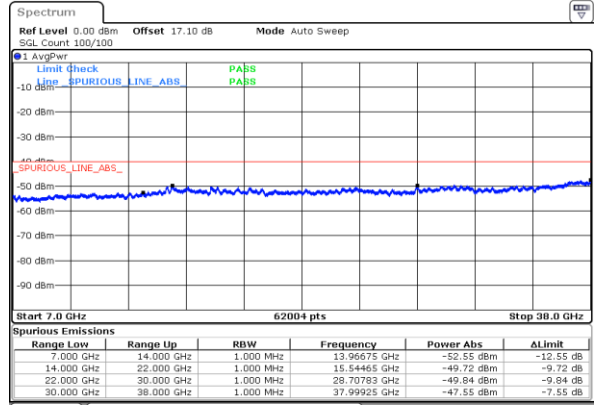
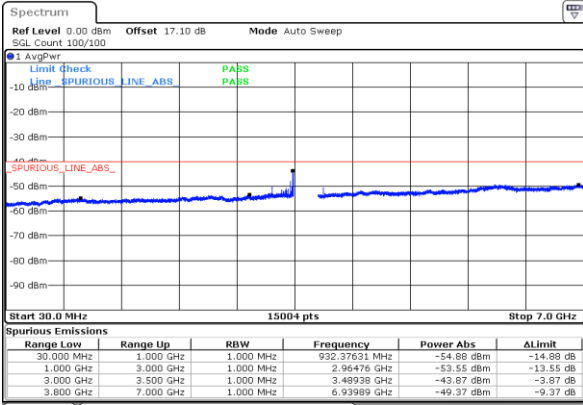




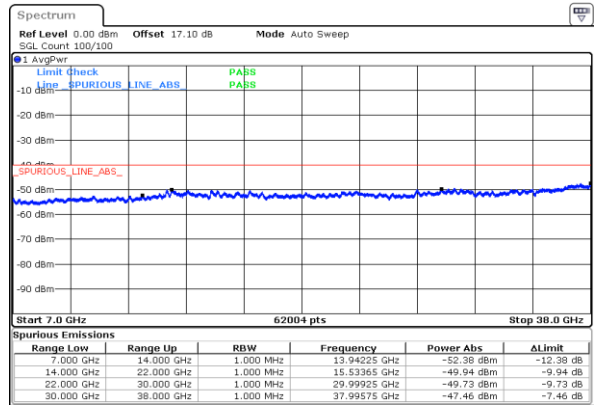
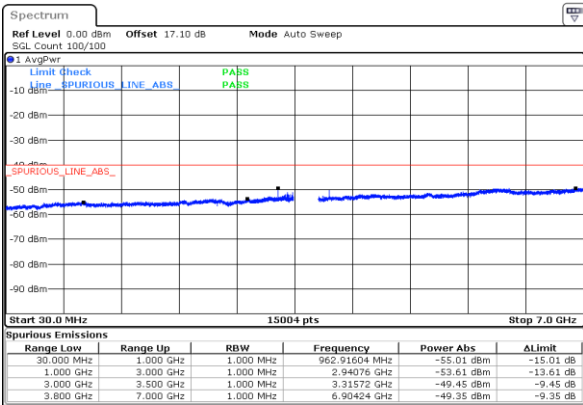
# Conducted Spurious Emission

## LTE Band 48 / 5MHz

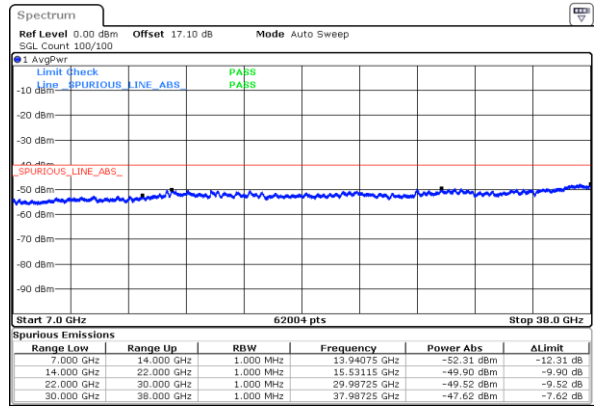
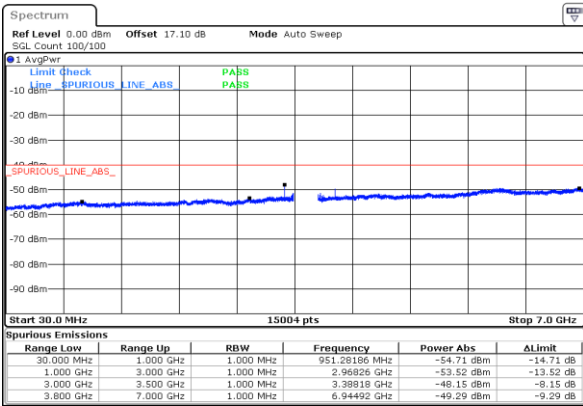
### Lowest Channel / QPSK



### Middle Channel / QPSK



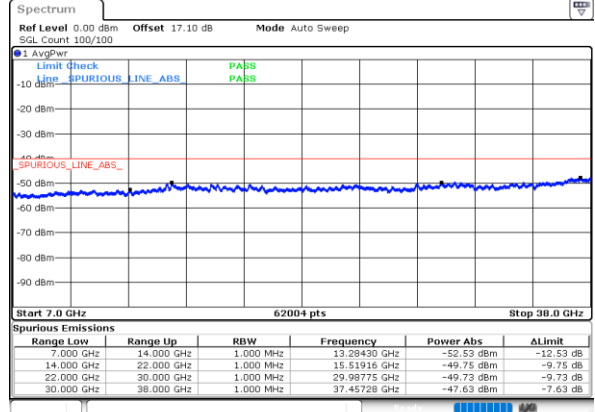
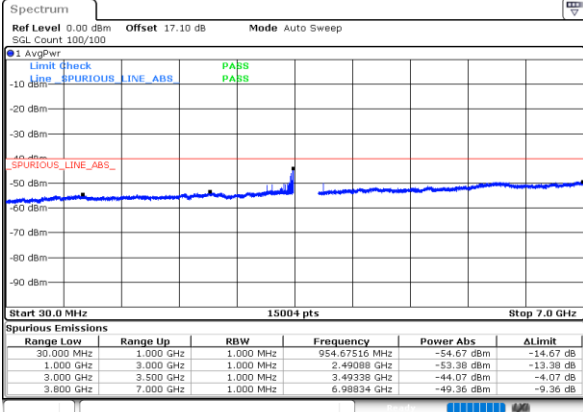
### Highest Channel / QPSK



