



Appendix B

LTE-M1 BAND12



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1 Effective (Isotropic) Radiated Power Output Data

Effective Isotropic Radiated Power of Transmitter (EIRP) for LTE-M1 BAND12

| Test Band(LTE) | Test Mode | Test Bandwidth | Test channel | Test RB | Measured (dBm) | ERP (dBm) | limit (dBm) | Verdict |
|----------------|------------|----------------|--------------|---------|----------------|-----------|-------------|---------|
| BAND12 | LTE-M1/TM1 | 1.4M | LCH | RB1#0 | 23.37 | 20.62 | 34.77 | PASS |
| | | | | RB1#5 | 23.43 | 20.68 | 34.77 | PASS |
| | | | | RB6#0 | 22.21 | 19.46 | 34.77 | PASS |
| | | | MCH | RB1#0 | 23.19 | 20.44 | 34.77 | PASS |
| | | | | RB1#5 | 23.21 | 20.46 | 34.77 | PASS |
| | | | | RB6#0 | 22.22 | 19.47 | 34.77 | PASS |
| | | | HCH | RB1#0 | 23.13 | 20.38 | 34.77 | PASS |
| | | | | RB1#5 | 23.16 | 20.41 | 34.77 | PASS |
| | | | | RB6#0 | 22.05 | 19.3 | 34.77 | PASS |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test channel | Test RB | Measured (dBm) | ERP (dBm) | limit (dBm) | Verdict |
|----------------|------------|----------------|--------------|---------|----------------|-----------|-------------|---------|
| BAND12 | LTE-M1/TM2 | 1.4M | LCH | RB1#0 | 22.52 | 19.77 | 34.77 | PASS |
| | | | | RB1#5 | 22.53 | 19.78 | 34.77 | PASS |
| | | | | RB6#0 | 21.28 | 18.53 | 34.77 | PASS |
| | | | MCH | RB1#0 | 22.55 | 19.8 | 34.77 | PASS |
| | | | | RB1#5 | 22.61 | 19.86 | 34.77 | PASS |
| | | | | RB6#0 | 21.26 | 18.51 | 34.77 | PASS |
| | | | HCH | RB1#0 | 22.25 | 19.5 | 34.77 | PASS |
| | | | | RB1#5 | 22.53 | 19.78 | 34.77 | PASS |
| | | | | RB6#0 | 21.08 | 18.33 | 34.77 | PASS |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test channel | Test RB | Measured (dBm) | ERP (dBm) | limit (dBm) | Verdict |
|----------------|------------|----------------|--------------|---------|----------------|-----------|-------------|---------|
| BAND12 | LTE-M1/TM1 | 3M | LCH | RB1#0 | 23.43 | 20.68 | 34.77 | PASS |
| | | | | RB1#5 | 23.49 | 20.74 | 34.77 | PASS |
| | | | | RB6#0 | 22.33 | 19.58 | 34.77 | PASS |
| | | | MCH | RB1#0 | 23.06 | 20.31 | 34.77 | PASS |
| | | | | RB1#5 | 23.12 | 20.37 | 34.77 | PASS |
| | | | | RB6#0 | 22.13 | 19.38 | 34.77 | PASS |
| | | | HCH | RB1#0 | 23.01 | 20.26 | 34.77 | PASS |
| | | | | RB1#5 | 23.07 | 20.32 | 34.77 | PASS |
| | | | | RB6#0 | 22.31 | 19.56 | 34.77 | PASS |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test channel | Test RB | Measured (dBm) | ERP (dBm) | limit (dBm) | Verdict |
|----------------|------------|----------------|--------------|---------|----------------|-----------|-------------|---------|
| BAND12 | LTE-M1/TM2 | 3M | LCH | RB1#0 | 22.83 | 20.08 | 34.77 | PASS |
| | | | | RB1#5 | 22.73 | 19.98 | 34.77 | PASS |
| | | | | RB6#0 | 21.06 | 18.31 | 34.77 | PASS |
| | | | MCH | RB1#0 | 22.28 | 19.53 | 34.77 | PASS |
| | | | | RB1#5 | 22.26 | 19.51 | 34.77 | PASS |
| | | | | RB6#0 | 21.08 | 18.33 | 34.77 | PASS |

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| | | | | | | | | |
|--|--|--|-----|-------|-------|-------|-------|------|
| | | | HCH | RB1#0 | 22.31 | 19.56 | 34.77 | PASS |
| | | | | RB1#5 | 22.38 | 19.63 | 34.77 | PASS |
| | | | | RB6#0 | 21.06 | 18.31 | 34.77 | PASS |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test channel | Test RB | Measured (dBm) | ERP (dBm) | limit (dBm) | Verdict |
|----------------|------------|----------------|--------------|---------|----------------|-----------|-------------|---------|
| BAND12 | LTE-M1/TM1 | 5M | LCH | RB1#0 | 23.38 | 20.63 | 34.77 | PASS |
| | | | | RB1#5 | 23.42 | 20.67 | 34.77 | PASS |
| | | | | RB6#0 | 22.41 | 19.66 | 34.77 | PASS |
| | | | MCH | RB1#0 | 23.42 | 20.67 | 34.77 | PASS |
| | | | | RB1#5 | 23.48 | 20.73 | 34.77 | PASS |
| | | | | RB6#0 | 22.14 | 19.39 | 34.77 | PASS |
| | | | HCH | RB1#0 | 23.25 | 20.5 | 34.77 | PASS |
| | | | | RB1#5 | 23.27 | 20.52 | 34.77 | PASS |
| | | | | RB6#0 | 22.02 | 19.27 | 34.77 | PASS |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test channel | Test RB | Measured (dBm) | ERP (dBm) | limit (dBm) | Verdict |
|----------------|------------|----------------|--------------|---------|----------------|-----------|-------------|---------|
| BAND12 | LTE-M1/TM2 | 5M | LCH | RB1#0 | 22.98 | 20.23 | 34.77 | PASS |
| | | | | RB1#5 | 22.86 | 20.11 | 34.77 | PASS |
| | | | | RB6#0 | 21.35 | 18.6 | 34.77 | PASS |
| | | | MCH | RB1#0 | 22.42 | 19.67 | 34.77 | PASS |
| | | | | RB1#5 | 22.87 | 20.12 | 34.77 | PASS |
| | | | | RB6#0 | 21.35 | 18.6 | 34.77 | PASS |
| | | | HCH | RB1#0 | 22.61 | 19.86 | 34.77 | PASS |
| | | | | RB1#5 | 22.7 | 19.95 | 34.77 | PASS |
| | | | | RB6#0 | 21.25 | 18.5 | 34.77 | PASS |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test channel | Test RB | Measured (dBm) | ERP (dBm) | limit (dBm) | Verdict |
|----------------|------------|----------------|--------------|---------|----------------|-----------|-------------|---------|
| BAND12 | LTE-M1/TM1 | 10M | LCH | RB1#0 | 23.19 | 20.44 | 34.77 | PASS |
| | | | | RB1#5 | 23.23 | 20.48 | 34.77 | PASS |
| | | | | RB6#0 | 22.16 | 19.41 | 34.77 | PASS |
| | | | MCH | RB1#0 | 23.22 | 20.47 | 34.77 | PASS |
| | | | | RB1#5 | 23.2 | 20.45 | 34.77 | PASS |
| | | | | RB6#0 | 22.1 | 19.35 | 34.77 | PASS |
| | | | HCH | RB1#0 | 23.13 | 20.38 | 34.77 | PASS |
| | | | | RB1#5 | 23.07 | 20.32 | 34.77 | PASS |
| | | | | RB6#0 | 21.98 | 19.23 | 34.77 | PASS |

| Test Band(LTE) | Test Mode | Test Bandwidth | Test channel | Test RB | Measured (dBm) | ERP (dBm) | limit (dBm) | Verdict |
|----------------|------------|----------------|--------------|---------|----------------|-----------|-------------|---------|
| BAND12 | LTE-M1/TM2 | 10M | LCH | RB1#0 | 22.91 | 20.16 | 34.77 | PASS |
| | | | | RB1#5 | 22.97 | 20.22 | 34.77 | PASS |
| | | | | RB6#0 | 21.17 | 18.42 | 34.77 | PASS |
| | | | MCH | RB1#0 | 22.87 | 20.12 | 34.77 | PASS |
| | | | | RB1#5 | 22.77 | 20.02 | 34.77 | PASS |
| | | | | RB6#0 | 22.1 | 19.35 | 34.77 | PASS |
| | | | HCH | RB1#0 | 22.86 | 20.11 | 34.77 | PASS |

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| | | | | | | | | |
|--|--|--|--|-------|-------|-------|-------|------|
| | | | | RB1#5 | 22.76 | 20.01 | 34.77 | PASS |
| | | | | RB6#0 | 21.12 | 18.37 | 34.77 | PASS |

Note:

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

$$\text{ERP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBd]}$$

b: SGP=Signal Generator Level



2 Peak-to-Average Ratio

Part I - Test Results

| Test Band | Test Mode | Test Channel | Measured[dB] | Limit [dB] | Verdict |
|-----------|-------------------|--------------|--------------|------------|---------|
| BAND12 | TM1/5M Full RB | LCH | 5.30 | 13 | PASS |
| | | MCH | 5.68 | 13 | PASS |
| | | HCH | 5.36 | 13 | PASS |
| | TM1/5M 1 RB | LCH | 4.17 | 13 | PASS |
| | | MCH | 5.01 | 13 | PASS |
| | | HCH | 6.17 | 13 | PASS |
| | TM2/5M Full RB | LCH | 5.54 | 13 | PASS |
| | | MCH | 6.55 | 13 | PASS |
| | | HCH | 5.45 | 13 | PASS |
| | TM2/5M 1 RB | LCH | 5.45 | 13 | PASS |
| | | MCH | 5.48 | 13 | PASS |
| | | HCH | 5.45 | 13 | PASS |

