | TM1/ 5MHz  | MCH             | 4.47                     | 4.90                        | PASS    |
|           |            | HCH             | 4.50                     | 4.95                        | PASS    |
|           |            | LCH             | 4.47                     | 4.90                        | PASS    |
|           | TM2/ 5MHz  | MCH             | 4.47                     | 4.84                        | PASS    |
| Band 25   |            | HCH             | 4.47                     | 4.87                        | PASS    |
|           |            | LCH             | 8.93                     | 9.63                        | PASS    |
|           | TM1/10MHz  | MCH             | 8.93                     | 9.65                        | PASS    |
|           |            | HCH             | 8.93                     | 9.63                        | PASS    |
|           |            | LCH             | 8.93                     | 9.69                        | PASS    |
|           | TM2/ 10MHz | MCH             | 8.93                     | 9.51                        | PASS    |
|           |            | HCH             | 8.93                     | 9.67                        | PASS    |
|           |            | LCH             | 13.37                    | 14.24                       | PASS    |
|           | TM1/ 15MHz | MCH             | 13.40                    | 14.30                       | PASS    |
|           |            | HCH             | 13.40                    | 14.30                       | PASS    |
|           |            | LCH             | 13.40                    | 14.18                       | PASS    |
|           | TM2/ 15MHz | MCH             | 13.37                    | 14.27                       | PASS    |
|           |            | HCH             | 13.37                    | 14.33                       | PASS    |
|           |            | LCH             | 17.82                    | 19.26                       | PASS    |
|           | TM1/ 20MHz | MCH             | 17.86                    | 19.22                       | PASS    |
|           |            | HCH             | 17.82                    | 19.18                       | PASS    |
|           |            | LCH             | 17.82                    | 19.22                       | PASS    |
|           | TM2/ 20MHz | MCH             | 17.86                    | 19.26                       | PASS    |
|           |            | HCH             | 17.82                    | 19.22                       | PASS    |



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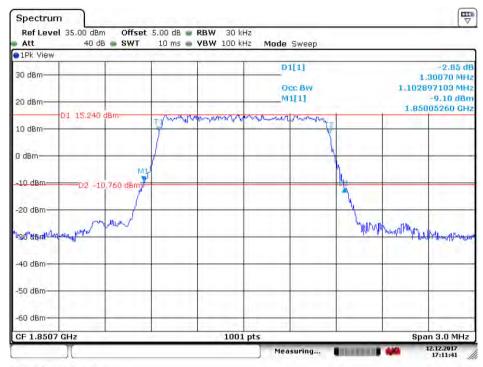
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### 4.1 For LTE

### 4.1.1 Test Band = LTE band25

#### 4.1.1.1 Test Mode = LTE/TM1 1.4MHz

#### 4.1.1.1.1 Test Channel = LCH



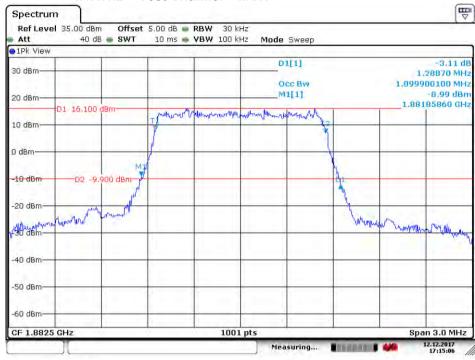
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Report No.: SZEM1701001110301

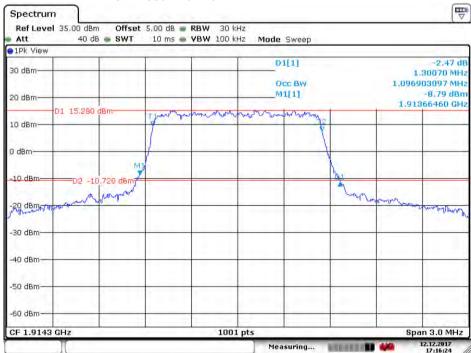
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#### 4.1.1.1.2 Test Channel = MCH



Date: 12.DEC.2017 17:15:06





Date: 12.DEC.2017 17:16:24

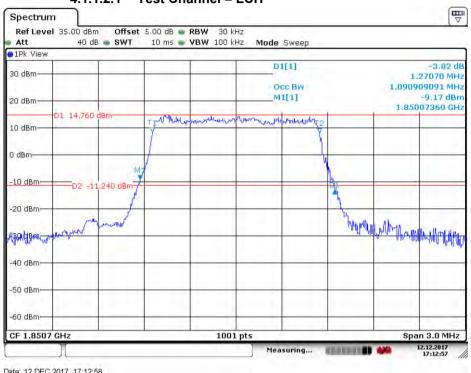


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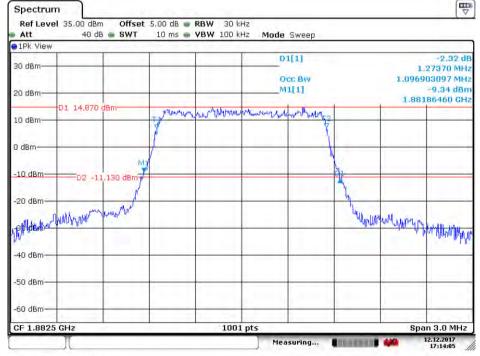
#### 4.1.1.2 Test Mode = LTE/TM2 1.4MHz

#### 4.1.1.2.1 Test Channel = LCH



Date: 12.DEC.2017 17:12:58

#### 4.1.1.2.2 Test Channel = MCH



Date: 12.DEC.2017 17:14:06

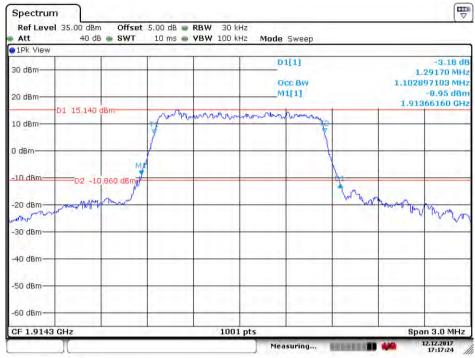
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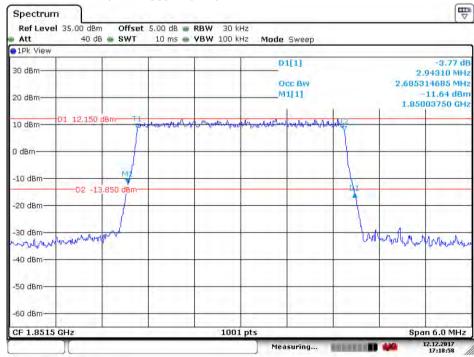
#### 4.1.1.2.3 Test Channel = HCH



Date: 12.DEC.2017 17:17:23

### 4.1.1.3 Test Mode = LTE/TM1 3MHz

#### **4.1.1.3.1** Test Channel = LCH



Date: 12.DEC.2017 17:18:58

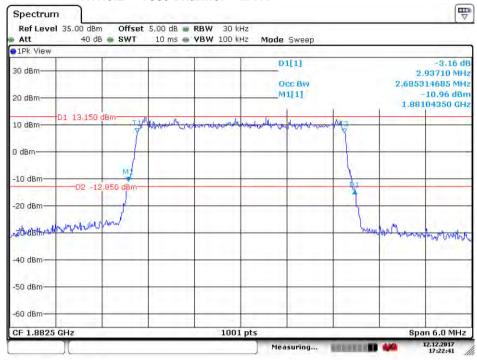
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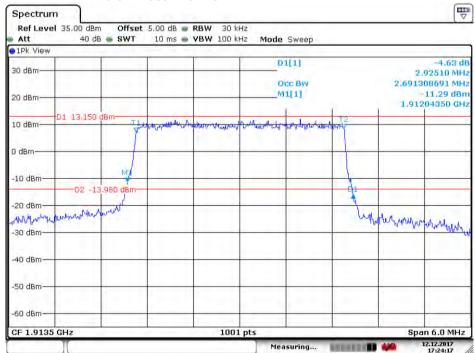
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#### 4.1.1.3.2 Test Channel = MCH



Date: 12.DEC.2017 17:22:42

### 4.1.1.3.3 Test Channel = HCH



Date: 12.DEC.2017 17:24:17

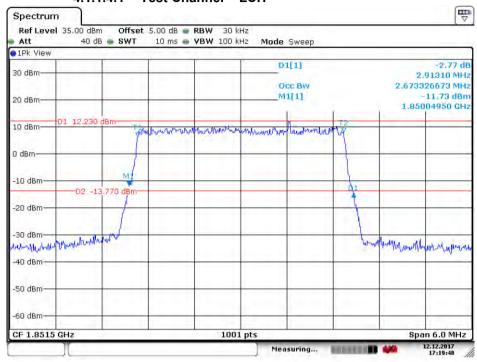


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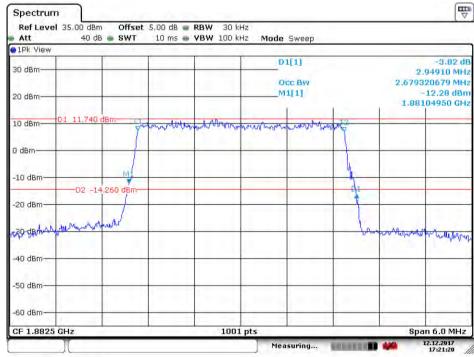
#### 4.1.1.4 Test Mode = LTE/TM2 3MHz