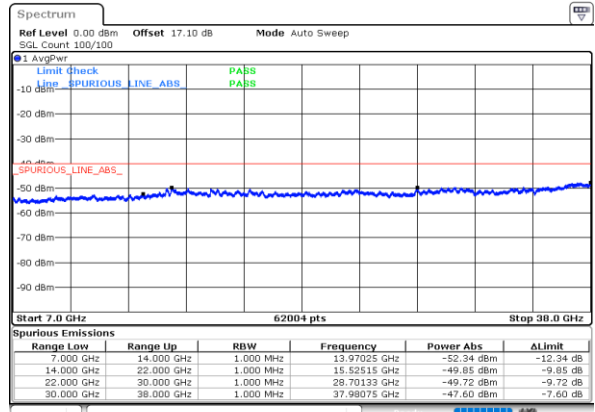
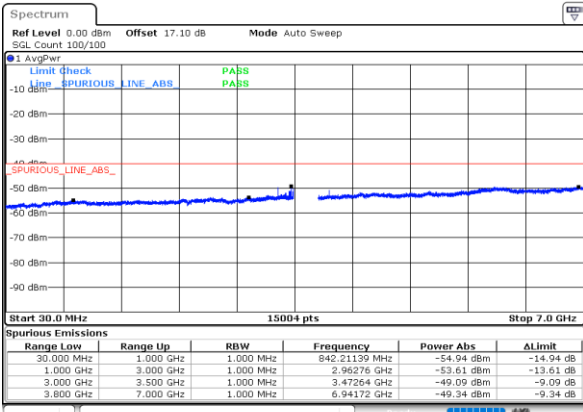


LTE Band 48 / 10MHz

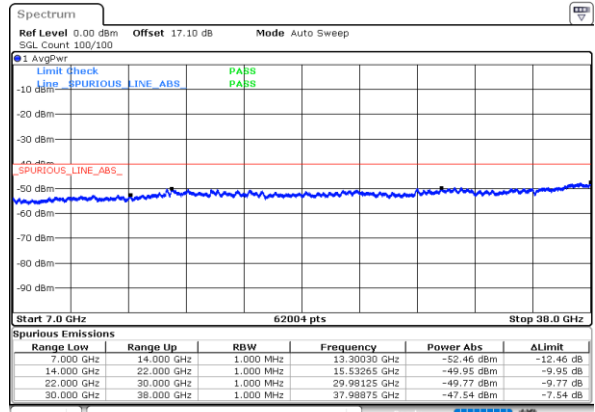
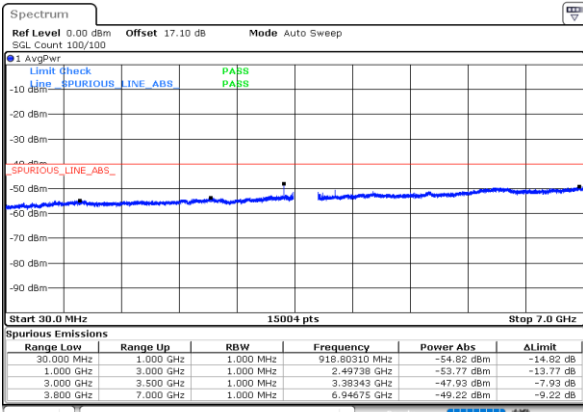
Lowest Channel / QPSK



Middle Channel / QPSK



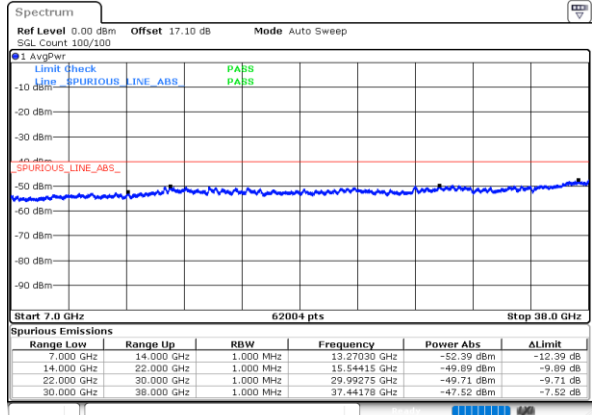
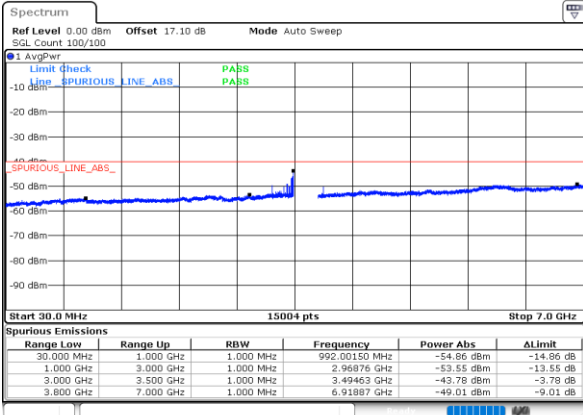
Highest Channel / QPSK



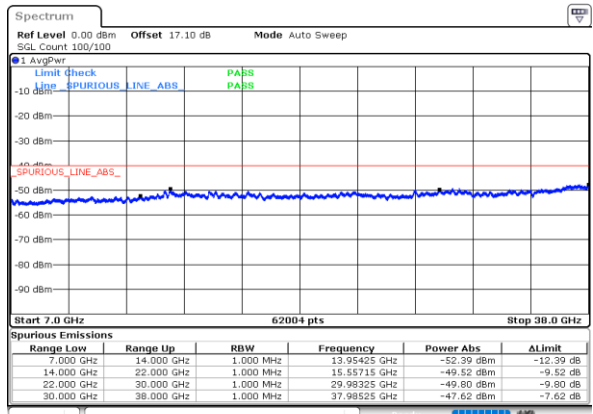
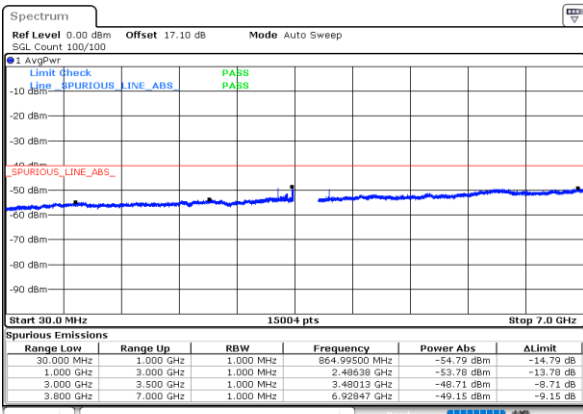