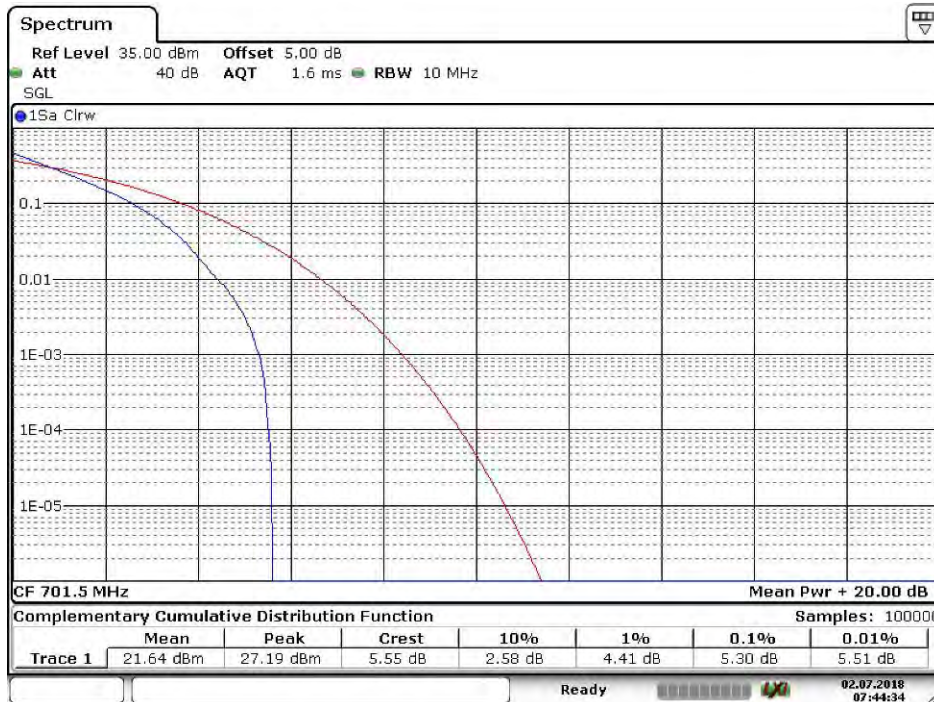
Part II - Test Plots

2.1 For LTE-M1

2.1.1 Test Band = LTE-M1 band12

2.1.1.1 Test Mode = LTE-M1/TM1.Bandwidth=5MHz Full RB

2.1.1.1.1 Test Channel = LCH



Date: 2.JUL 2018 07:44:34

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2.1.1.1.2 Test Channel = MCH



Date: 2.JUL 2018 07:55:22

2.1.1.1.3 Test Channel = HCH



Date: 2.JUL 2018 07:59:32



2.1.1.2 Test Mode = LTE-M1/TM1.Bandwidth=5MHz 1 RB

2.1.1.2.1 Test Channel = LCH



Date: 2.JUL.2018 07:42:44

2.1.1.2.2 Test Channel = MCH



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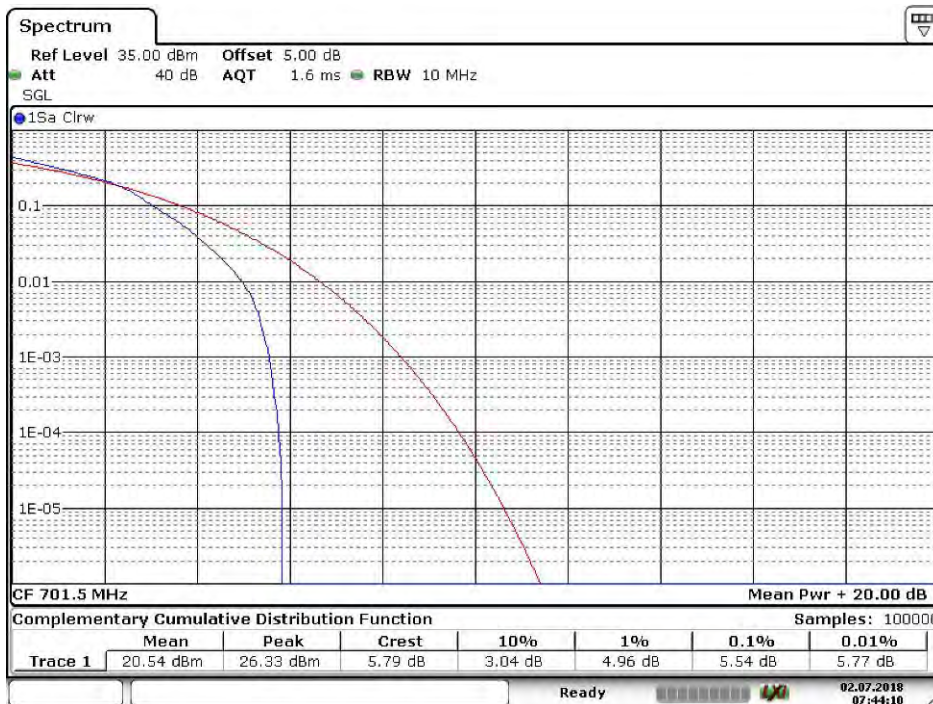
2.1.1.2.3 Test Channel = HCH



Date: 2.JUL.2018 07:57:32

2.1.1.3 Test Mode = LTE-M1/TM2.Bandwidth=5MHz Full RB

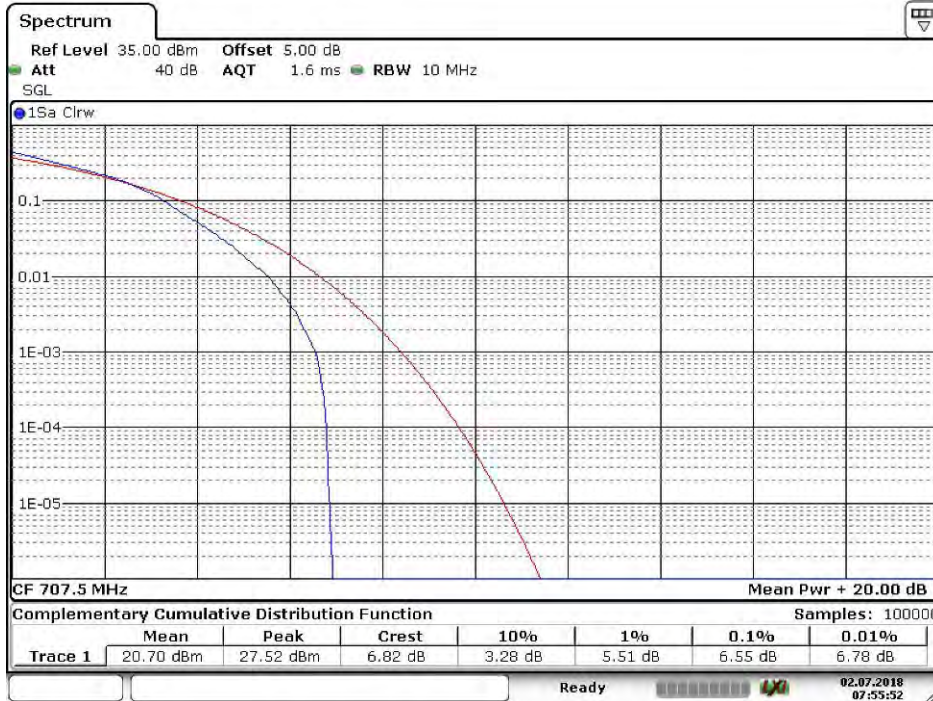
2.1.1.3.1 Test Channel = LCH



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2.1.1.3.2 Test Channel = MCH



Date: 2.JUL.2018 07:55:52

2.1.1.3.3 Test Channel = HCH



Date: 2.JUL.2018 07:59:07

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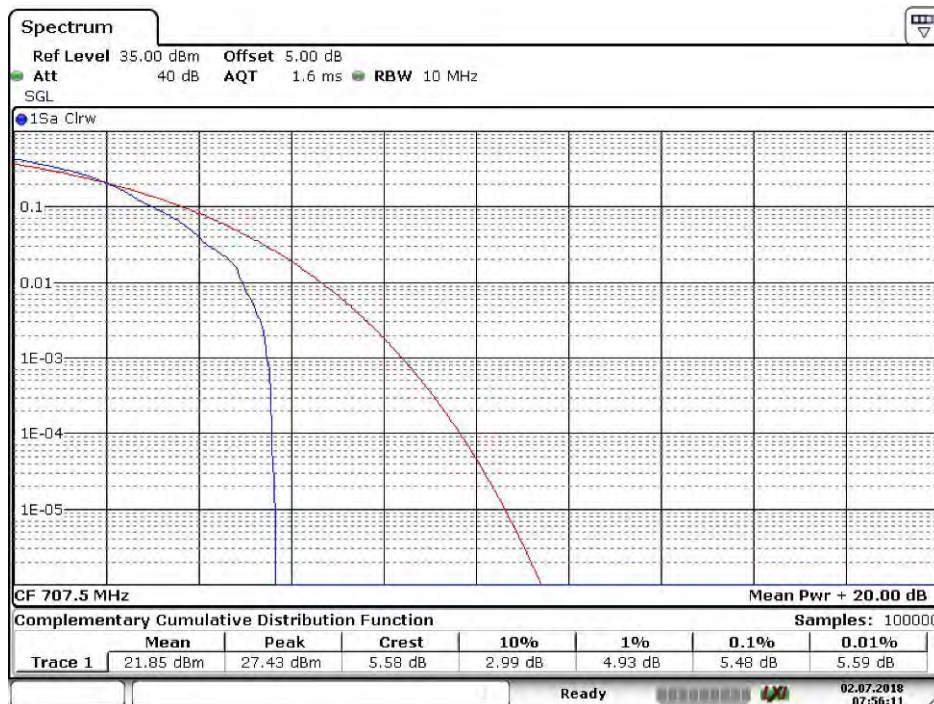