#### 4.1.1.4.1 Test Channel = LCH



Date: 12.DEC:2017 17:19:48

#### 4.1.1.4.2 Test Channel = MCH



Date: 12.DEC.2017 17:21:20

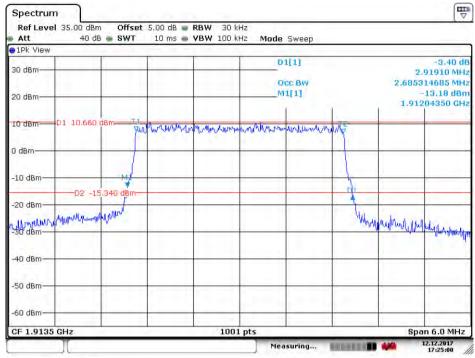
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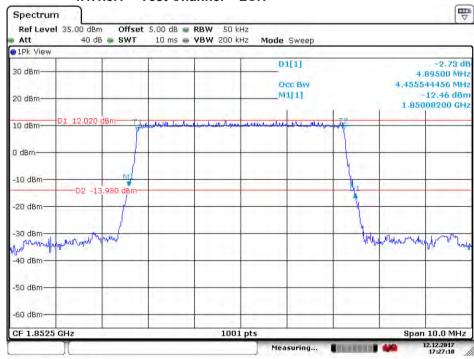
#### **4.1.1.4.3** Test Channel = HCH



Date: 12.DEC.2017 17:25:00

### 4.1.1.5 Test Mode = LTE/TM1 5MHz

#### 4.1.1.5.1 Test Channel = LCH



Date: 12.DEC.2017 17:27:10

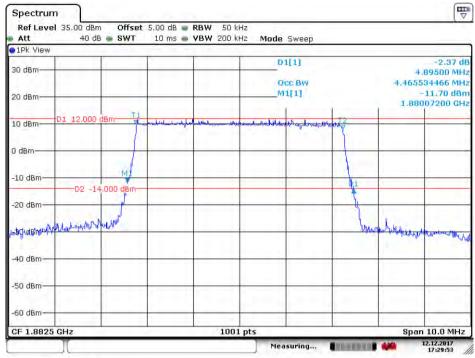
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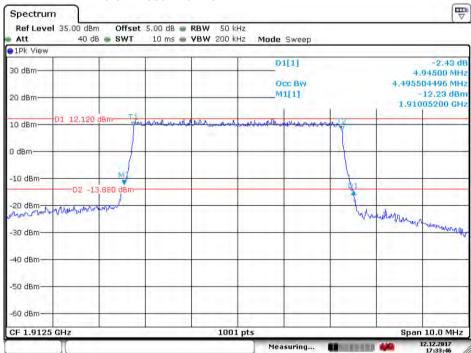
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#### 4.1.1.5.2 Test Channel = MCH



Date: 12.DEC.2017 17:29:53

### 4.1.1.5.3 Test Channel = HCH



Date: 12.DEC.2017 17:33:45

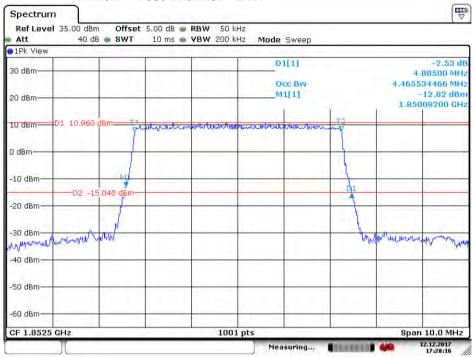


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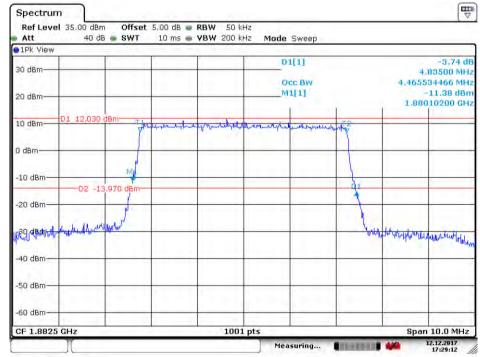
#### 4.1.1.6 Test Mode = LTE/TM2 5MHz

#### 4.1.1.6.1 Test Channel = LCH



Date: 12.DEC.2017 17:28:15

#### 4.1.1.6.2 Test Channel = MCH



Date: 12.DEC.2017 17:29:13

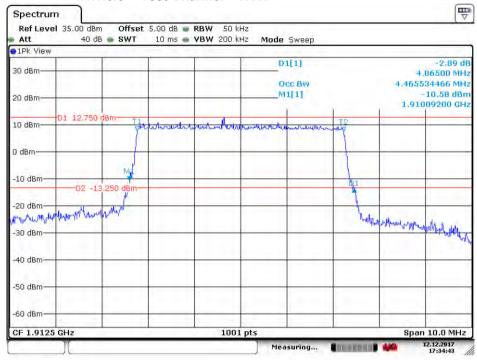
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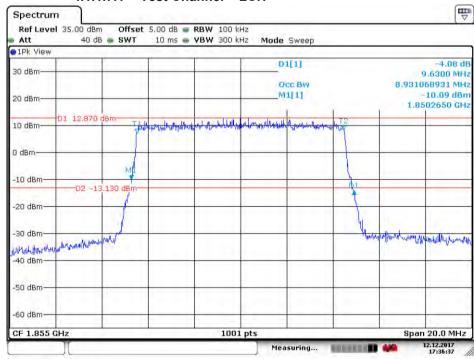
#### 4.1.1.6.3 Test Channel = HCH



Date: 12.DEC.2017 17:34:44

### 4.1.1.7 Test Mode = LTE/TM1 10MHz

#### 4.1.1.7.1 Test Channel = LCH



Date: 12.DEC.2017 17:36:38

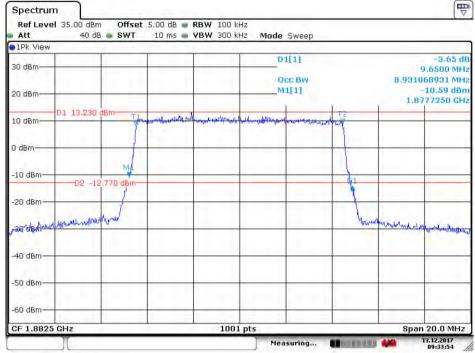
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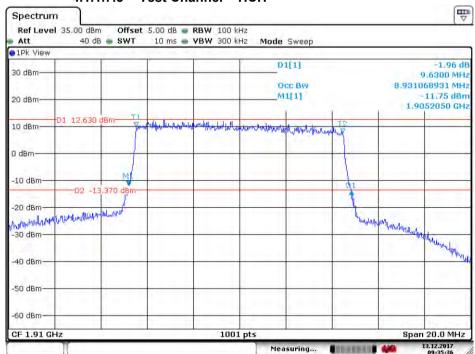
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Date: 13.DEC.2017 09:33:55

#### 4.1.1.7.3 Test Channel = HCH



Date: 13.DEC.2017 09:35:37

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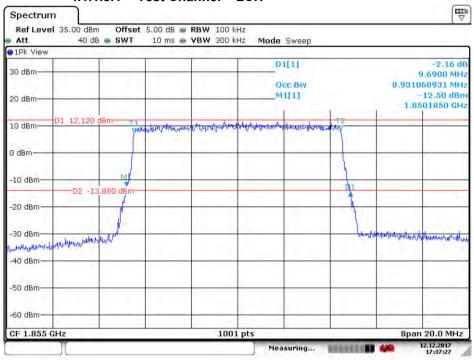


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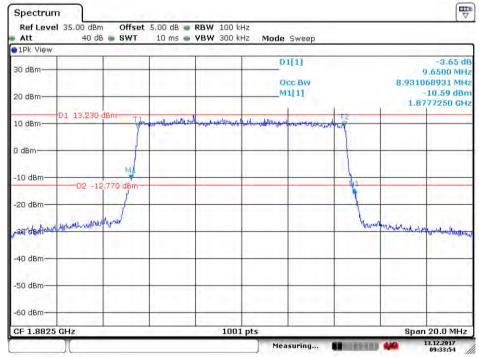
#### 4.1.1.8 Test Mode = LTE/TM2 10MHz

#### 4.1.1.8.1 Test Channel = LCH



Date: 12.DEC.2017 17:37:27

#### 4.1.1.8.2 Test Channel = MCH



Date: 13.DEC:2017 09:33:55

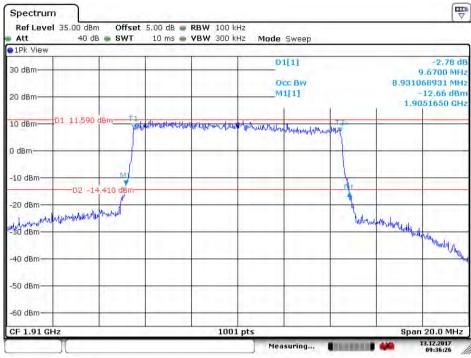
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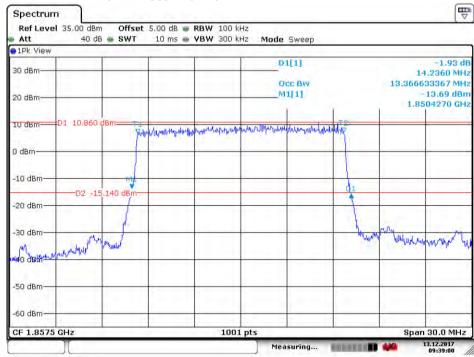
#### 4.1.1.8.3 Test Channel = HCH