LTE Band 48 / 15MHz

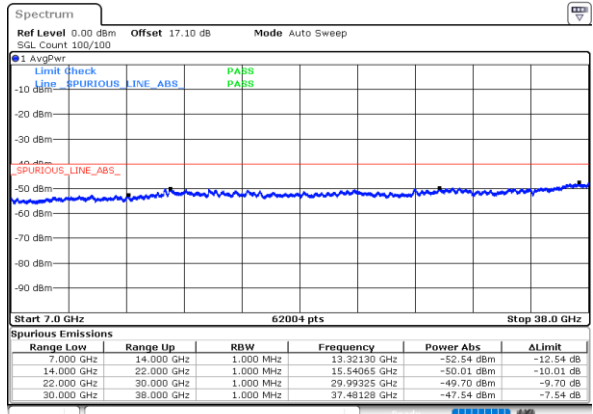
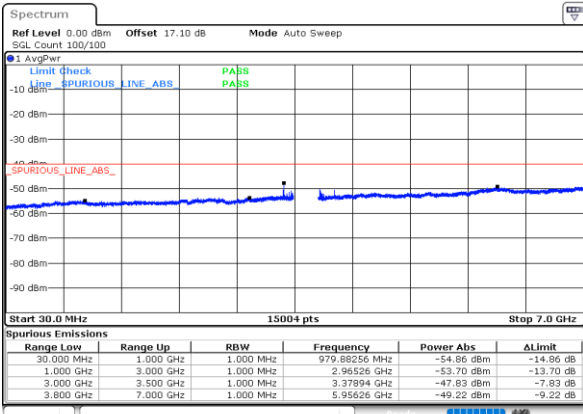
Lowest Channel / QPSK



Middle Channel / QPSK



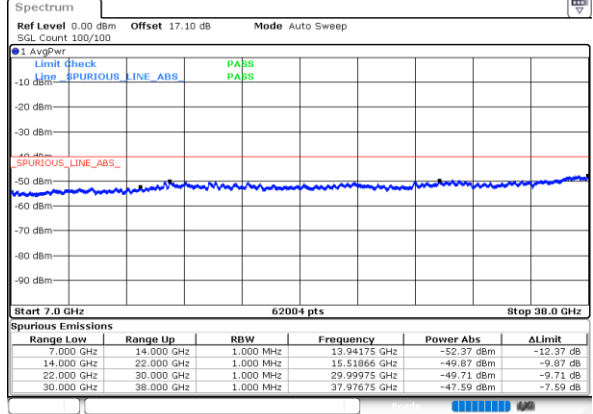
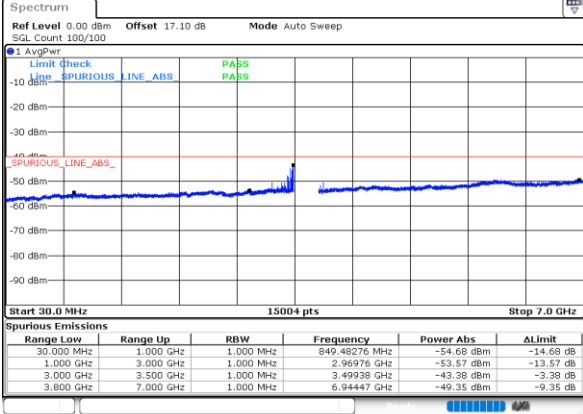
Highest Channel / QPSK



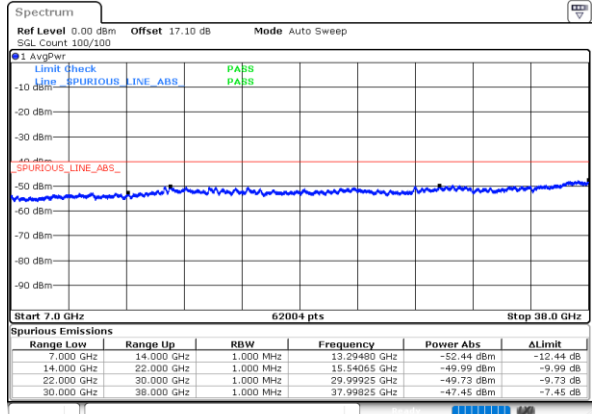
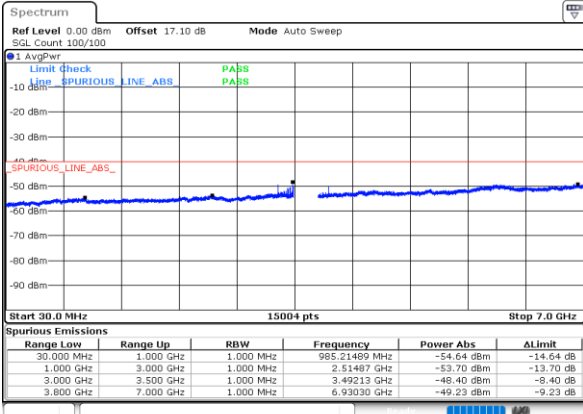


LTE Band 48 / 20MHz

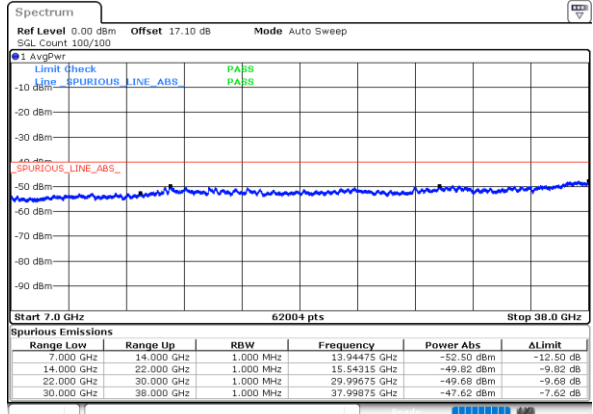
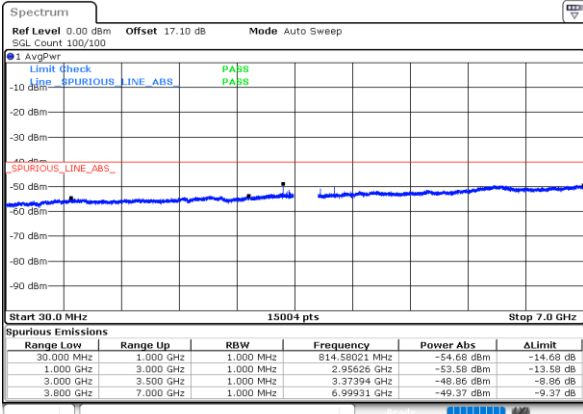
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK





Frequency Stability

| Test Conditions  |                 | LTE Band 48 (QPSK) / Middle Channel | Limit   |
|------------------|-----------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)  | BW 10MHz                            | Note 2. |
|                  |                 | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage  | 0.0039                              | PASS    |
| 40               | Normal Voltage  | 0.0041                              |         |
| 30               | Normal Voltage  | 0.0002                              |         |
| 20(Ref.)         | Normal Voltage  | 0.0000                              |         |
| 10               | Normal Voltage  | 0.0049                              |         |
| 0                | Normal Voltage  | 0.0012                              |         |
| -10              | Normal Voltage  | 0.0043                              |         |
| -20              | Normal Voltage  | 0.0011                              |         |
| -30              | Normal Voltage  | 0.0048                              |         |
| 20               | Maximum Voltage | 0.0034                              |         |
| 20               | Normal Voltage  | 0.0000                              |         |
| 20               | Minimum Voltage | 0.0001                              |         |

Note:

1. Normal Voltage = 3.3 V. ; Minimum Voltage = 3.135 V. ; Maximum Voltage = 3.465 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



## Appendix B. Test Results of Radiated Test

### B1. Summary of each worse mode

| Mode | Part    | Band    | Ch | Freq (MHz) | Level (dBm) | Det | Ant Factor (dB) | Amp\Cbl (dB) | Filter (dB) | EIRPCF (dB) | Reading (dBuV) | Limit (dBm) | Margin (dB) | PoI | Ant  |
|------|---------|---------|----|------------|-------------|-----|-----------------|--------------|-------------|-------------|----------------|-------------|-------------|-----|------|
| 1    | Part 96 | LTE B48 | H  | 7362       | -47.86      | RMS | 36.80           | -20.74       | 1.06        | -95.23      | 30.25          | -40.00      | -7.86       | V   | Ant1 |
| 2    | Part 96 | LTE B48 | M  | 7232       | -49.55      | RMS | 36.56           | -20.81       | 1.00        | -95.23      | 28.93          | -40.00      | -9.55       | V   | Ant4 |

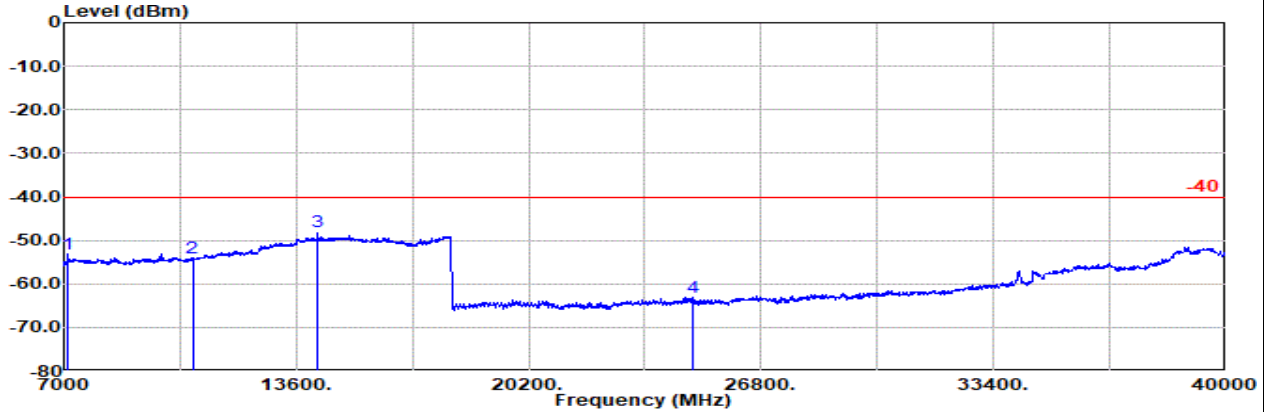


Ant1

Part 96 Mode 1

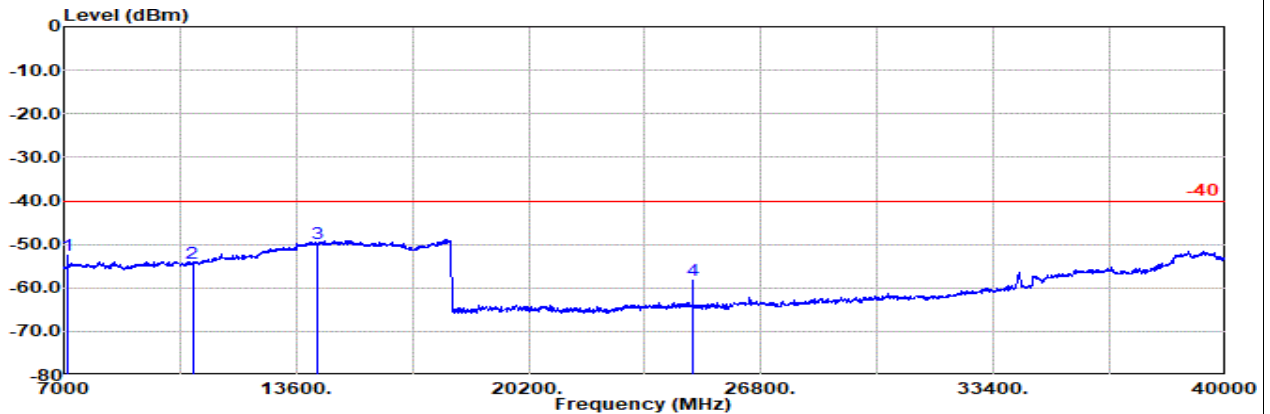
LTE B48 20M Ch55340 1RB0 QPSK

L



Site : 03CH21-HY  
 Condition: -40 1m BBHA9170\_1230\_241025 Horizontal  
 : LTE B48 20M Ch55340 1RB0 QPSK

|   | Freq     | Level  | Detector | Ant Factor | Amp\Cb | Filter | EIRPCF | Readin g | Limit  | Margin | Pol        |
|---|----------|--------|----------|------------|--------|--------|--------|----------|--------|--------|------------|
|   | MHz      | dBm    |          | dB/m       | dB     | dB     | dB     | dBuV     | dBm    | dB     |            |
| 1 | 7102.00  | -53.05 | RMS      | 36.30      | -20.88 | 1.00   | -95.23 | 25.76    | -40.00 | -13.05 | Horizontal |
| 2 | 10653.00 | -54.01 | RMS      | 37.50      | -21.43 | 0.89   | -95.23 | 24.26    | -40.00 | -14.01 | Horizontal |
| 3 | 14204.00 | -48.00 | RMS      | 41.20      | -21.96 | 0.65   | -95.23 | 27.34    | -40.00 | -8.00  | Horizontal |
| 4 | 24858.00 | -62.95 | RMS      | 39.38      | -31.09 | -9.54  | -95.23 | 33.53    | -40.00 | -22.95 | Horizontal |