2.1.1.4 Test Mode = LTE-M1/TM2.Bandwidth=5MHz 1 RB
2.1.1.4.1 Test Channel = LCH



Date: 2.JUL.2018 07:43:46

2.1.1.4.2 Test Channel = MCH



Date: 2.JUL.2018 07:56:11



2.1.1.4.3 Test Channel = HCH



Date: 2.JUL.2018 07:57:52

3 Modulation Characteristics

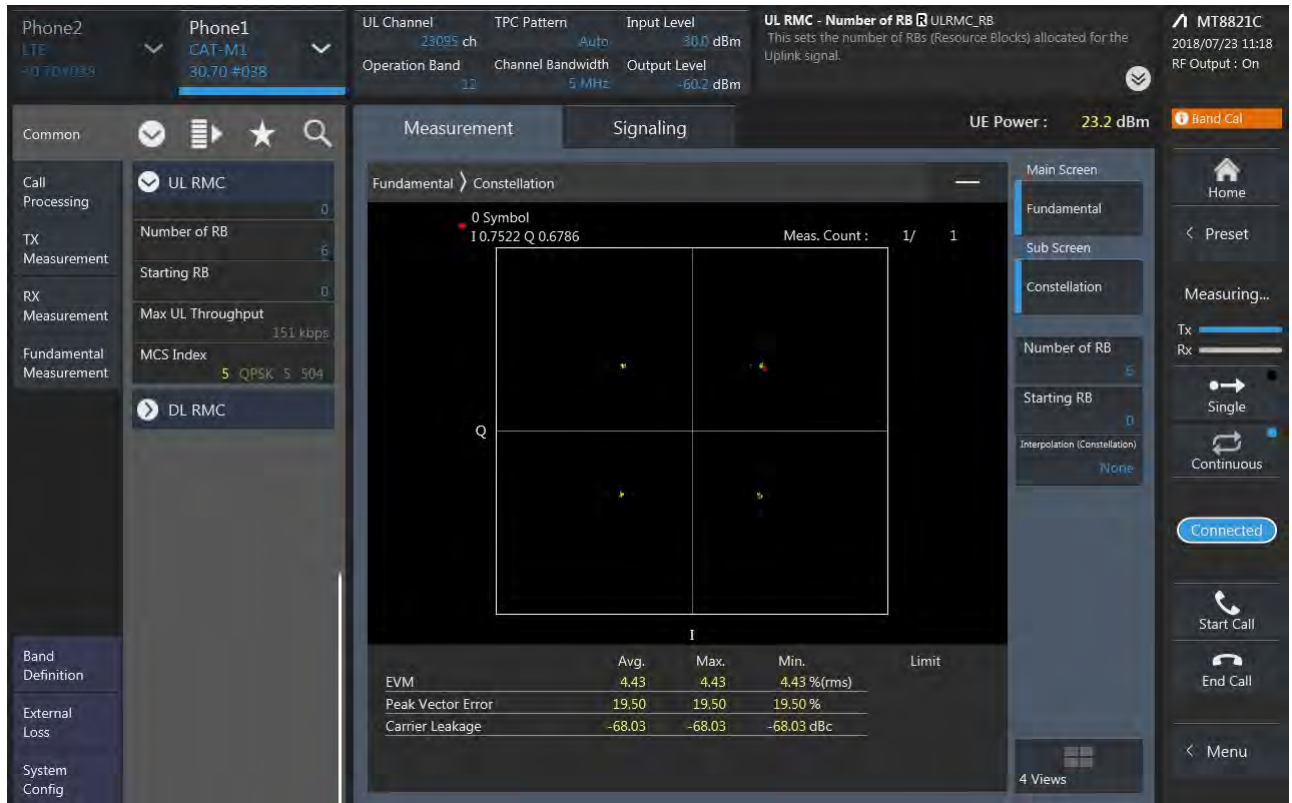
Part I - Test Plots

3.1 For LTE-M1

3.1.1 Test Band = LTE-M1 band12

3.1.1.1 Test Mode = LTE-M1 /TM1 5MHz

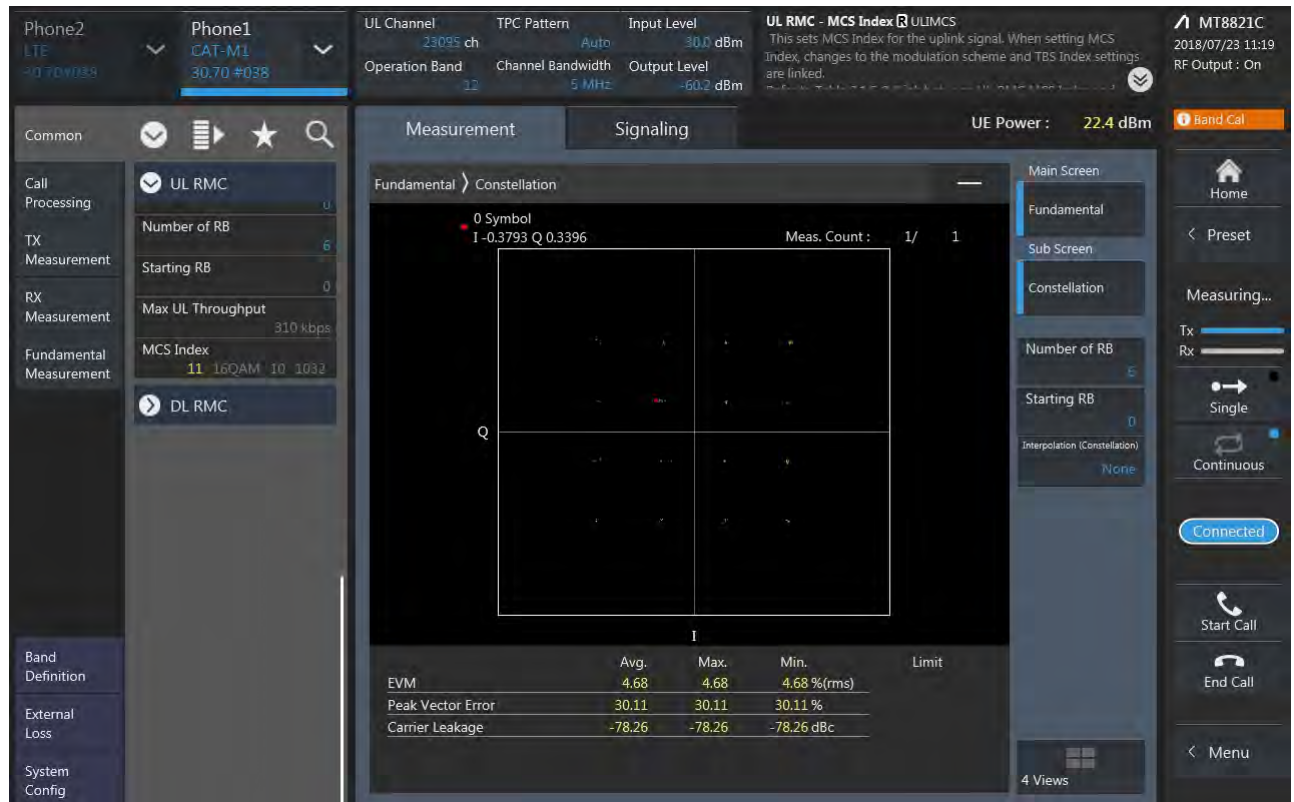
3.1.1.1.1 Test Channel = MCH



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3.1.1.2 Test Mode = LTE-M1 /TM2 5MHz
3.1.1.2.1 Test Channel = MCH



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4 Bandwidth

Part I - Test Results

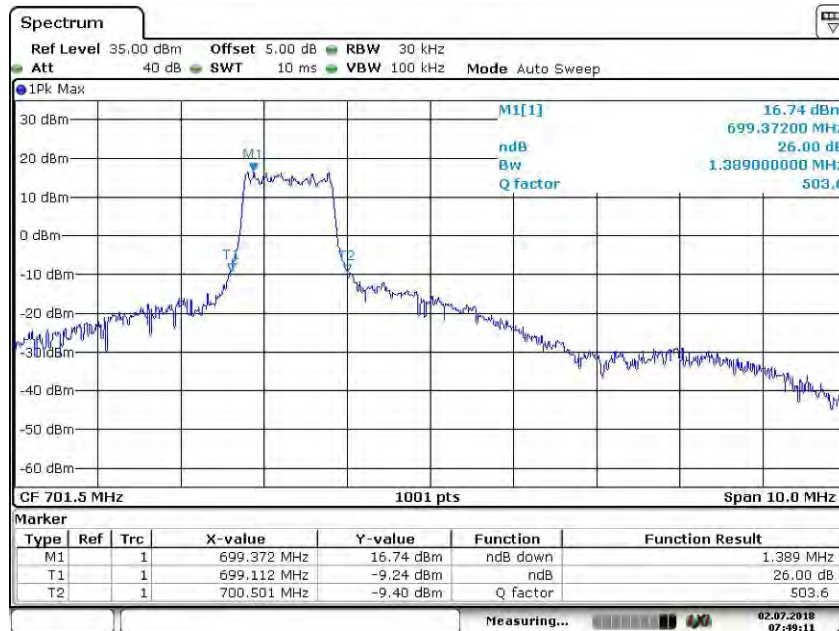
| Test Band | Test Mode | Test Channel | Occupied Bandwidth [MHz] | Emission Bandwidth [MHz] | Verdict |
|-----------|-----------|--------------|--------------------------|--------------------------|---------|
| Band12 | TM1/ 5MHz | LCH | 1.10 | 1.38 | PASS |
| | | MCH | 1.11 | 1.39 | PASS |
| | | HCH | 1.11 | 1.40 | PASS |
| | TM2/ 5MHz | LCH | 1.11 | 1.48 | PASS |
| | | MCH | 1.11 | 1.47 | PASS |
| | | HCH | 1.11 | 1.48 | PASS |