Date: 13.DEC.2017 09:36:26

### 4.1.1.9 Test Mode = LTE/TM1 15MHz

#### 4.1.1.9.1 Test Channel = LCH



Date: 13.DEC.2017 09:39:00

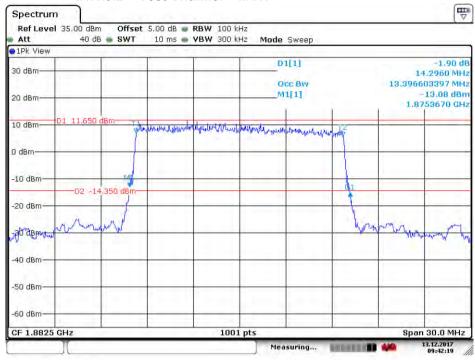
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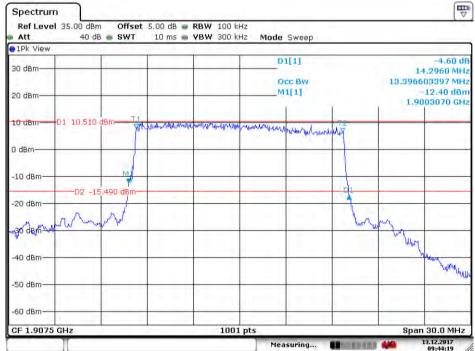
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#### 4.1.1.9.2 Test Channel = MCH



Date: 13.DEC.2017 09:42:20

### 4.1.1.9.3 Test Channel = HCH



Date: 13.DEC.2017 09:44:19

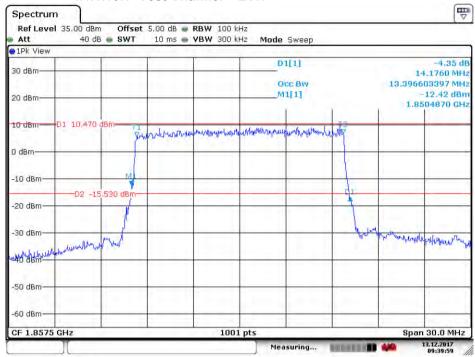


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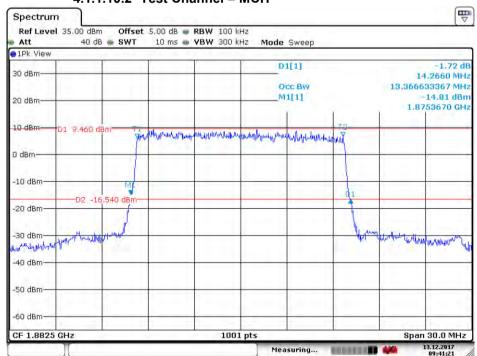
### 4.1.1.10 Test Mode = LTE/TM2 15MHz

#### 4.1.1.10.1 Test Channel = LCH



Date: 13.DEC.2017 09:39:59

### 4.1.1.10.2 Test Channel = MCH



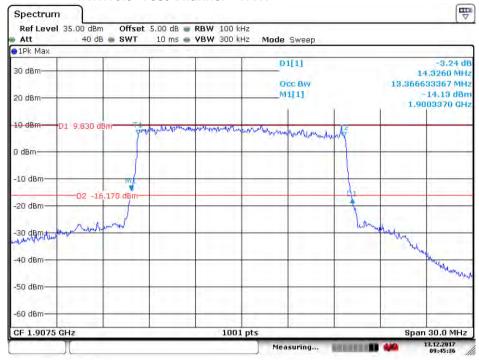
Date: 13.DEC.2017 09:41:21



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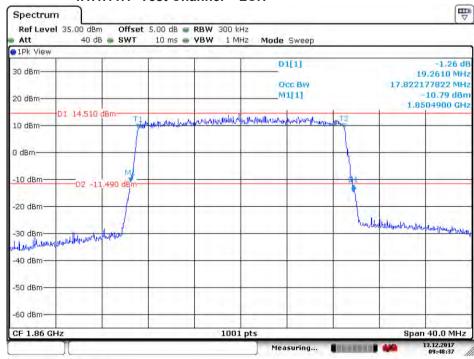
### 4.1.1.10.3 Test Channel = HCH



Date: 13.DEC.2017 09:45:37

### 4.1.1.11 Test Mode = LTE/TM1 20MHz

### 4.1.1.11.1 Test Channel = LCH



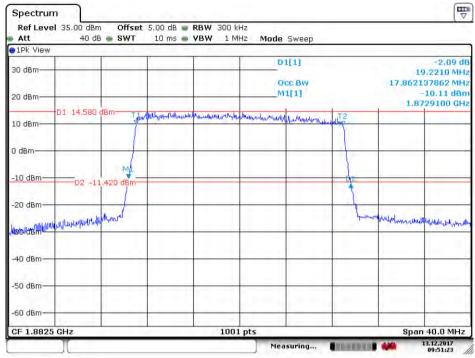
Date: 13.DEC.2017 09:48:37



Report No.: SZEM1701001110301

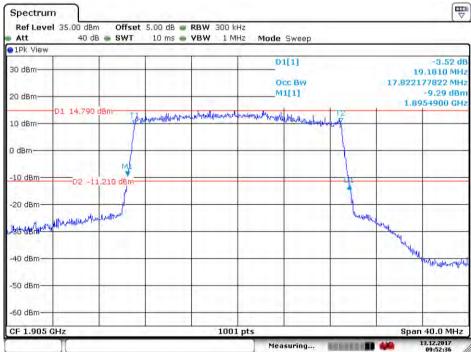
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### 4.1.1.11.2 Test Channel = MCH



Date: 13.DEC.2017 09:51:23

### 4.1.1.11.3 Test Channel = HCH



Date: 13.DEC.2017 09;52:36

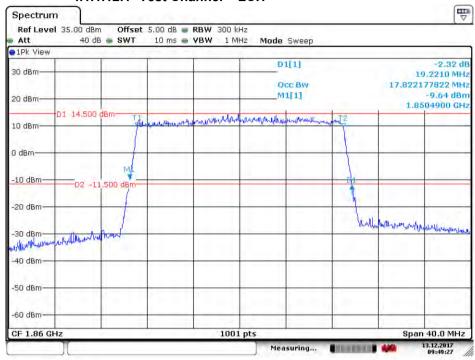


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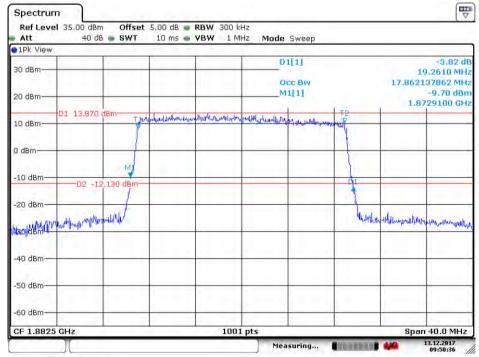
### 4.1.1.12 Test Mode = LTE/TM2 20MHz

#### 4.1.1.12.1 Test Channel = LCH



Date: 13.DEC.2017 09:49:28

### 4.1.1.12.2 Test Channel = MCH



Date: 13.DEC.2017 09:50:37

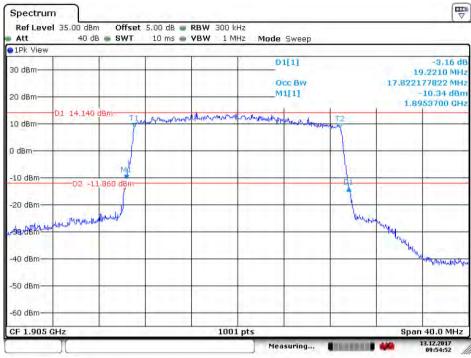
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### 4.1.1.12.3 Test Channel = HCH



Date: 13.DEC.2017 09:54:52



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### 5 Band Edges Compliance

Part I –

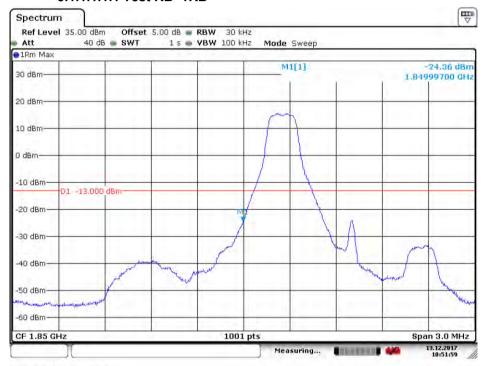
### 5.1 For LTE

### 5.1.1 Test Band = LTE band25

### 5.1.1.1 Test Mode = LTE/TM1 1.4MHz

**5.1.1.1.1** Test Channel = LCH

#### 5.1.1.1.1 Test RB=1RB



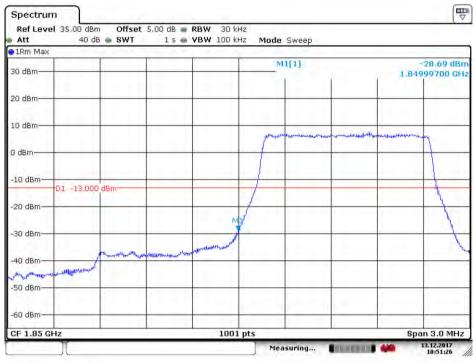
Date: 13.DEC.2017 10:51:59



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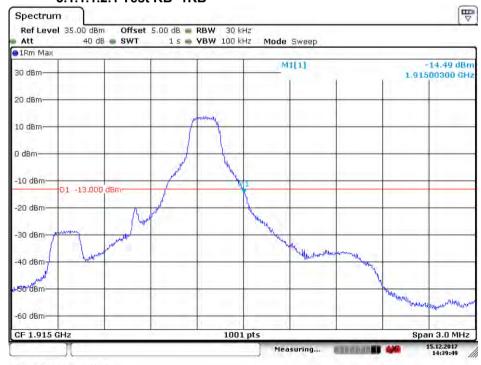
### 5.1.1.1.1.2 Test RB=6RB