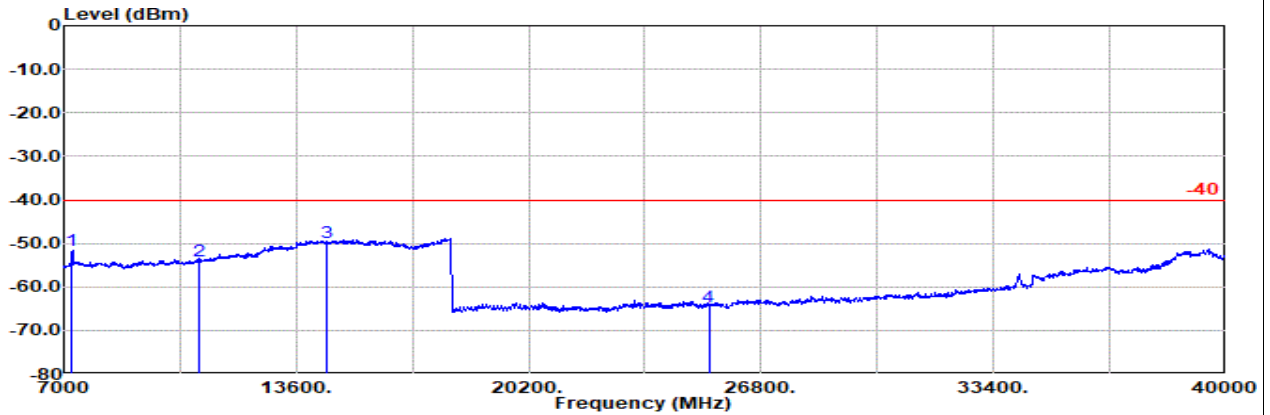
Site : 03CH21-HY  
 Condition: -40 1m BBHA9170\_1230\_241025 Vertical  
 : LTE B48 20M Ch55340 1RB0 QPSK

|   | Freq     | Level  | Detector | Ant Factor | Amp\Cb | Filter | EIRPCF | Readin g | Limit  | Margin | Pol      |
|---|----------|--------|----------|------------|--------|--------|--------|----------|--------|--------|----------|
|   | MHz      | dBm    |          | dB/m       | dB     | dB     | dB     | dBuV     | dBm    | dB     |          |
| 1 | 7102.00  | -52.62 | RMS      | 36.30      | -20.88 | 1.00   | -95.23 | 26.19    | -40.00 | -12.62 | Vertical |
| 2 | 10653.00 | -54.28 | RMS      | 37.50      | -21.43 | 0.89   | -95.23 | 23.99    | -40.00 | -14.28 | Vertical |
| 3 | 14204.00 | -49.76 | RMS      | 41.20      | -21.96 | 0.65   | -95.23 | 25.58    | -40.00 | -9.76  | Vertical |
| 4 | 24858.00 | -58.34 | RMS      | 39.38      | -31.09 | -9.54  | -95.23 | 38.14    | -40.00 | -18.34 | Vertical |



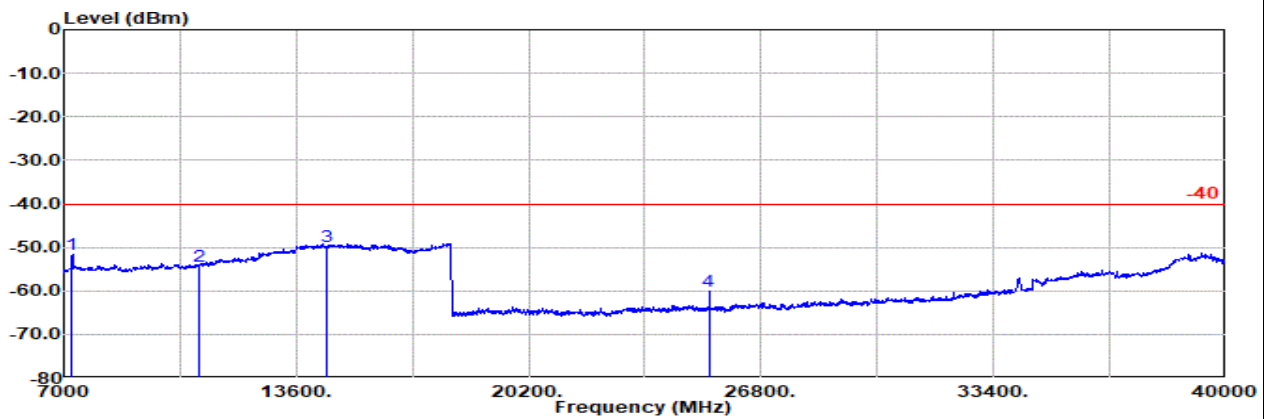
Ant1

Part 96 Mode 1  
LTE B48 20M Ch55990 1RB0 QPSK  
M



Site : 03CH21-HY  
Condition: -40 1m BBHA9170\_1230\_241025 Horizontal  
: LTE B48 20M Ch55990 1RB0 QPSK

|   | Freq     | Level  | Detector | Ant Factor | Amp\Cb | Filter | EIRPCF | Readin g | Limit  | Margin | Pol        |
|---|----------|--------|----------|------------|--------|--------|--------|----------|--------|--------|------------|
|   | MHz      | dBm    |          | dB/m       | dB     | dB     | dB     | dBuV     | dBm    | dB     |            |
| 1 | 7232.00  | -51.71 | RMS      | 36.56      | -20.81 | 1.00   | -95.23 | 26.77    | -40.00 | -11.71 | Horizontal |
| 2 | 10848.00 | -53.96 | RMS      | 37.50      | -21.41 | 0.90   | -95.23 | 24.28    | -40.00 | -13.96 | Horizontal |
| 3 | 14464.00 | -49.86 | RMS      | 41.23      | -22.55 | 0.70   | -95.23 | 25.99    | -40.00 | -9.86  | Horizontal |
| 4 | 25313.00 | -64.57 | RMS      | 39.17      | -30.99 | -9.54  | -95.23 | 32.02    | -40.00 | -24.57 | Horizontal |