4.1 For LTE

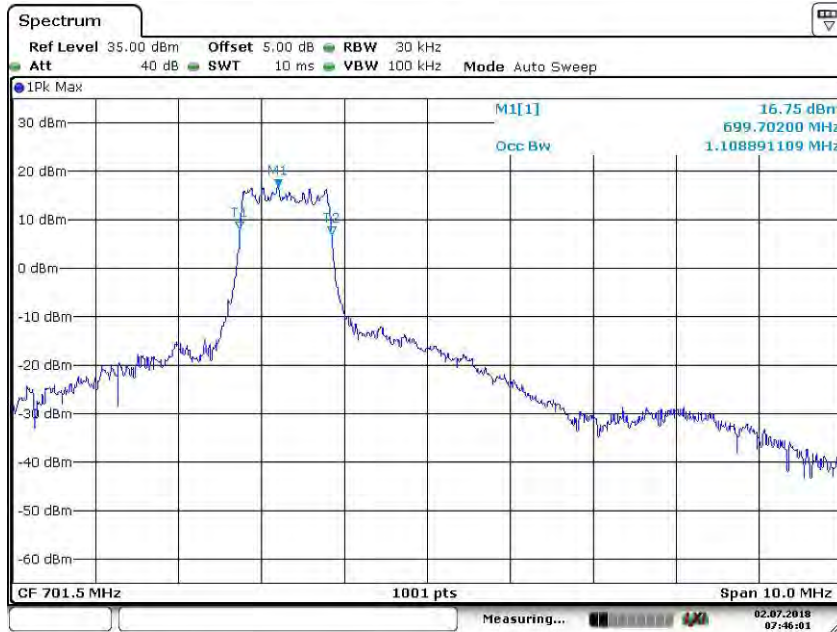
4.1.1 Test Band = LTE-M1 band12

4.1.1.1 Test Mode = LTE-M1/TM1 5MHz

4.1.1.1.1 Test Channel = LCH

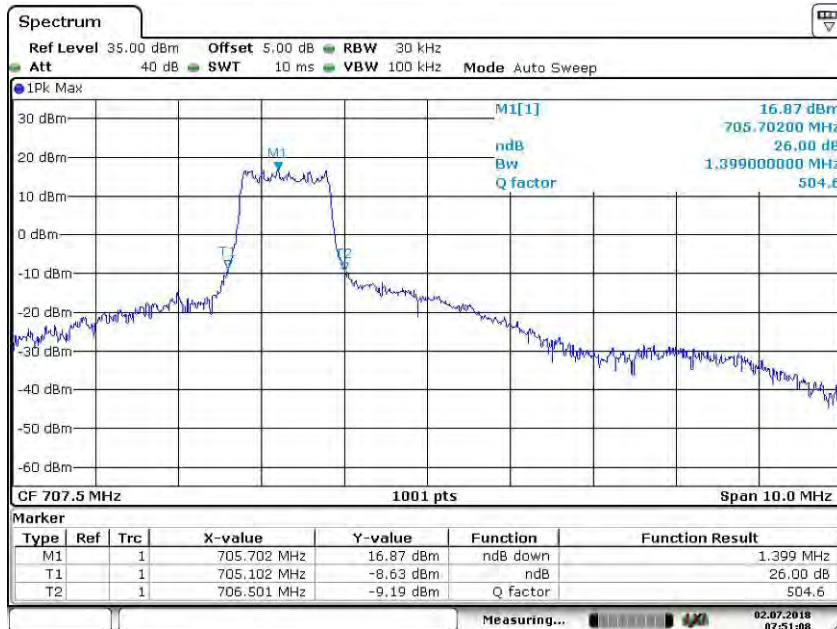


Date: 2 JUL 2018 07:49:12



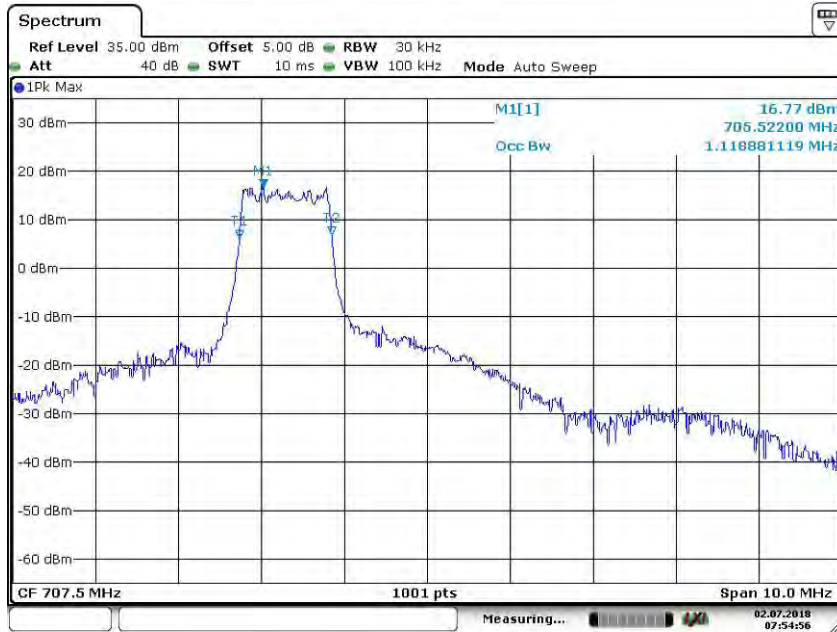
Date: 2.JUL.2018 07:46:00

4.1.1.1.2 Test Channel = MCH



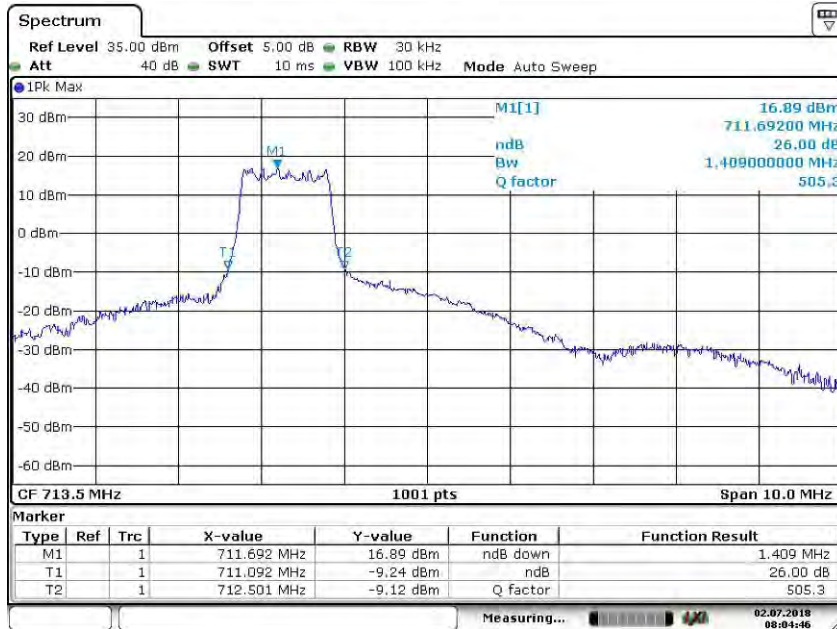
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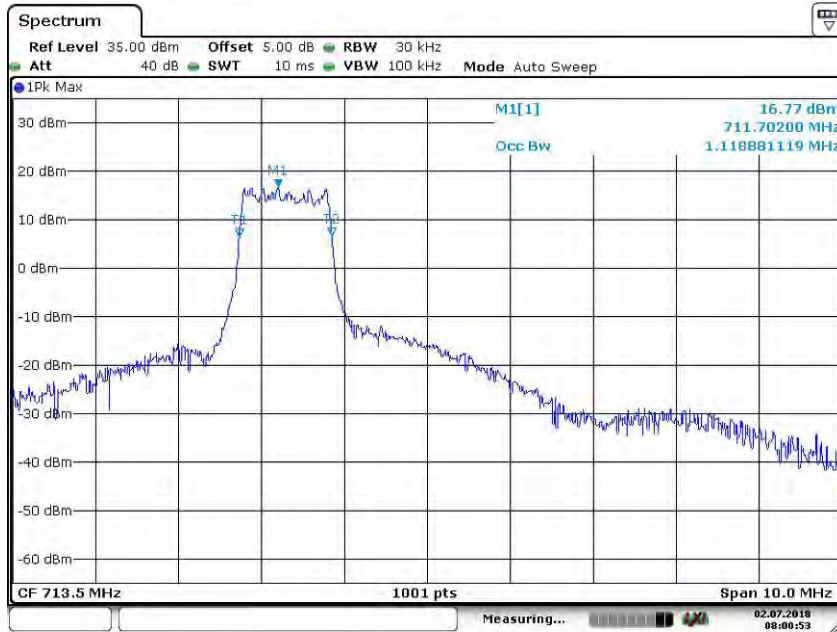
Date: 2 JUL 2018 07:54:56

4.1.1.1.3 Test Channel = HCH



Date: 2 JUL 2018 08:04:47

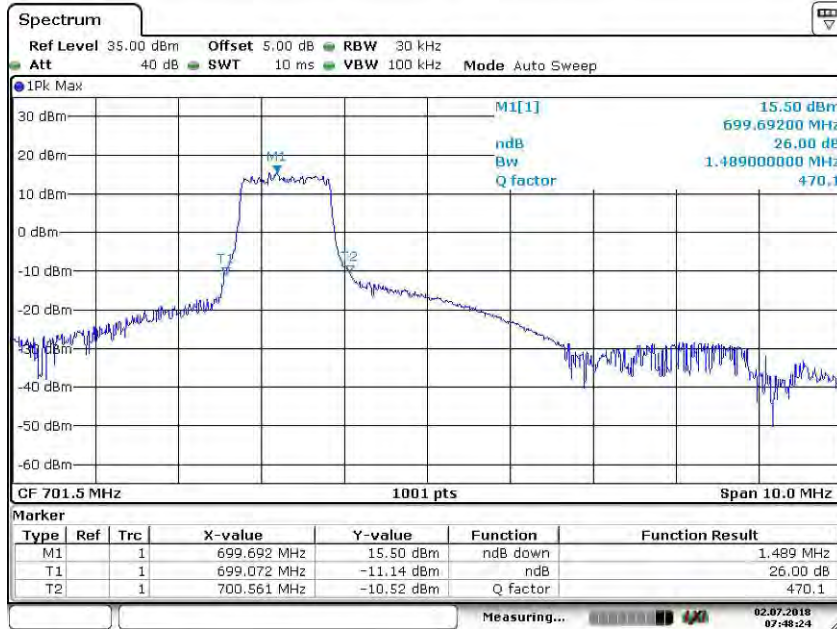
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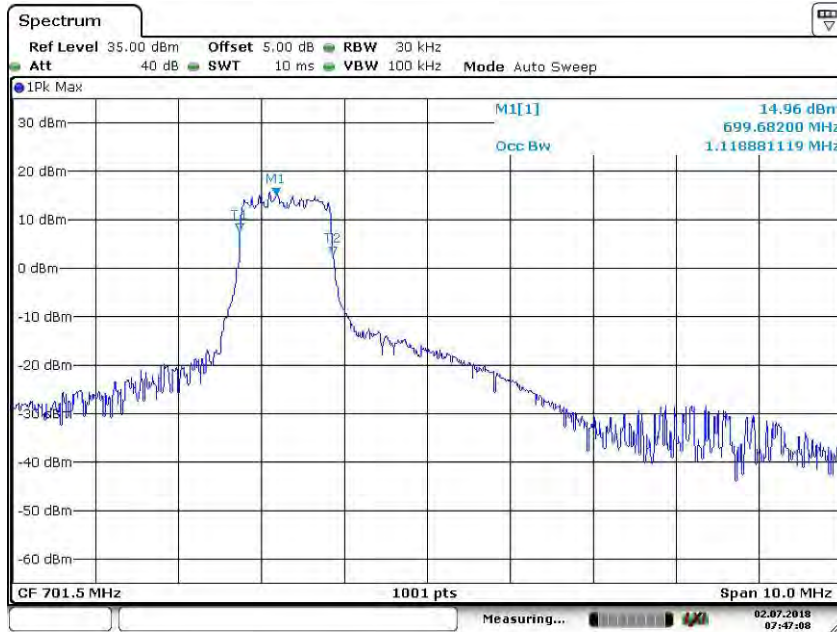
Date: 2 JUL 2018 08:00:53