Date: 13.DEC.2017 10:51:26

### **5.1.1.1.2** Test Channel = HCH

### 5.1.1.1.2.1 Test RB=1RB



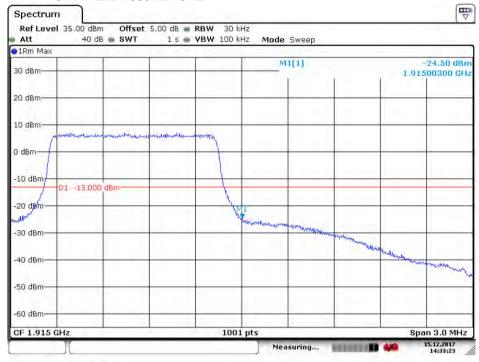
Date: 15.DEC.2017 14:39:49



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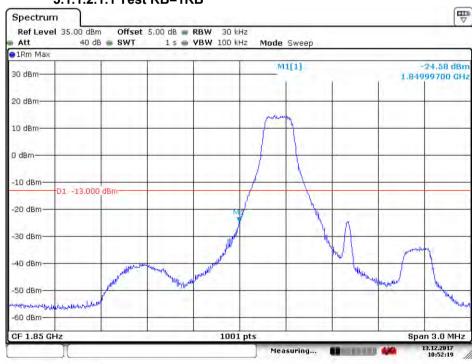
### 5.1.1.1.2.2 Test RB=6RB



Date: 15.DEC.2017 14:33:23

### 5.1.1.2 Test Mode = LTE/TM2 1.4MHz 5.1.1.2.1 Test Channel = LCH

#### 5.1.1.2.1.1 Test RB=1RB



Date: 13.DEC.2017 10:52:20

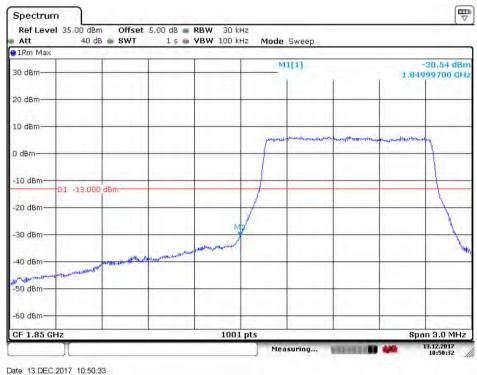
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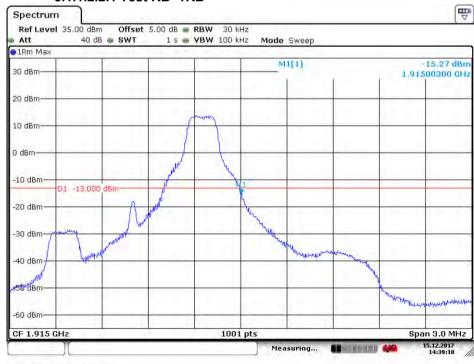
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### 5.1.1.2.1.2 Test RB=6RB



### 5.1.1.2.2 Test Channel = HCH

#### 5.1.1.2.2.1 Test RB=1RB



Date: 15.DEC.2017 14;39:11



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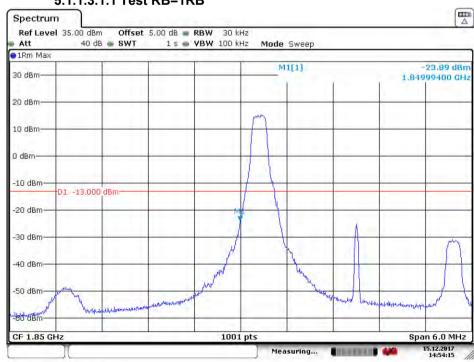
### 5.1.1.2.2.2 Test RB=6RB



Date: 15.DEC.2017 14:34:58

### 5.1.1.3 Test Mode = LTE/TM1 3MHz 5.1.1.3.1 Test Channel = LCH

### 5.1.1.3.1.1 Test RB=1RB



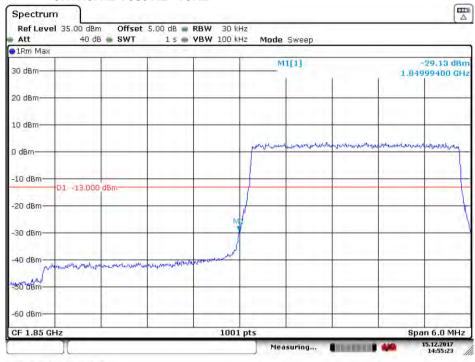
Date: 15.DEC.2017 14:54:15



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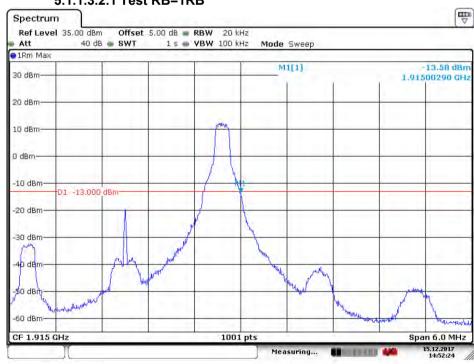
### 5.1.1.3.1.2 Test RB=15RB



Date: 15.DEC.2017 14:55:23

#### 5.1.1.3.2 Test Channel = HCH

### 5.1.1.3.2.1 Test RB=1RB



Date: 15.DEC:2017 14:52:25



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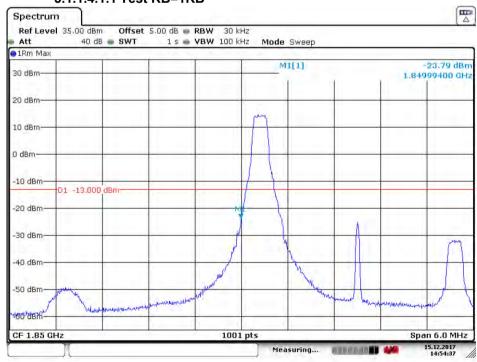
### 5.1.1.3.2.2 Test RB=15RB



Date: 15.DEC.2017 14:42:17

### 5.1.1.4 Test Mode = LTE/TM2 3MHz 5.1.1.4.1 Test Channel = LCH

#### 5.1.1.4.1.1 Test RB=1RB



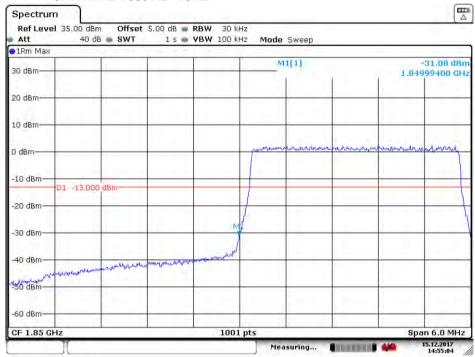
Date: 15.DEC.2017 14:54:38



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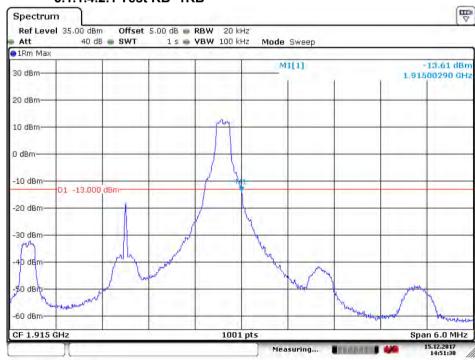
### 5.1.1.4.1.2 Test RB=15RB