Site : 03CH21-HY  
Condition: -40 1m BBHA9170\_1230\_241025 Vertical  
: LTE B48 20M Ch55990 1RB0 QPSK

|   | Freq     | Level  | Detector | Ant Factor | Amp\Cb | Filter | EIRPCF | Readin g | Limit  | Margin | Pol      |
|---|----------|--------|----------|------------|--------|--------|--------|----------|--------|--------|----------|
|   | MHz      | dBm    |          | dB/m       | dB     | dB     | dB     | dBuV     | dBm    | dB     |          |
| 1 | 7232.00  | -51.68 | RMS      | 36.56      | -20.81 | 1.00   | -95.23 | 26.80    | -40.00 | -11.68 | Vertical |
| 2 | 10848.00 | -54.22 | RMS      | 37.50      | -21.41 | 0.90   | -95.23 | 24.02    | -40.00 | -14.22 | Vertical |
| 3 | 14464.00 | -49.94 | RMS      | 41.23      | -22.55 | 0.70   | -95.23 | 25.91    | -40.00 | -9.94  | Vertical |
| 4 | 25313.00 | -59.95 | RMS      | 39.17      | -30.99 | -9.54  | -95.23 | 36.64    | -40.00 | -19.95 | Vertical |



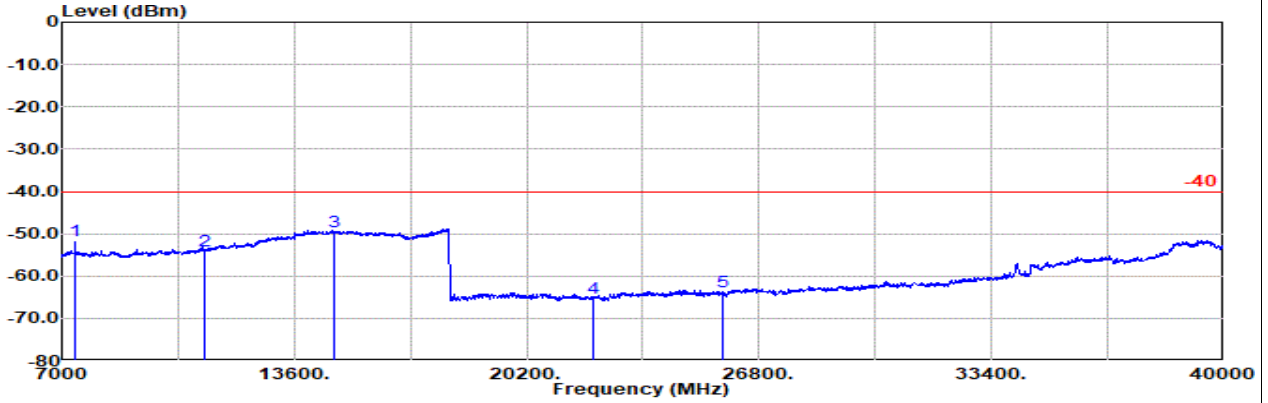


Ant1

Part 96 Mode 1

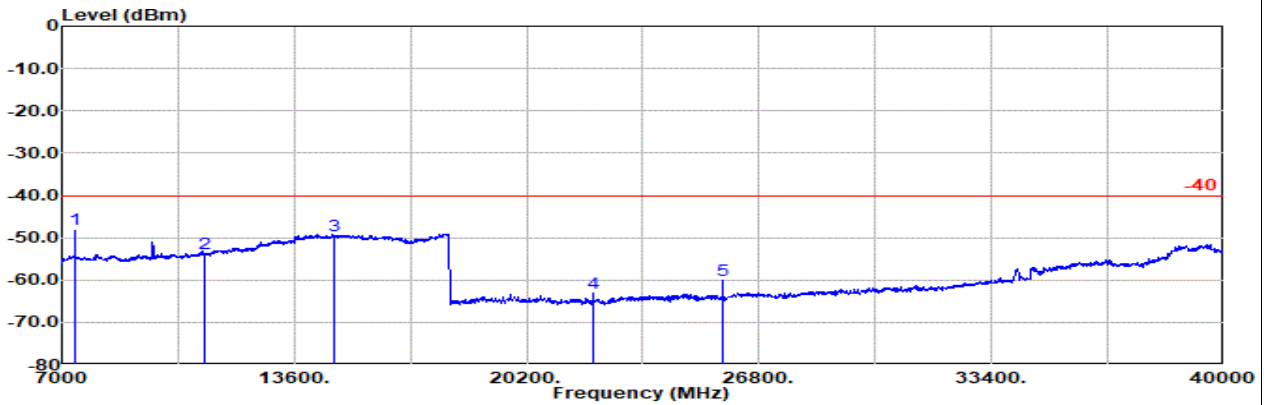
LTE B48 20M Ch56640 1RB0 QPSK

H



Site : 03CH21-HY  
 Condition: -40 1m BBHA9170\_1230\_241025 Horizontal  
 : LTE B48 20M Ch56640 1RB0 QPSK

| 1 | 2 | 3 | 4 | 5 | Freq<br>MHz | Level<br>dBm | Detector | Ant    |              | Filter | EIRPCF | Readin<br>g | Limit<br>dBm | Margin<br>dB | Pol        |
|---|---|---|---|---|-------------|--------------|----------|--------|--------------|--------|--------|-------------|--------------|--------------|------------|
|   |   |   |   |   |             |              |          | Factor | Amp\Cb<br>dB |        |        |             |              |              |            |
|   |   |   |   |   | 7362.00     | -51.52       | RMS      | 36.80  | -20.74       | 1.06   | -95.23 | 26.59       | -40.00       | -11.52       | Horizontal |
|   |   |   |   |   | 11043.00    | -53.95       | RMS      | 37.79  | -21.41       | 0.91   | -95.23 | 23.99       | -40.00       | -13.95       | Horizontal |
|   |   |   |   |   | 14724.00    | -49.46       | RMS      | 41.35  | -22.54       | 0.74   | -95.23 | 26.22       | -40.00       | -9.46        | Horizontal |
|   |   |   |   |   | 22087.00    | -65.34       | RMS      | 38.10  | -33.24       | -9.54  | -95.23 | 34.57       | -40.00       | -25.34       | Horizontal |
|   |   |   |   |   | 25768.00    | -63.55       | RMS      | 38.90  | -30.78       | -9.54  | -95.23 | 33.10       | -40.00       | -23.55       | Horizontal |