4.1.1.2 Test Mode = LTE-M1/TM2 5MHz

4.1.1.2.1 Test Channel = LCH

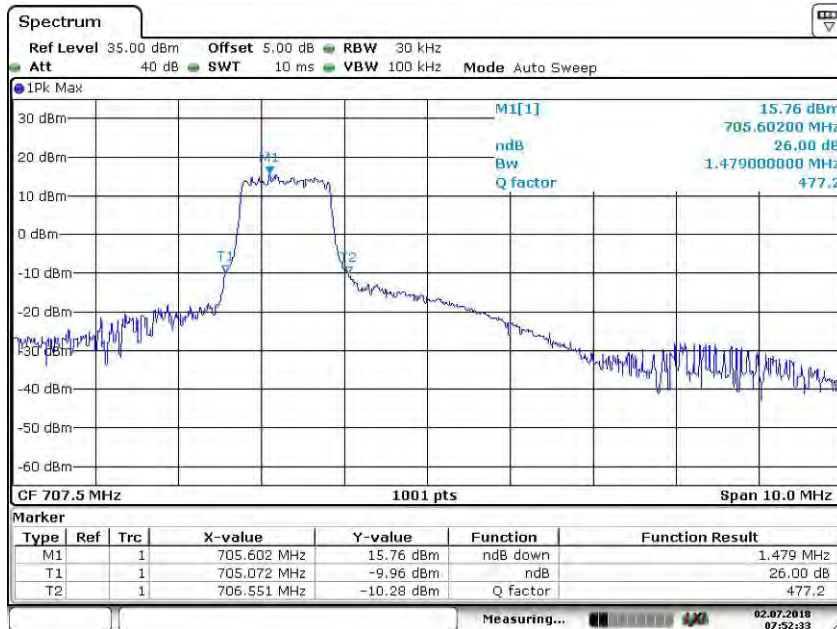


Date: 2 JUL 2018 07:48:24

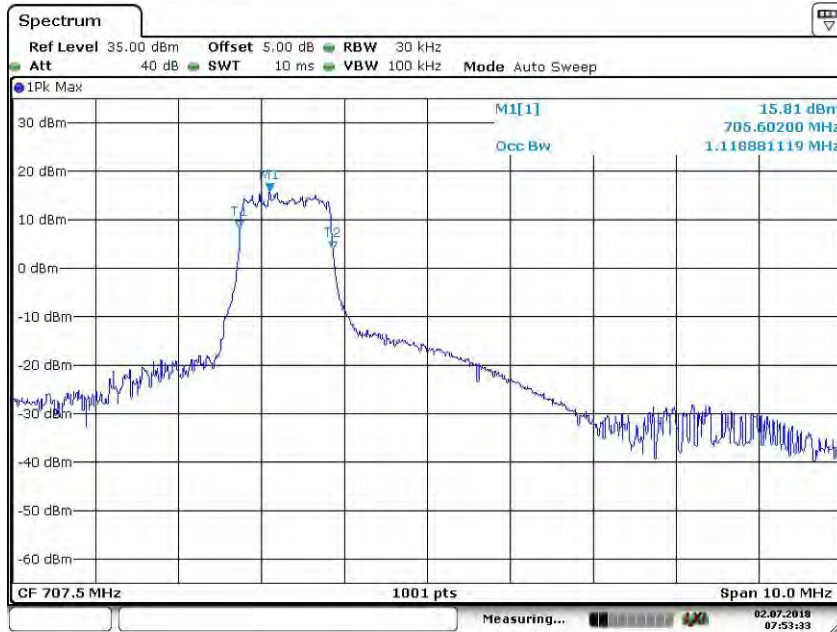


Date: 2.JUL.2018 07:47:09

4.1.1.2.2 Test Channel = MCH

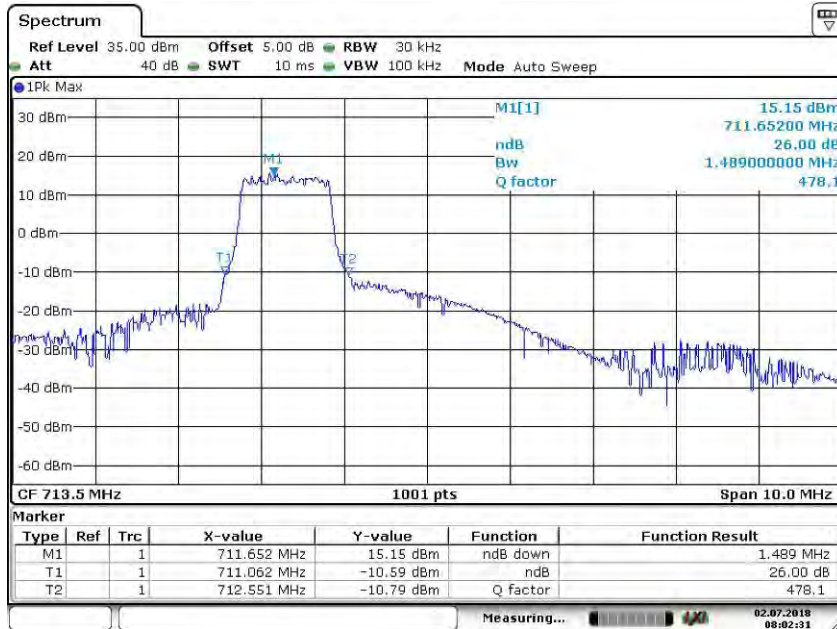


Date: 2.JUL.2018 07:52:33

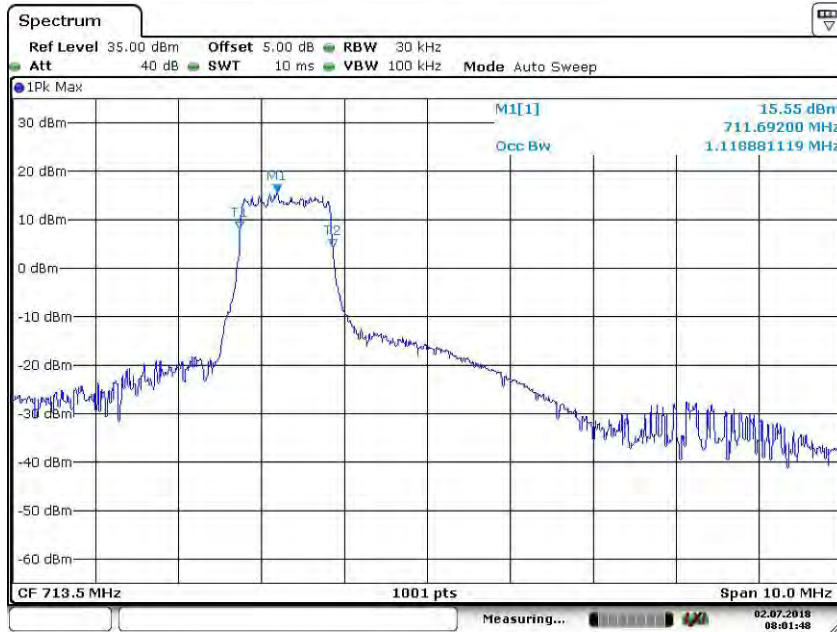


Date: 2 JUL 2018 07:53:33

4.1.1.2.3 Test Channel = HCH



Date: 2 JUL 2018 08:02:32



Date: 2 JUL 2018 08:01:48

5 Band Edges Compliance

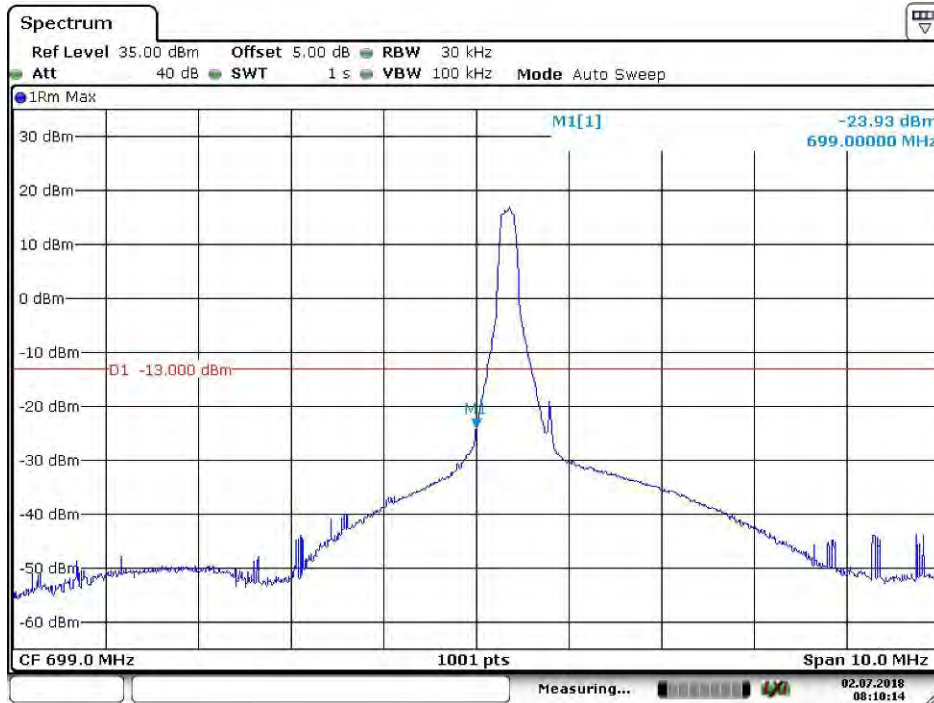
5.1 For LTE-M1

5.1.1 Test Band = LTE-M1 band12

5.1.1.1 Test Mode = LTE-M1/TM1 5MHz

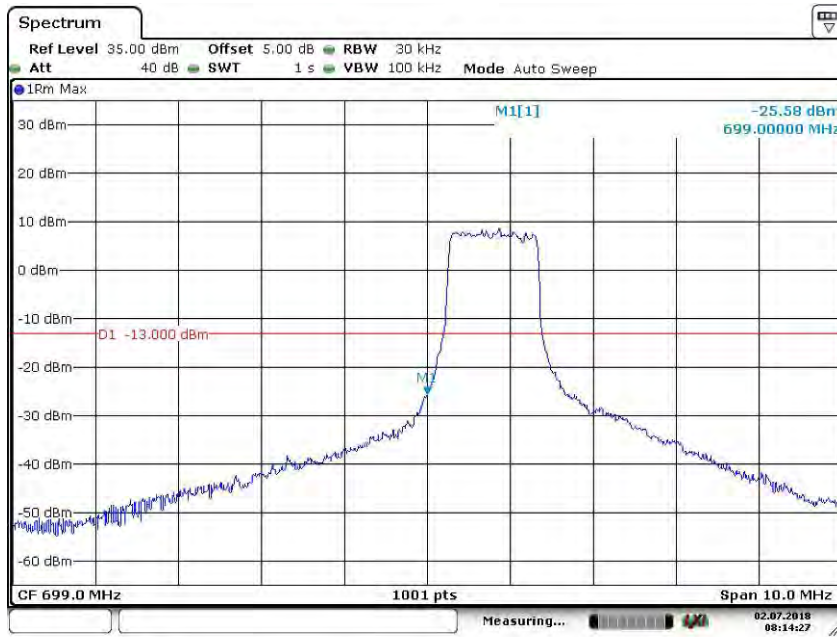
5.1.1.1.1 Test Channel = LCH

5.1.1.1.1.1 Test RB=1RB



Date: 2.JUL 2018 08:10:14

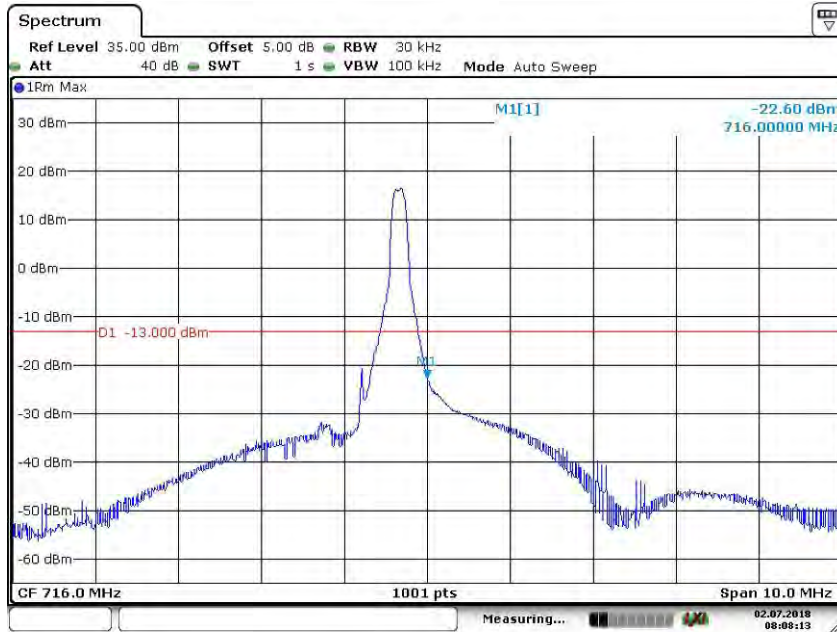
5.1.1.1.2 Test RB=6RB



Date: 2 JUL 2018 08:14:27

5.1.1.1.2 Test Channel = HCH

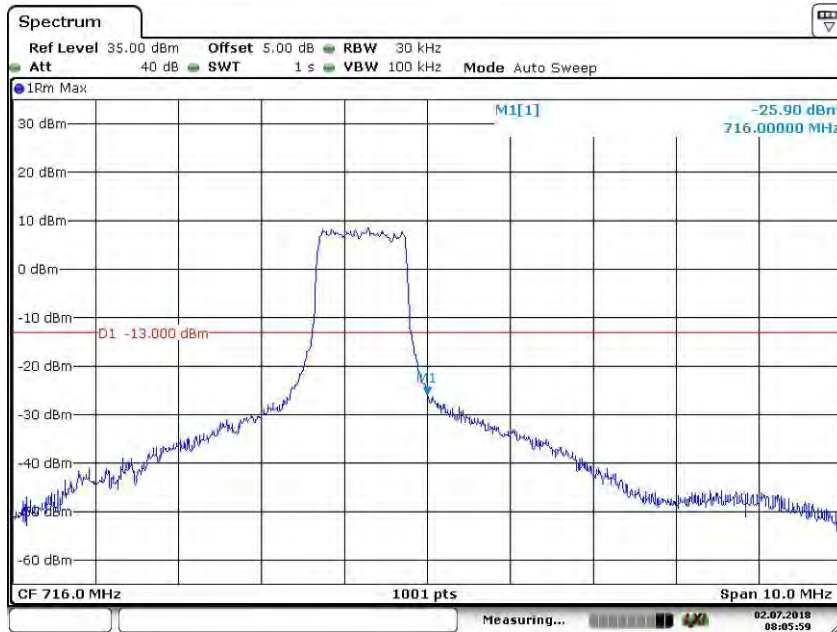