Date: 15.DEC:2017 14:55:04

#### 5.1.1.4.2 Test Channel = HCH

#### 5.1.1.4.2.1 Test RB=1RB



Date: 15.DEC.2017 14:51:30



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### 5.1.1.4.3 Test RB=15RB

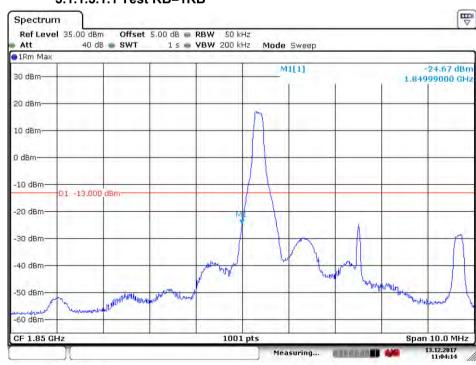


Date: 15.DEC.2017 14:42:53

### 5.1.1.5 Test Mode = LTE/TM1 5MHz

### **5.1.1.5.1** Test Channel = LCH

### 5.1.1.5.1.1 Test RB=1RB



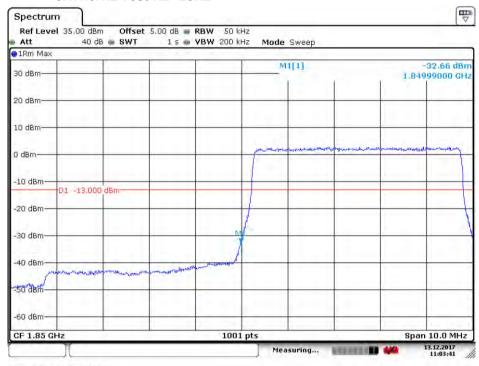
Date: 13.DEC.2017 11:04:15



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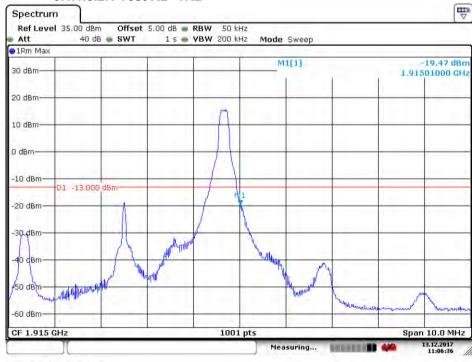
#### 5.1.1.5.1.2 Test RB=25RB



Date: 13.DEC.2017 11:03:42

### **5.1.1.5.2** Test Channel = HCH

#### 5.1.1.5.2.1 Test RB=1RB



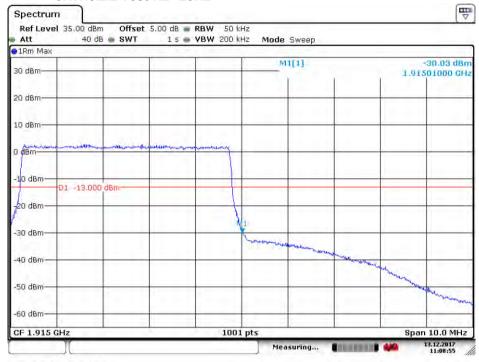
Date: 13.DEC.2017 11:06:37



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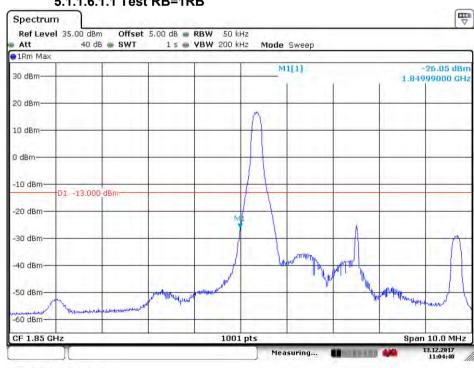
### 5.1.1.5.2.2 Test RB=25RB



Date: 13.DEC.2017 11:08:56

### 5.1.1.6 Test Mode = LTE/TM2 5MHz **5.1.1.6.1** Test Channel = LCH

#### 5.1.1.6.1.1 Test RB=1RB



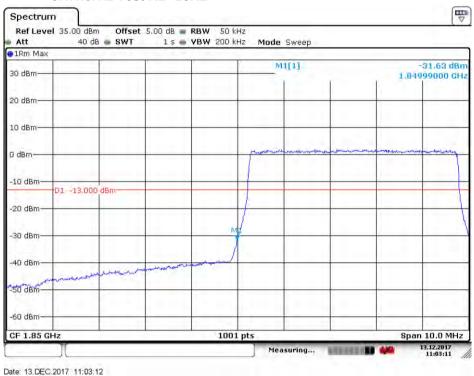
Date: 13.DEC.2017 11:04:40



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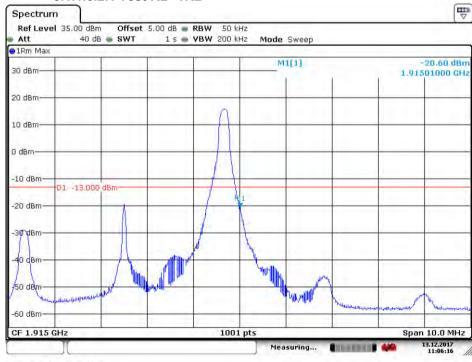
### 5.1.1.6.1.2 Test RB=25RB



Date: 13.DEC.2017 11,03.12

### **5.1.1.6.2** Test Channel = HCH

#### 5.1.1.6.2.1 Test RB=1RB



Date: 13.DEC.2017 11:06:16

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### 5.1.1.6.2.2 Test RB=25RB

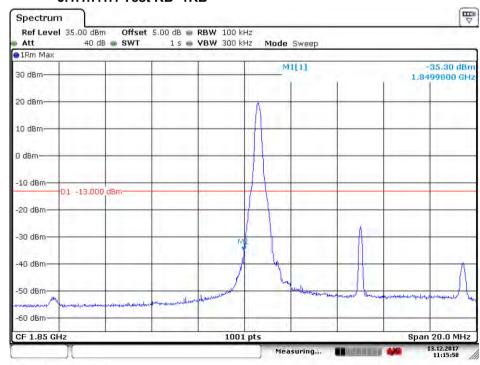


Date: 13.DEC.2017 11;09:17

### 5.1.1.7 Test Mode = LTE/TM1 10MHz

#### **5.1.1.7.1** Test Channel = LCH

### 5.1.1.7.1.1 Test RB=1RB



Date: 13.DEC.2017 11:15:59

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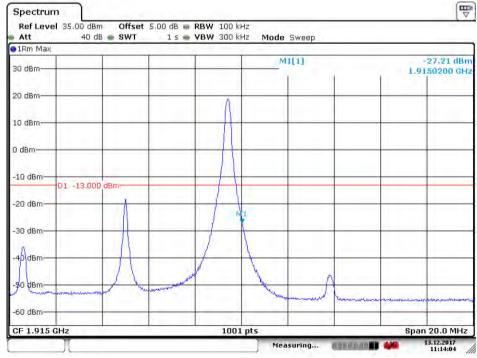
### 5.1.1.7.1.2 Test RB=50RB



Date: 13.DEC.2017 11:16:30

### **5.1.1.7.2** Test Channel = HCH

#### 5.1.1.7.2.1 Test RB=1RB



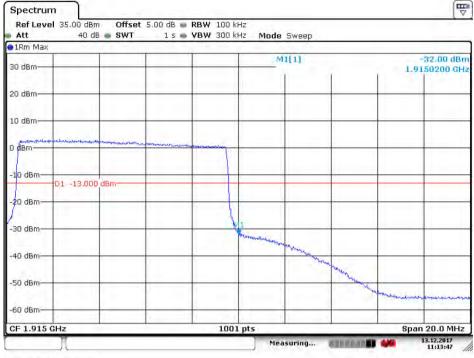
Date: 13.DEC.2017 11:14:05



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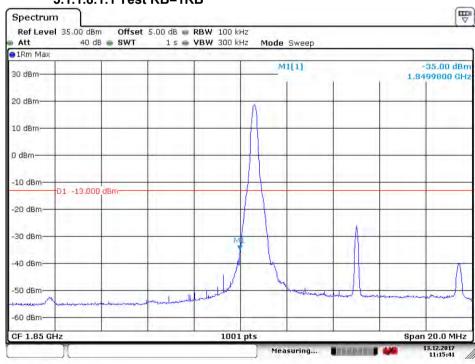
### 5.1.1.7.2.2 Test RB=50RB



Date: 13.DEC.2017 11:13:47

### 5.1.1.8 Test Mode = LTE/TM2 10MHz 5.1.1.8.1 Test Channel = LCH

#### 5.1.1.8.1.1 Test RB=1RB



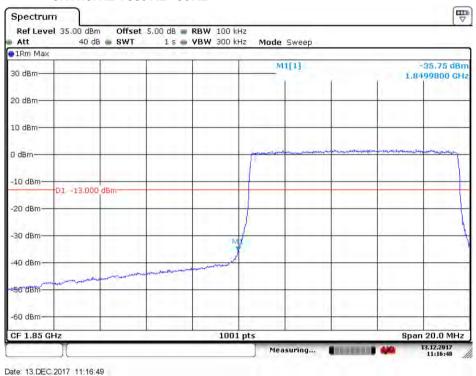
Date: 13.DEC.2017 11:15:41



Report No.: SZEM1701001110301

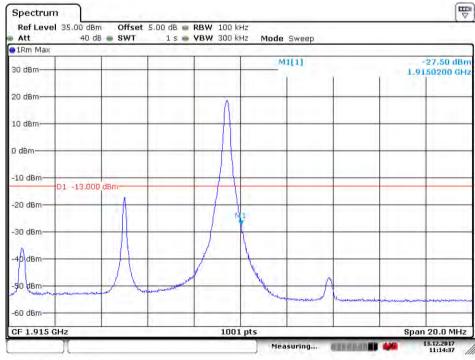
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#### 5.1.1.8.1.2 Test RB=50RB