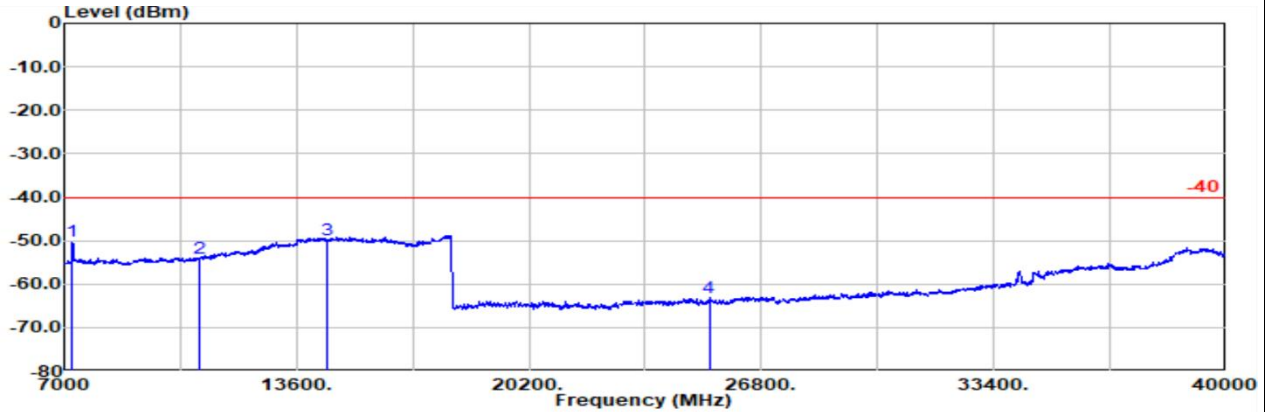
Site : 03CH21-HY  
 Condition: -40 1m BBHA9170\_1230\_241025 Vertical  
 : LTE B48 20M Ch56640 1RB0 QPSK

| 1 | 2 | 3 | 4 | 5 | Freq<br>MHz | Level<br>dBm | Detector | Ant    |              | Filter | EIRPCF | Readin<br>g | Limit<br>dBm | Margin<br>dB | Pol      |
|---|---|---|---|---|-------------|--------------|----------|--------|--------------|--------|--------|-------------|--------------|--------------|----------|
|   |   |   |   |   |             |              |          | Factor | Amp\Cb<br>dB |        |        |             |              |              |          |
|   |   |   |   |   | 7362.00     | -47.86       | RMS      | 36.80  | -20.74       | 1.06   | -95.23 | 30.25       | -40.00       | -7.86        | Vertical |
|   |   |   |   |   | 11043.00    | -53.72       | RMS      | 37.79  | -21.41       | 0.91   | -95.23 | 24.22       | -40.00       | -13.72       | Vertical |
|   |   |   |   |   | 14724.00    | -49.59       | RMS      | 41.35  | -22.54       | 0.74   | -95.23 | 26.09       | -40.00       | -9.59        | Vertical |
|   |   |   |   |   | 22087.00    | -62.99       | RMS      | 38.10  | -33.24       | -9.54  | -95.23 | 36.92       | -40.00       | -22.99       | Vertical |
|   |   |   |   |   | 25768.00    | -59.97       | RMS      | 38.90  | -30.78       | -9.54  | -95.23 | 36.68       | -40.00       | -19.97       | Vertical |



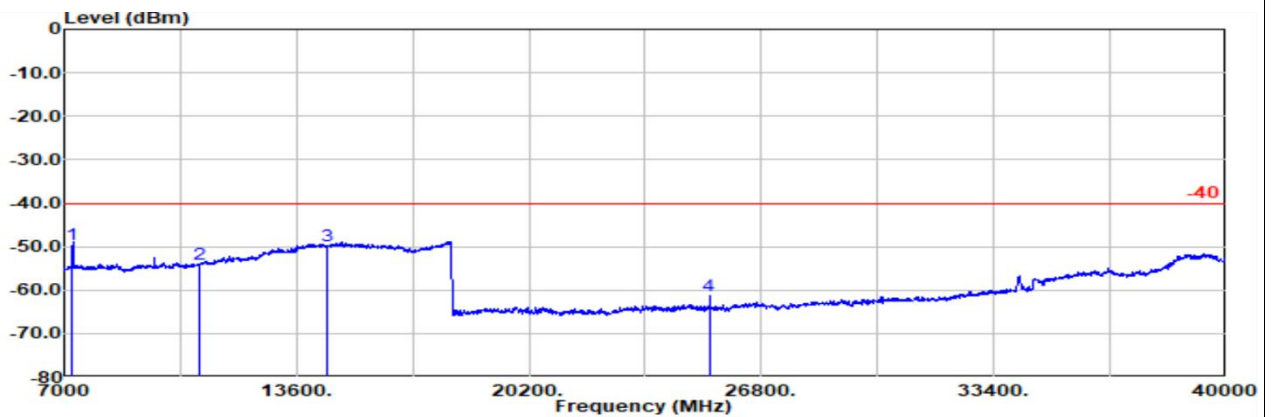
Ant4

Part 96 Mode 2  
 LTE B48 20M Ch55990 1RB0 QPSK  
 M



Site : 03CH21-HY  
 Condition: -40 1m BBHA9170\_1230\_241025 Horizontal  
 : LTE B48 20M Ch55990 1RB0 QPSK

| Freq       | Level  | Detector | Ant Factor | Amp\Cb | Filter | EIRPCF | Reading | Limit  | Margin | Pol        |
|------------|--------|----------|------------|--------|--------|--------|---------|--------|--------|------------|
| MHz        | dBm    |          | dB/m       | dB     | dB     | dB     | dBuV    | dBm    | dB     |            |
| 1 7232.00  | -50.16 | RMS      | 36.56      | -20.81 | 1.00   | -95.23 | 28.32   | -40.00 | -10.16 | Horizontal |
| 2 10848.00 | -54.05 | RMS      | 37.50      | -21.41 | 0.90   | -95.23 | 24.19   | -40.00 | -14.05 | Horizontal |
| 3 14464.00 | -49.95 | RMS      | 41.23      | -22.55 | 0.70   | -95.23 | 25.90   | -40.00 | -9.95  | Horizontal |
| 4 25313.00 | -62.97 | RMS      | 39.17      | -30.99 | -9.54  | -95.23 | 33.62   | -40.00 | -22.97 | Horizontal |