5.1.1.1.2.1 Test RB=1RB



Date: 2 JUL 2018 08:08:13



5.1.1.1.2.2 Test RB=6RB

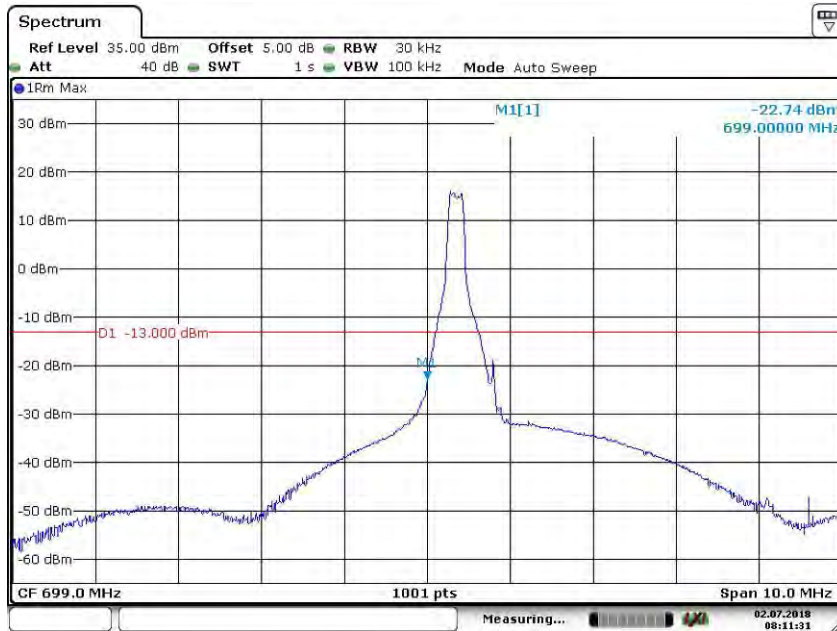


Date: 2 JUL 2018 08:06:00

5.1.1.2 Test Mode = LTE-M1/TM2 5MHz

5.1.1.2.1 Test Channel = LCH

5.1.1.2.1.1 Test RB=1RB

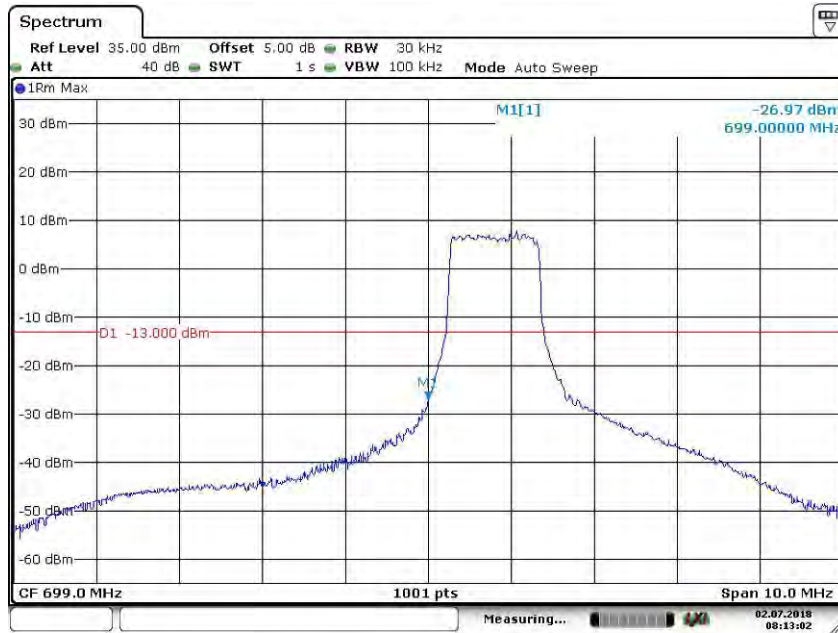


Date: 2 JUL 2018 08:11:31

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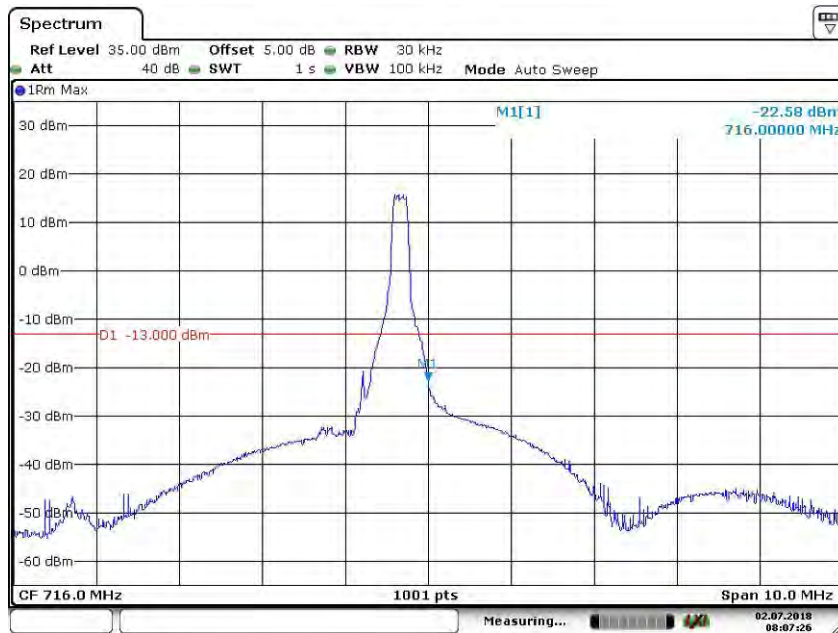
5.1.1.2.1.2 Test RB=6RB



Date: 2.JUL.2018 08:13:03

5.1.1.2.2 Test Channel = HCH

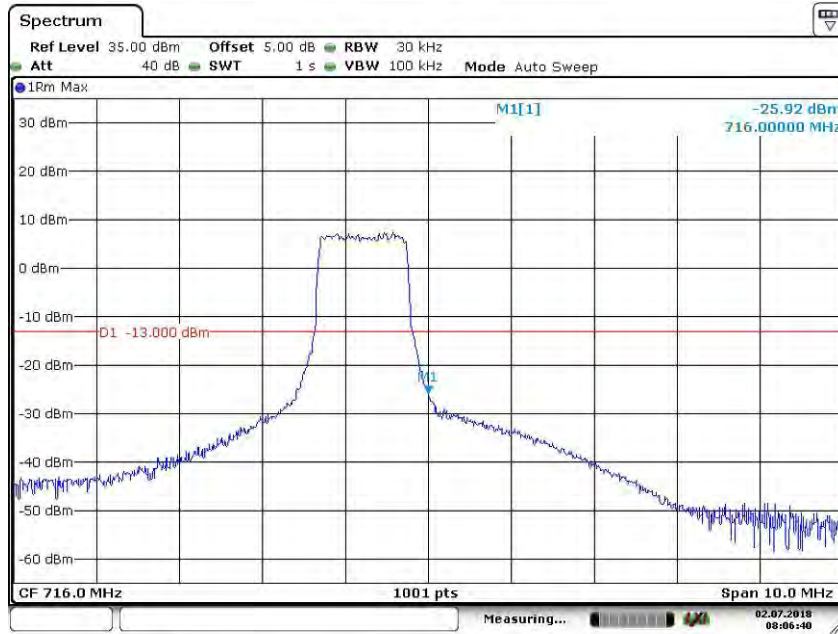
5.1.1.2.2.1 Test RB=1RB



Date: 2.JUL.2018 08:07:26

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5.1.1.2.2.2 Test RB=6RB



Date: 2 JUL 2018 08:06:40

6 Spurious Emission at Antenna Terminal

NOTE1: 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 between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

NOTE2: only the worst case data displayed in this report.