### 5.1.1.8.2 Test Channel = HCH

#### 5.1.1.8.2.1 Test RB=1RB



Date: 13.DEC.2017 11:14:38



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### 5.1.1.8.2.2 Test RB=50RB

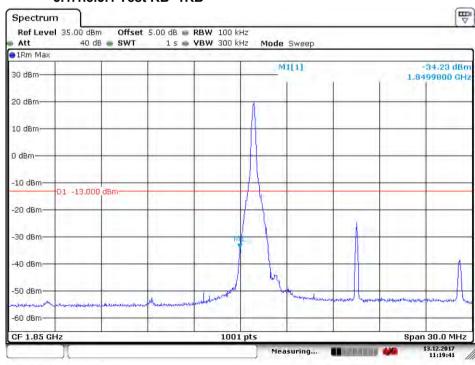


Date: 13.DEC.2017 11:13:20

### Test Mode = LTE/TM1 15MHz

#### 5.1.1.8.3 Test Channel = LCH

### 5.1.1.8.3.1 Test RB=1RB



Date: 13.DEC.2017 11:19:42

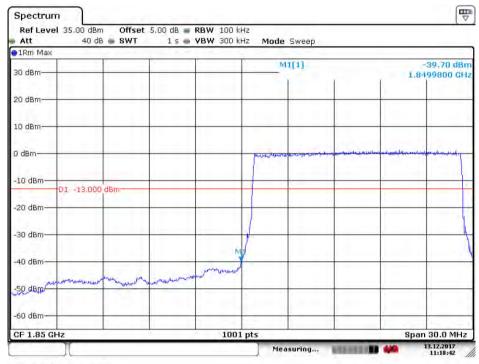
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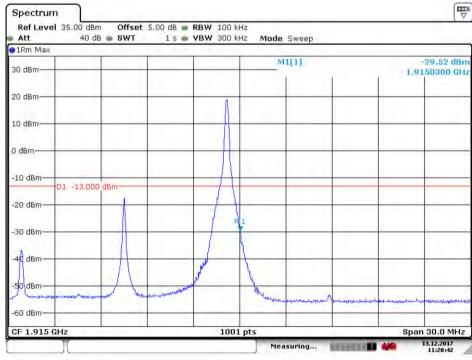
### 5.1.1.8.3.2 Test RB=75RB



Date: 13.DEC.2017 11:18:43

### **5.1.1.8.4** Test Channel = HCH

#### 5.1.1.8.4.1 Test RB=1RB



Date: 13.DEC.2017 11:20:43

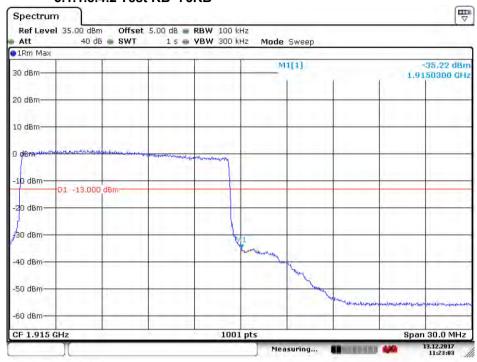
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### 5.1.1.8.4.2 Test RB=75RB

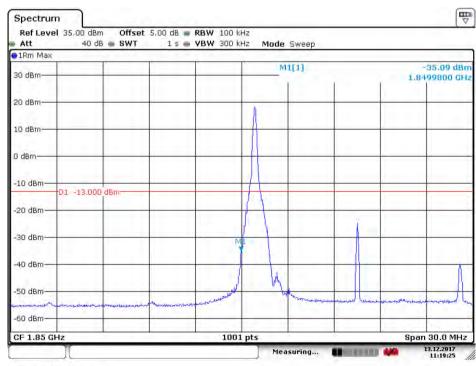


Date: 13.DEC:2017 11:23:03

### 5.1.1.9 Test Mode = LTE/TM2 15MHz

### **5.1.1.9.1** Test Channel = LCH

### 5.1.1.9.1.1 Test RB=1RB



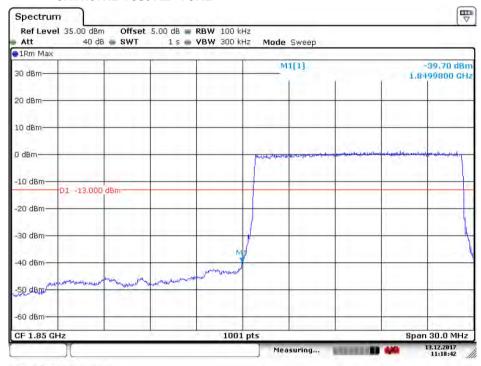
Date: 13.DEC.2017 11:19:25



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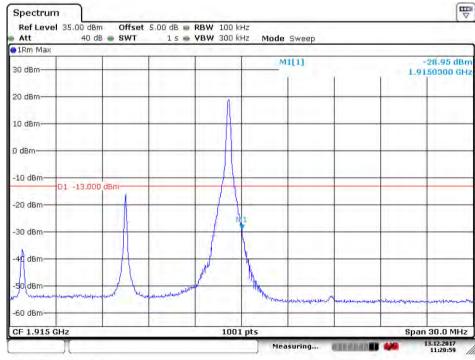
#### 5.1.1.9.1.2 Test RB=75RB



Date: 13.DEC.2017 11:18:43

### 5.1.1.9.2 Test Channel = HCH

#### 5.1.1.9.2.1 Test RB=1RB



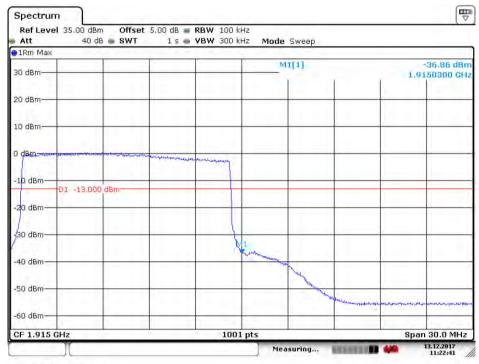
Date: 13.DEC.2017 11:21:00



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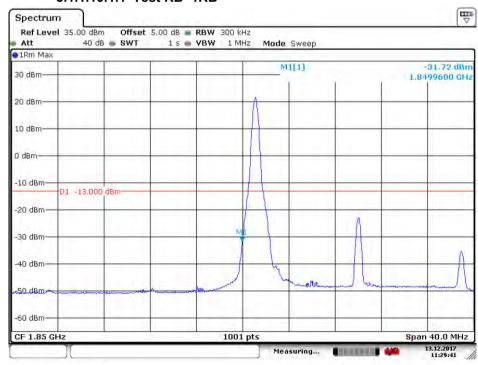
### 5.1.1.9.2.2 Test RB=75RB



Date: 13.DEC.2017 11:22:41

### 5.1.1.10 Test Mode = LTE/TM1 20MHz 5.1.1.10.1 Test Channel = LCH

### 5.1.1.10.1.1 Test RB=1RB



Date: 13.DEC:2017 11:29:42



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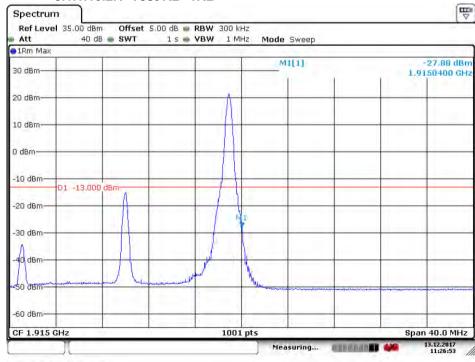
### 5.1.1.10.1.2 Test RB=100RB



Date: 13.DEC.2017 11:29:24

### 5.1.1.10.2 Test Channel = HCH

#### 5.1.1.10.2.1 Test RB=1RB



Date: 13.DEC.2017 11:26:53

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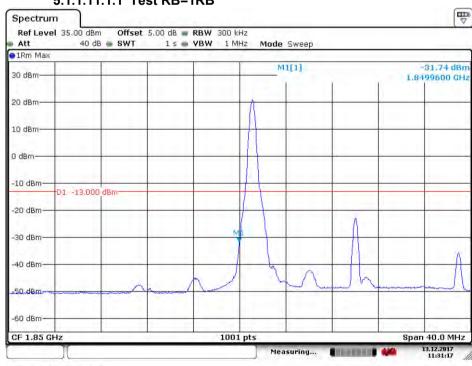
### 5.1.1.10.2.2 Test RB=100RB



Date: 13.DEC.2017 11:27:35

### 5.1.1.11 Test Mode = LTE/TM2 20MHz 5.1.1.11.1 Test Channel = LCH

#### 5.1.1.11.1.1 Test RB=1RB



Date: 13.DEC.2017 11:31:17

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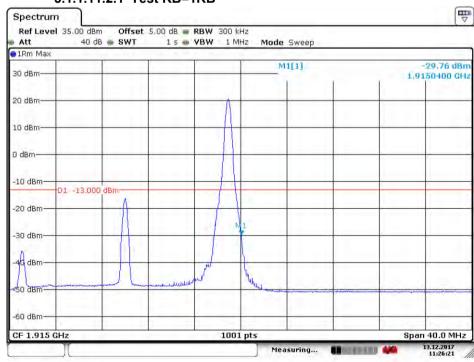
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### 5.1.1.11.1.2 Test RB=100RB