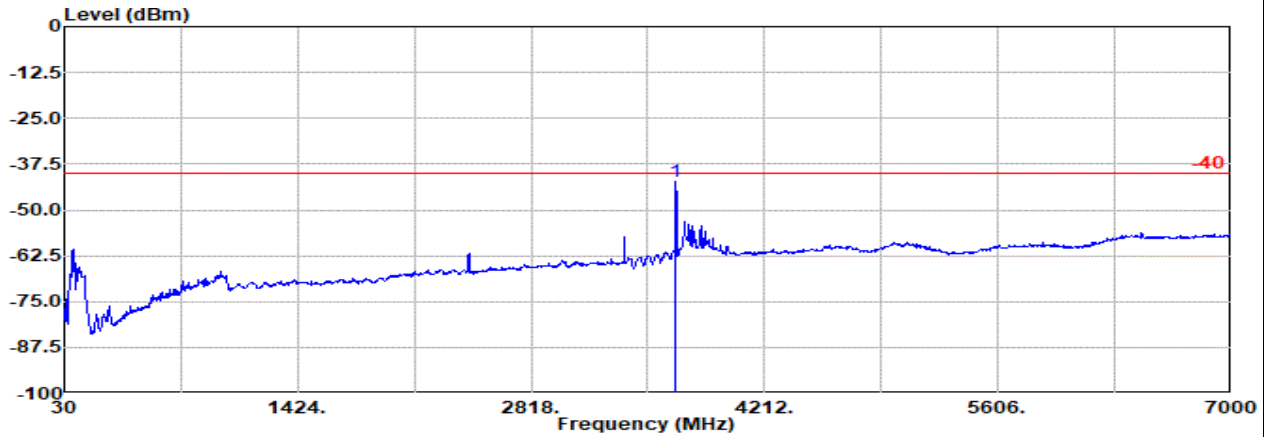
Site : 03CH21-HY  
 Condition: -40 1m BBHA9170\_1230\_241025 Vertical  
 : LTE B48 20M Ch55990 1RB0 QPSK

| Freq       | Level  | Detector | Ant Factor | Amp\Cb | Filter | EIRPCF | Reading | Limit  | Margin | Pol      |
|------------|--------|----------|------------|--------|--------|--------|---------|--------|--------|----------|
| MHz        | dBm    |          | dB/m       | dB     | dB     | dB     | dBuV    | dBm    | dB     |          |
| 1 7232.00  | -49.55 | RMS      | 36.56      | -20.81 | 1.00   | -95.23 | 28.93   | -40.00 | -9.55  | Vertical |
| 2 10848.00 | -54.04 | RMS      | 37.50      | -21.41 | 0.90   | -95.23 | 24.20   | -40.00 | -14.04 | Vertical |
| 3 14464.00 | -49.89 | RMS      | 41.23      | -22.55 | 0.70   | -95.23 | 25.96   | -40.00 | -9.89  | Vertical |
| 4 25313.00 | -61.21 | RMS      | 39.17      | -30.99 | -9.54  | -95.23 | 35.38   | -40.00 | -21.21 | Vertical |



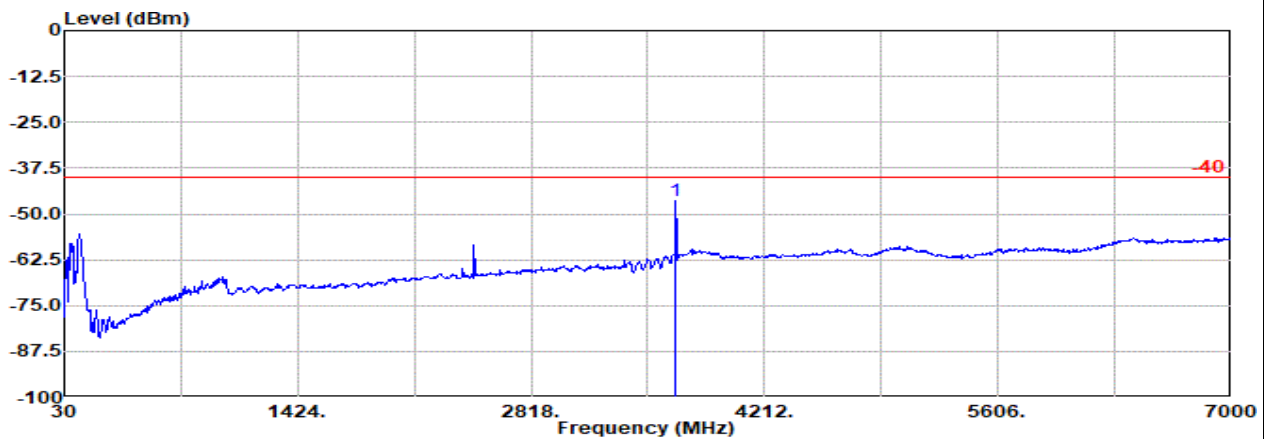
Ant1

Part 96 Mode 1  
 LTE B48 20M Ch56640 1RB0 QPSK  
 H



Site : 03CH21-HY  
 Condition: -40 3m DRH18-E\_LE2C03A18EN\_240711 Horizontal  
 : LTE B48 20M Ch56640 1RB0 QPSK  
 : #1 is fundamental signal which can be ignored.

| 1 | Freq    | Level  | Detector | Ant    | Amp\Cb | Filter | EIRPCF | Readin | Limit  | Margin | Pol        |
|---|---------|--------|----------|--------|--------|--------|--------|--------|--------|--------|------------|
|   | MHz     | dBm    |          | Factor | dB     |        |        | dB     | dB     |        |            |
| 1 | 3682.00 | -42.29 | RMS      | 29.53  | -22.27 | 0.56   | -95.23 | 45.12  | -40.00 | -2.29  | Horizontal |



Site : 03CH21-HY  
 Condition: -40 3m DRH18-E\_LE2C03A18EN\_240711 Vertical  
 : LTE B48 20M Ch56640 1RB0 QPSK  
 : #1 is fundamental signal which can be ignored.

| 1 | Freq    | Level  | Detector | Ant    | Amp\Cb | Filter | EIRPCF | Readin | Limit  | Margin | Pol      |
|---|---------|--------|----------|--------|--------|--------|--------|--------|--------|--------|----------|
|   | MHz     | dBm    |          | Factor | dB     |        |        | dB     | dB     |        |          |
| 1 | 3682.00 | -46.43 | RMS      | 29.53  | -22.27 | 0.56   | -95.23 | 40.98  | -40.00 | -6.43  | Vertical |

Remark: #1 is fundamental signal which can be ignored.