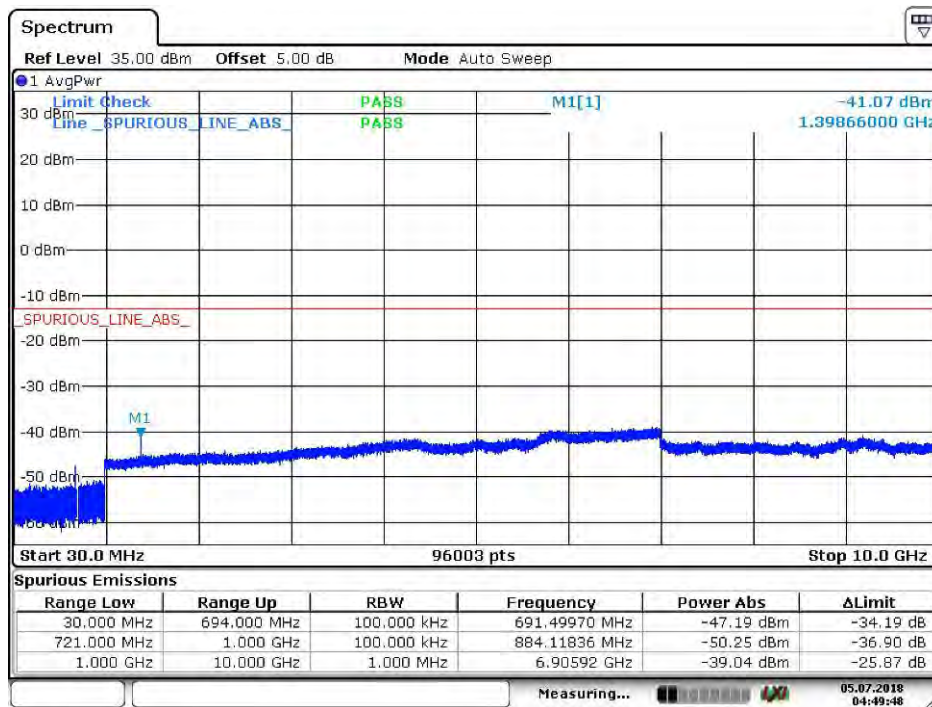
Part I - Test Plots

6.1 For LTE-M1

6.1.1 Test Band = LTE-M1 band12

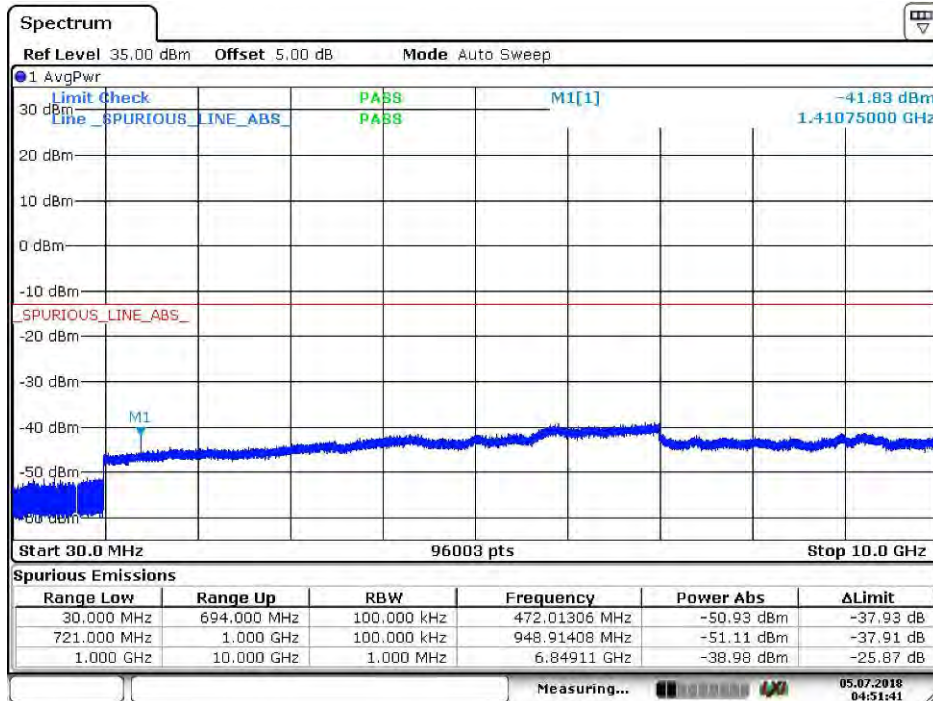
6.1.1.1 Test Mode = LTE-M1 / TM1 5MHz RB1#0

6.1.1.1.1 Test Channel = LCH



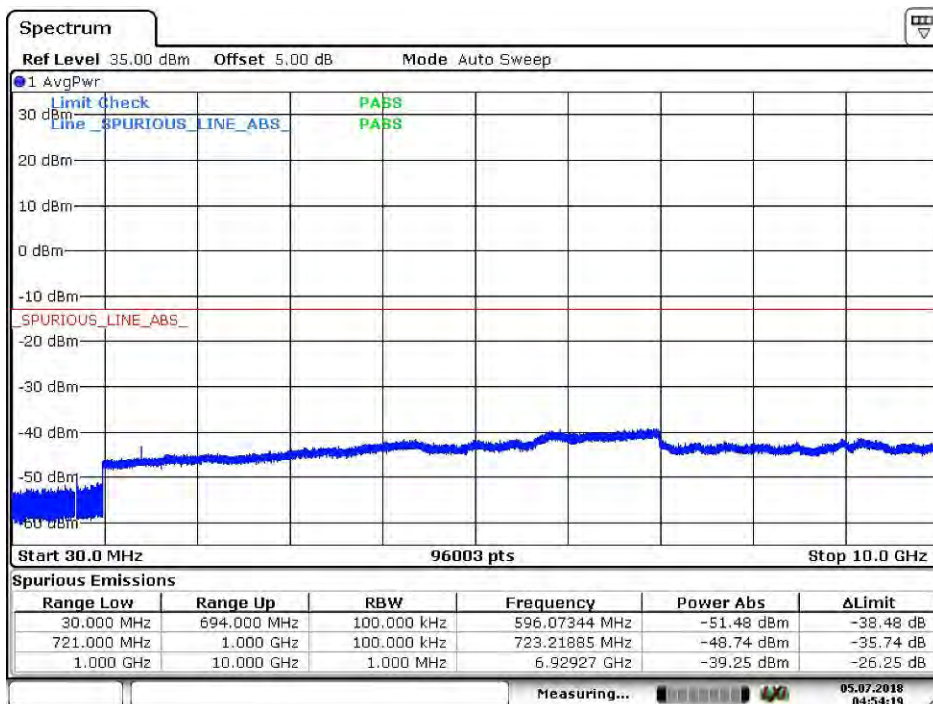
Date: 5 JUL 2018 04:49:48

6.1.1.1.2 Test Channel = MCH



Date: 5.JUL.2018 04:51:42

6.1.1.1.3 Test Channel = HCH



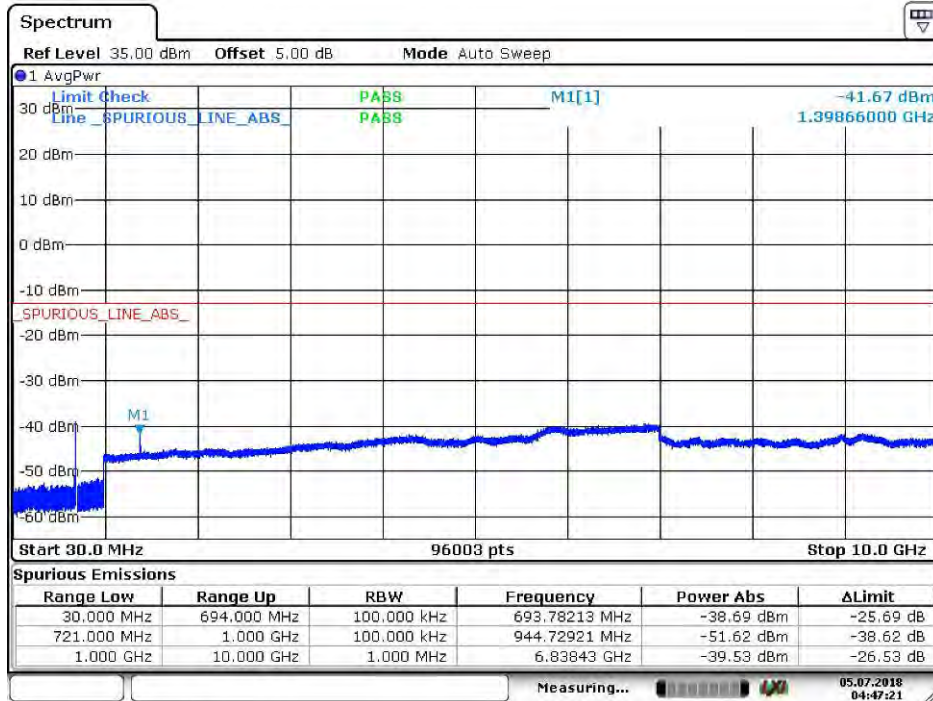
Date: 5.JUL.2018 04:54:19

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6.1.1.2 Test Mode = LTE-M1 / TM2 5MHz RB1#0

6.1.1.2.1 Test Channel = LCH

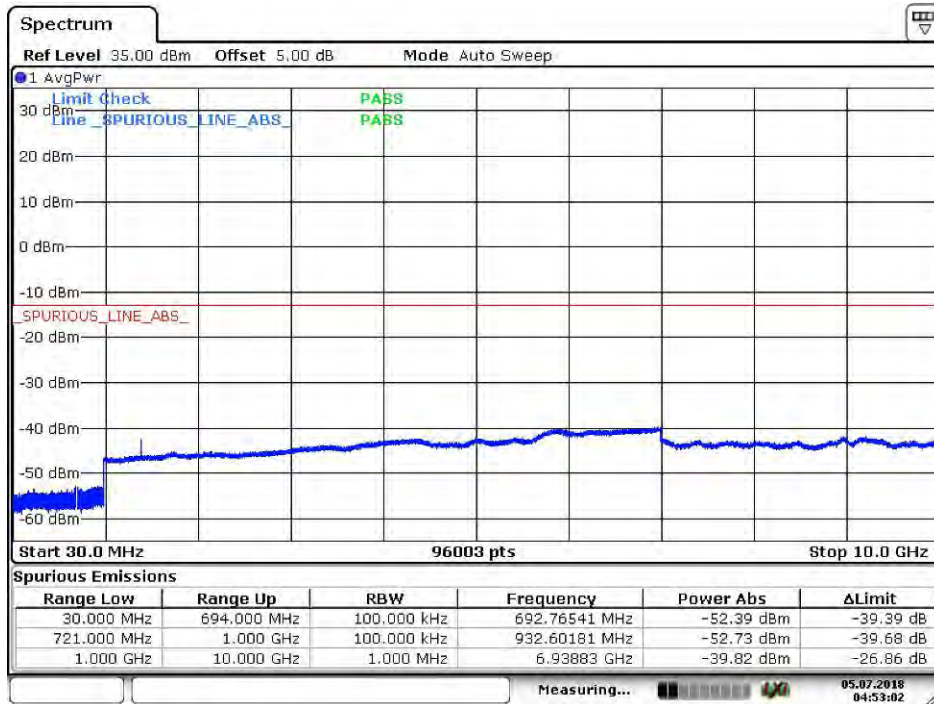


Date: 5 JUL 2018 04:47:20

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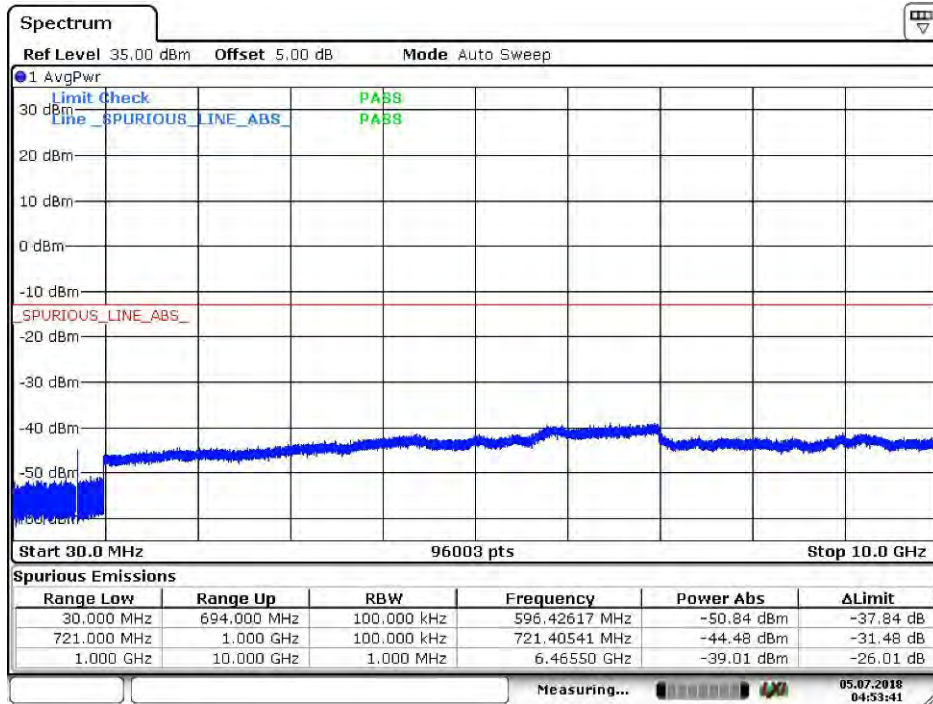
6.1.1.2.2 Test Channel = MCH