### 5.1.1.11.2 Test Channel = HCH

### 5.1.1.11.2.1 Test RB=1RB



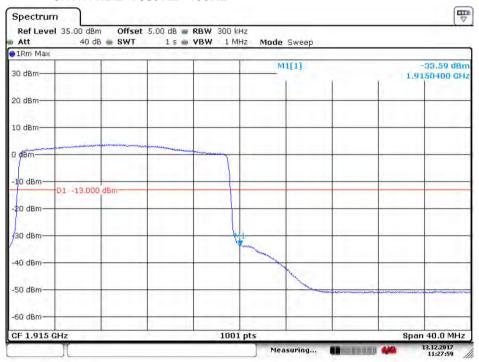
Date: 13.DEC.2017 11:26:21



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### 5.1.1.11.2.2 Test RB=100RB



Date: 13.DEC:2017 11:27:59



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### 6 Spurious Emission at Antenna Terminal

NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of < RBW/2 so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = k \* (Span / RBW)" with k = 4 \* (Span / RBW) with k = 4 \* (Span / RBW)

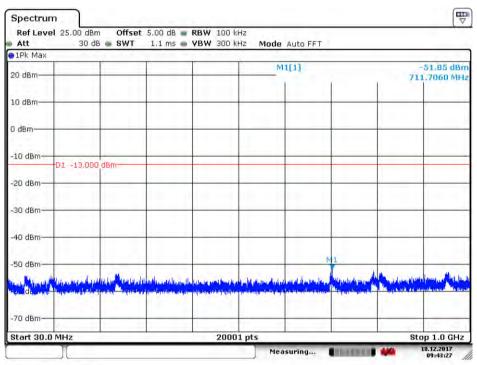
Part I - Test Plots

### 6.1 For LTE

#### 6.1.1 Test Band = LTE band25

#### 6.1.1.1 Test Mode = LTE / TM1 20MHz RB1#0

#### 6.1.1.1.1 Test Channel = LCH

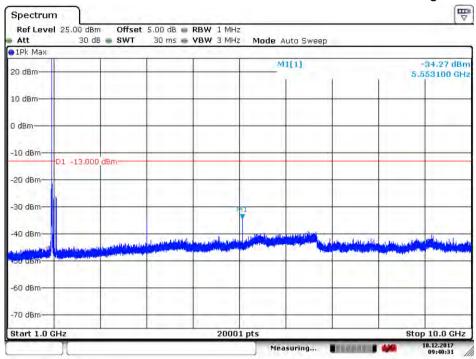


Date: 18.DEC.2017 09:43:28

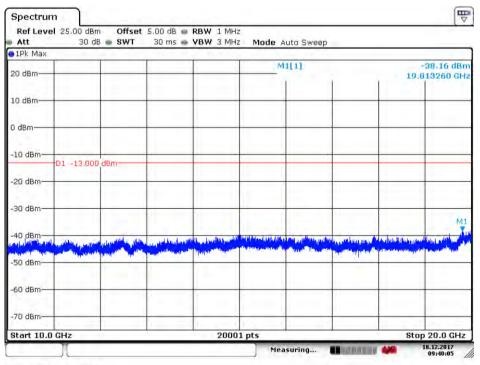


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Date: 18.DEC.2017 09:40:31



Date: 18.DEC.2017 09:40:05

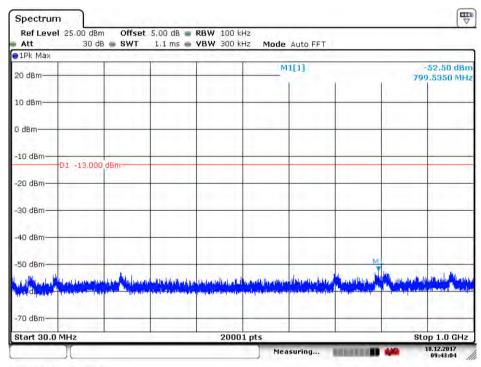
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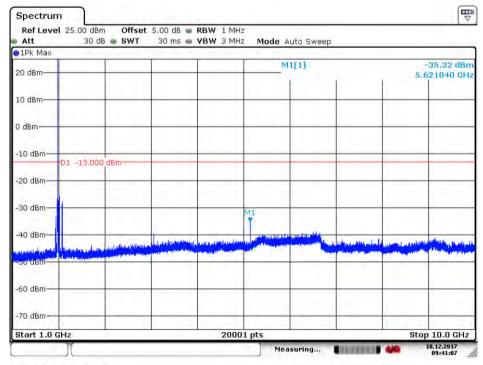
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### 6.1.1.1.2 Test Channel = MCH



Date: 18.DEC.2017 09:43:04



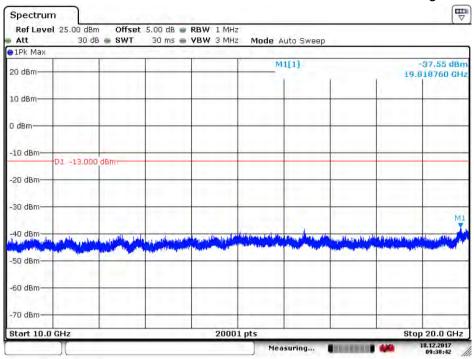
Date: 18.DEC.2017 09:41:08

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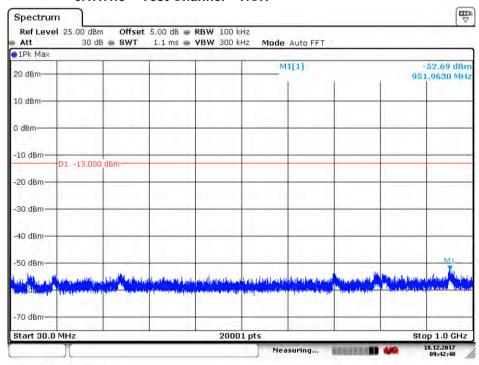
Report No.: SZEM1701001110301

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Date: 18.DEC.2017 09:38:43

#### 6.1.1.1.3 Test Channel = HCH



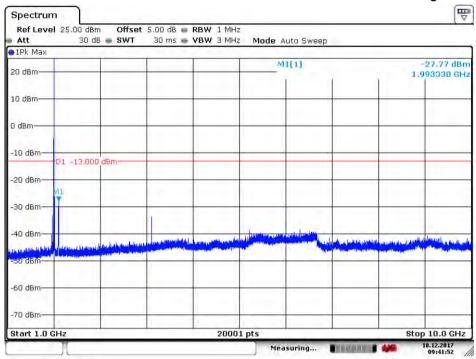
Date: 18.DEC.2017 09:42:40

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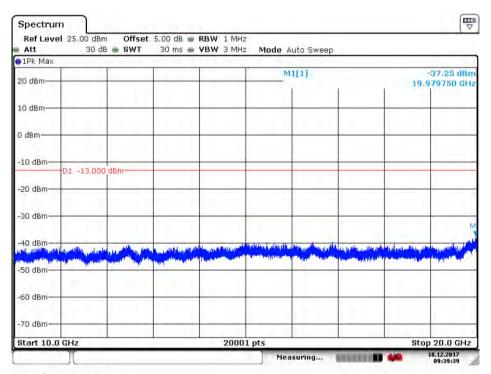


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Date: 18.DEC.2017 09:41:52



Date: 18.DEC.2017 09:39:40

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### 7 Field Strength of Spurious Radiation

### 7.1 For LTE

### 7.1.1 Test Band = LTE band25

### 7.1.1.1 Test Mode =LTE/TM1 20MHz RB1#0

#### 7.1.1.1.1 Test Channel = LCH

| / - 1 - 1 - 1 - 1 | rest Chailler - LC | 711              |                 |              |
|-------------------|--------------------|------------------|-----------------|--------------|
| Frequency (MHz)   | Level (dBm)        | Limit Line (dBm) | Over Limit (dB) | Polarization |
| 72.550000         | -70.78             | -13.00           | -57.78          | Vertical     |
| 300.950000        | -74.53             | -13.00           | -61.53          | Vertical     |
| 2789.500000       | -57.73             | -13.00           | -44.73          | Vertical     |
| 3702.000000       | -57.06             | -13.00           | -44.06          | Vertical     |
| 5553.200000       | -53.23             | -13.00           | -40.23          | Vertical     |
| 7404.400000       | -50.02             | -13.00           | -37.02          | Vertical     |
| 65.000000         | -76.26             | -13.00           | -63.26          | Horizontal   |
| 131.250000        | -70.22             | -13.00           | -57.22          | Horizontal   |
| 164.850000        | -68.79             | -13.00           | -55.79          | Horizontal   |
| 3702.000000       | -48.54             | -13.00           | -35.54          | Horizontal   |
| 5553.200000       | -50.16             | -13.00           | -37.16          | Horizontal   |
| 7404.400000       | -48.13             | -13.00           | -35.13          | Horizontal   |