Date: 5.JUL.2018 04:53:02



6.1.1.2.3 Test Channel = HCH



Date: 5 JUL 2018 04:53:40

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7 Field Strength of Spurious Radiation

7.1 For LTE-M1

7.1.1 Test Band = LTE-M1 band12

7.1.1.1 Test Mode =LTE-M1/TM1 5MHz RB1#0

7.1.1.1.1 Test Channel = LCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Over Limit (dB) | Polarization |
|-----------------|-------------|------------------|-----------------|--------------|
| 63.693333 | -82.31 | -13.00 | -69.31 | Vertical |
| 125.013333 | -86.79 | -13.00 | -73.79 | Vertical |
| 933.083333 | -63.85 | -13.00 | -50.85 | Vertical |
| 1398.000000 | -47.88 | -13.00 | -34.88 | Vertical |
| 2098.500000 | -60.70 | -13.00 | -47.70 | Vertical |
| 5594.475000 | -63.39 | -13.00 | -50.39 | Vertical |
| 63.226667 | -78.41 | -13.00 | -65.41 | Horizontal |
| 932.120833 | -61.51 | -13.00 | -48.51 | Horizontal |
| 1398.500000 | -40.99 | -13.00 | -27.99 | Horizontal |
| 2098.000000 | -52.72 | -13.00 | -39.72 | Horizontal |
| 6041.512500 | -65.70 | -13.00 | -52.70 | Horizontal |
| 7855.987500 | -64.38 | -13.00 | -51.38 | Horizontal |

7.1.1.1.2 Test Channel = MCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Over Limit (dB) | Polarization |
|-----------------|-------------|------------------|-----------------|--------------|
| 64.393333 | -82.16 | -13.00 | -69.16 | Vertical |
| 124.966667 | -87.31 | -13.00 | -74.31 | Vertical |
| 941.104167 | -65.49 | -13.00 | -52.49 | Vertical |
| 1410.500000 | -44.48 | -13.00 | -31.48 | Vertical |
| 2116.000000 | -60.12 | -13.00 | -47.12 | Vertical |
| 7053.075000 | -62.61 | -13.00 | -49.61 | Vertical |
| 63.553333 | -78.32 | -13.00 | -65.32 | Horizontal |
| 300.293333 | -86.70 | -13.00 | -73.70 | Horizontal |
| 940.187500 | -61.47 | -13.00 | -48.47 | Horizontal |
| 1410.500000 | -39.66 | -13.00 | -26.66 | Horizontal |
| 2116.500000 | -54.71 | -13.00 | -41.71 | Horizontal |
| 5643.225000 | -65.20 | -13.00 | -52.20 | Horizontal |



7.1.1.1.3 Test Channel = HCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Over Limit (dB) | Polarization |
|-----------------|-------------|------------------|-----------------|--------------|
| 65.606667 | -82.63 | -13.00 | -69.63 | Vertical |
| 124.966667 | -87.26 | -13.00 | -74.26 | Vertical |
| 929.875000 | -66.28 | -13.00 | -53.28 | Vertical |
| 1422.500000 | -43.92 | -13.00 | -30.92 | Vertical |
| 2200.000000 | -59.40 | -13.00 | -46.40 | Vertical |
| 5690.025000 | -64.24 | -13.00 | -51.24 | Vertical |
| 62.666667 | -77.61 | -13.00 | -64.61 | Horizontal |
| 949.033333 | -58.23 | -13.00 | -45.23 | Horizontal |
| 1422.500000 | -40.30 | -13.00 | -27.30 | Horizontal |
| 2134.000000 | -57.57 | -13.00 | -44.57 | Horizontal |
| 3556.237500 | -68.73 | -13.00 | -55.73 | Horizontal |
| 5690.512500 | -65.21 | -13.00 | -52.21 | 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.
- 2) We have tested all modulation and all bandwidth, but only the worst case data presented in this report.



8 Frequency Stability

8.1 Frequency Error VS. Voltage

| Test Band | Test Mode | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|------------------|--------------------|--------------|------------|------------|------------------|-----------------------|---------|
| LTE-M1 Band12 | LTE-M1/TM1 5MHz | LCH | TN | VL | -4.15 | -0.005913 | PASS |
| | | | | VN | 1.52 | 0.002170 | PASS |
| | | | | VH | -5.14 | -0.007324 | PASS |
| | | MCH | TN | VL | -6.03 | -0.008529 | PASS |
| | | | | VN | 7.24 | 0.010235 | PASS |
| | | | | VH | 6.15 | 0.008704 | PASS |
| | | HCH | TN | VL | -4.36 | -0.006118 | PASS |
| | | | | VN | -9.67 | -0.013566 | PASS |
| | | | | VH | 9.77 | 0.013712 | PASS |
| | LTE-M1/TM2 5MHz | LCH | TN | VL | 7.34 | 0.010461 | PASS |
| | | | | VN | -1.45 | -0.002068 | PASS |
| | | | | VH | 5.16 | 0.007363 | PASS |
| | | MCH | TN | VL | 1.82 | 0.002579 | PASS |
| | | | | VN | -2.80 | -0.003957 | PASS |
| | | | | VH | -2.78 | -0.003937 | PASS |
| | | HCH | TN | VL | -8.06 | -0.011306 | PASS |
| | | | | VN | 5.87 | 0.008244 | PASS |
| | | | | VH | -2.85 | -0.003997 | PASS |

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8.2 Frequency Error VS. Temperature

| Test Band | Test Mode | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|------------------|--------------------|--------------|------------|------------|------------------|-----------------------|---------|
| LTE-M1 Band12 | LTE-M1/TM1 5MHz | LCH | VN | -30 | -4.52 | -0.006449 | PASS |
| | | | | -20 | -2.76 | -0.003938 | PASS |
| | | | | -10 | -0.37 | -0.000526 | PASS |
| | | | | 0 | -7.02 | -0.010012 | PASS |
| | | | | 10 | -6.08 | -0.008667 | PASS |
| | | | | 20 | -7.27 | -0.010359 | PASS |
| | | | | 30 | 8.62 | 0.012287 | PASS |
| | | | | 40 | 9.54 | 0.013595 | PASS |
| | | | | 50 | 0.20 | 0.000280 | PASS |
| | | MCH | VN | -30 | -6.83 | -0.009658 | PASS |
| | | | | -20 | -1.46 | -0.002062 | PASS |
| | | | | -10 | -3.43 | -0.004852 | PASS |
| | | | | 0 | -9.98 | -0.014114 | PASS |
| | | | | 10 | 6.36 | 0.008991 | PASS |
| | | | | 20 | 0.30 | 0.000425 | PASS |
| | | | | 30 | -2.49 | -0.003521 | PASS |
| | | | | 40 | -5.07 | -0.007170 | PASS |
| | | | | 50 | -3.84 | -0.005438 | PASS |
| | | HCH | VN | -30 | -5.02 | -0.007042 | PASS |
| | | | | -20 | 1.21 | 0.001702 | PASS |
| | | | | -10 | -9.79 | -0.013741 | PASS |
| | | | | 0 | -1.71 | -0.002404 | PASS |
| | | | | 10 | 3.15 | 0.004424 | PASS |
| | | | | 20 | -7.68 | -0.010773 | PASS |
| | | | | 30 | -6.04 | -0.008479 | PASS |
| | | | | 40 | 7.24 | 0.010164 | PASS |
| | | | | 50 | -4.75 | -0.006668 | PASS |

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Shenzhen Branch

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| Test Band | Test Mode | Test Channel | Test Volt. | Test Temp. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|--------------|-----------------|--------------|------------|------------|------------------|-----------------------|---------|
| LTE-M1 band2 | LTE-M1/TM2 5MHz | LCH | VN | -30 | -9.21 | -0.013127 | PASS |
| | | | | -20 | 1.68 | 0.002391 | PASS |
| | | | | -10 | 9.17 | 0.013078 | PASS |
| | | | | 0 | 6.38 | 0.009088 | PASS |
| | | | | 10 | 0.80 | 0.001146 | PASS |
| | | | | 20 | -3.01 | -0.004294 | PASS |
| | | | | 30 | 6.80 | 0.009694 | PASS |
| | | | | 40 | -4.02 | -0.005731 | PASS |
| | | | | 50 | -7.80 | -0.011119 | PASS |
| | | MCH | VN | -30 | -3.55 | -0.005027 | PASS |
| | | | | -20 | 7.35 | 0.010396 | PASS |
| | | | | -10 | -7.63 | -0.010790 | PASS |
| | | | | 0 | 3.60 | 0.005087 | PASS |
| | | | | 10 | 0.74 | 0.001049 | PASS |
| | | | | 20 | 7.72 | 0.010913 | PASS |
| | | | | 30 | 1.82 | 0.002576 | PASS |
| | | | | 40 | 5.66 | 0.008001 | PASS |
| | | | | 50 | 1.69 | 0.002391 | PASS |
| | | HCH | VN | -30 | -6.25 | -0.008776 | PASS |
| | | | | -20 | 8.41 | 0.011803 | PASS |
| | | | | -10 | 7.17 | 0.010068 | PASS |
| | | | | 0 | -4.38 | -0.006153 | PASS |
| | | | | 10 | 4.05 | 0.005689 | PASS |
| | | | | 20 | 2.72 | 0.003824 | PASS |
| | | | | 30 | -2.47 | -0.003465 | PASS |
| | | | | 40 | -8.58 | -0.012036 | PASS |
| | | | | 50 | -3.82 | -0.005358 | PASS |

The End

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