### 7.1.1.1.2 Test Channel = MCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Over Limit (dB) | Polarization |
|-----------------|-------------|------------------|-----------------|--------------|
| 73.750000       | -69.54      | -13.00           | -56.54          | Vertical     |
| 300.650000      | -73.19      | -13.00           | -60.19          | Vertical     |
| 1202.000000     | -66.16      | -13.00           | -53.16          | Vertical     |
| 3747.175000     | -54.27      | -13.00           | -41.27          | Vertical     |
| 5620.800000     | -55.90      | -13.00           | -42.90          | Vertical     |
| 7494.425000     | -52.92      | -13.00           | -39.92          | Vertical     |
| 63.850000       | -74.45      | -13.00           | -61.45          | Horizontal   |
| 163.200000      | -67.33      | -13.00           | -54.33          | Horizontal   |
| 1525.000000     | -57.95      | -13.00           | -44.95          | Horizontal   |
| 3747.175000     | -47.13      | -13.00           | -34.13          | Horizontal   |
| 5620.475000     | -51.30      | -13.00           | -38.30          | Horizontal   |
| 7494.425000     | -49.15      | -13.00           | -36.15          | Horizontal   |



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### 7.1.1.1.3 Test Channel = HCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Over Limit (dB) | Polarization |
|-----------------|-------------|------------------|-----------------|--------------|
| 40.150000       | -73.03      | -13.00           | -60.03          | Vertical     |
| 74.850000       | -73.79      | -13.00           | -60.79          | Vertical     |
| 166.250000      | -71.69      | -13.00           | -58.69          | Vertical     |
| 3792.025000     | -53.19      | -13.00           | -40.19          | Vertical     |
| 5688.075000     | -53.91      | -13.00           | -40.91          | Vertical     |
| 7584.450000     | -52.05      | -13.00           | -39.05          | Vertical     |
| 126.200000      | -74.82      | -13.00           | -61.82          | Horizontal   |
| 164.200000      | -71.91      | -13.00           | -58.91          | Horizontal   |
| 2743.000000     | -57.38      | -13.00           | -44.38          | Horizontal   |
| 3792.025000     | -44.55      | -13.00           | -31.55          | Horizontal   |
| 5688.075000     | -51.46      | -13.00           | -38.46          | Horizontal   |
| 7584.450000     | -49.56      | -13.00           | -36.56          | Horizontal   |

### NOTE:

1) The disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.



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### 8 Frequency Stability

### 8.1 Frequency Error VS. Voltage

| Test Band  | Test Mode      | Test<br>Channel | Test<br>Temp. | Test<br>Volt. | Freq. Error<br>[Hz] | Freq. vs.<br>rated [ppm] | Verdict |
|------------|----------------|-----------------|---------------|---------------|---------------------|--------------------------|---------|
|            |                | LCH             | TN            | VL            | -4.64               | -0.00249                 | PASS    |
|            |                |                 |               | VN            | 3.42                | 0.00184                  | PASS    |
|            |                |                 |               | VH            | -6.53               | -0.00351                 | PASS    |
|            |                |                 |               | VL            | 1.49                | 0.00079                  | PASS    |
|            | LTE/TM1 20 MHz | MCH             | TN            | VN            | -6.84               | -0.00363                 | PASS    |
|            |                |                 |               | VH            | 2.23                | 0.00118                  | PASS    |
|            |                | НСН             | TN            | VL            | -3.86               | -0.00203                 | PASS    |
|            |                |                 |               | VN            | -5.12               | -0.00269                 | PASS    |
| 1 TEI: 105 |                |                 |               | VH            | -2.74               | -0.00144                 | PASS    |
| LTEband25  | LTE/TM2 20MHz  | LCH             | TN            | VL            | -4.26               | -0.00229                 | PASS    |
|            |                |                 |               | VN            | -2.24               | -0.00120                 | PASS    |
|            |                |                 |               | VH            | -3.66               | -0.00197                 | PASS    |
|            |                | МСН             | TN            | VL            | 5.56                | 0.00295                  | PASS    |
|            |                |                 |               | VN            | -0.50               | -0.00027                 | PASS    |
|            |                |                 |               | VH            | 4.39                | 0.00233                  | PASS    |
|            |                | НСН             |               | VL            | -3.08               | -0.00162                 | PASS    |
|            |                |                 | TN            | VN            | -8.12               | -0.00426                 | PASS    |
|            |                |                 |               | VH            | 4.34                | 0.00228                  | PASS    |



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### 8.2 Frequency Error VS. Temperature

| Test Band | Test Mode     | Test<br>Channel | Test<br>Volt. | Test<br>Temp. | Freq.<br>Error<br>[Hz] | Freq. vs.<br>rated [ppm] | Verdict |
|-----------|---------------|-----------------|---------------|---------------|------------------------|--------------------------|---------|
|           |               |                 |               | -30           | -2.49                  | -0.00134                 | PASS    |
|           |               |                 |               | -20           | -3.35                  | -0.00180                 | PASS    |
|           |               |                 |               | -10           | -2.18                  | -0.00117                 | PASS    |
|           |               |                 |               | 0             | 0.70                   | 0.00038                  | PASS    |
|           |               | LCH             | VN            | 10            | 1.65                   | 0.00089                  | PASS    |
|           |               |                 |               | 20            | 0.22                   | 0.00012                  | PASS    |
|           |               |                 |               | 30            | -0.67                  | -0.00036                 | PASS    |
|           |               |                 |               | 40            | -0.13                  | -0.00007                 | PASS    |
|           |               |                 |               | 50            | 0.39                   | 0.00021                  | PASS    |
|           | LTE/TM1 20MHz | МСН             | VN            | -30           | -2.86                  | -0.00152                 | PASS    |
|           |               |                 |               | -20           | -5.95                  | -0.00316                 | PASS    |
|           |               |                 |               | -10           | -5.43                  | -0.00288                 | PASS    |
|           |               |                 |               | 0             | -5.66                  | -0.00301                 | PASS    |
| LTEband25 |               |                 |               | 10            | -0.34                  | -0.00018                 | PASS    |
|           |               |                 |               | 20            | -4.24                  | -0.00225                 | PASS    |
|           |               |                 |               | 30            | -3.76                  | -0.00200                 | PASS    |
|           |               |                 |               | 40            | -4.12                  | -0.00219                 | PASS    |
|           |               |                 |               | 50            | -1.72                  | -0.00091                 | PASS    |
|           |               | НСН             |               | -30           | 0.44                   | 0.00023                  | PASS    |
|           |               |                 |               | -20           | -1.13                  | -0.00059                 | PASS    |
|           |               |                 |               | -10           | 1.73                   | 0.00091                  | PASS    |
|           |               |                 |               | 0             | -2.33                  | -0.00122                 | PASS    |
|           |               |                 | VN            | 10            | 2.01                   | 0.00106                  | PASS    |
|           |               |                 |               | 20            | -3.97                  | -0.00208                 | PASS    |
|           |               |                 |               | 30            | -2.10                  | -0.00110                 | PASS    |
|           |               |                 |               | 40            | -3.53                  | -0.00185                 | PASS    |
|           |               |                 |               | 50            | -8.90                  | -0.00467                 | PASS    |



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| Test Band | Test Mode     | Test<br>Channel | Test<br>Volt. | Test<br>Temp. | Freq.<br>Error<br>[Hz] | Freq. vs.<br>rated [ppm] | Verdict |
|-----------|---------------|-----------------|---------------|---------------|------------------------|--------------------------|---------|
|           |               |                 |               | -30           | -0.58                  | -0.00031                 | PASS    |
|           |               |                 |               | -20           | -2.44                  | -0.00131                 | PASS    |
|           |               |                 |               | -10           | 3.32                   | 0.00178                  | PASS    |
|           |               |                 |               | 0             | 2.67                   | 0.00144                  | PASS    |
|           |               | LCH             | VN            | 10            | 1.64                   | 0.00088                  | PASS    |
|           |               |                 |               | 20            | -0.03                  | -0.00002                 | PASS    |
|           |               |                 |               | 30            | -0.54                  | -0.00029                 | PASS    |
|           |               |                 |               | 40            | 3.34                   | 0.00180                  | PASS    |
|           |               |                 |               | 50            | 2.79                   | 0.00150                  | PASS    |
|           | LTE/TM2 20MHz | МСН             |               | -30           | -5.80                  | -0.00308                 | PASS    |
|           |               |                 | VN            | -20           | -5.68                  | -0.00302                 | PASS    |
|           |               |                 |               | -10           | -7.49                  | -0.00398                 | PASS    |
|           |               |                 |               | 0             | -4.22                  | -0.00224                 | PASS    |
| LTEband25 |               |                 |               | 10            | -0.84                  | -0.00045                 | PASS    |
|           |               |                 |               | 20            | 1.04                   | 0.00055                  | PASS    |
|           |               |                 |               | 30            | -2.64                  | -0.00140                 | PASS    |
|           |               |                 |               | 40            | 3.62                   | 0.00192                  | PASS    |
|           |               |                 |               | 50            | -3.31                  | -0.00176                 | PASS    |
|           |               | нсн             |               | -30           | 1.64                   | 0.00086                  | PASS    |
|           |               |                 |               | -20           | -2.75                  | -0.00144                 | PASS    |
|           |               |                 |               | -10           | 1.99                   | 0.00104                  | PASS    |
|           |               |                 |               | 0             | -3.23                  | -0.00170                 | PASS    |
|           |               |                 | VN            | 10            | 2.48                   | 0.00130                  | PASS    |
|           |               |                 |               | 20            | -1.77                  | -0.00093                 | PASS    |
|           |               |                 |               | 30            | -2.19                  | -0.00115                 | PASS    |
|           |               |                 |               | 40            | -4.03                  | -0.00212                 | PASS    |
|           |               |                 |               | 50            | -3.60                  | -0.00189                 | PASS    |

The End