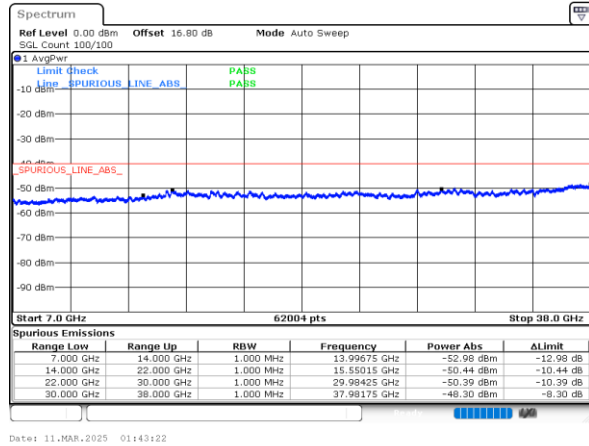
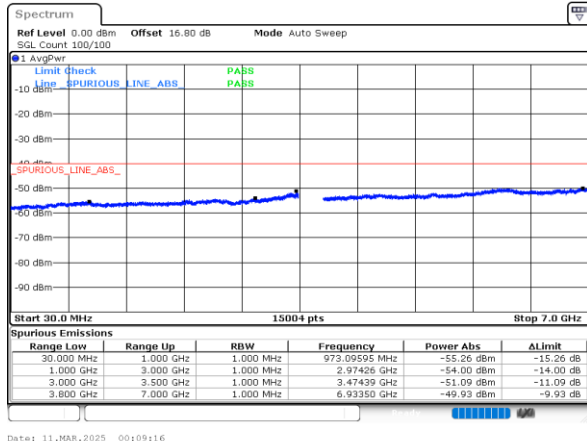


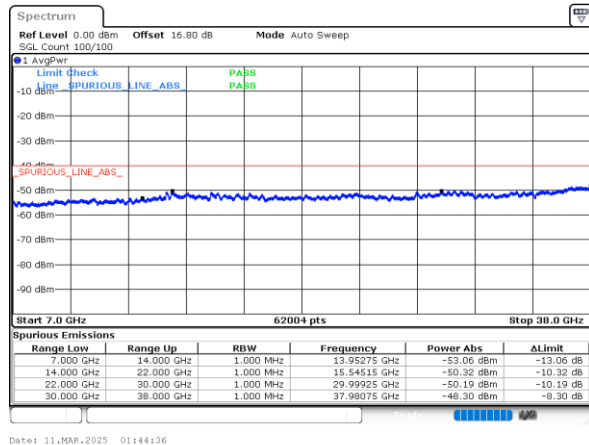
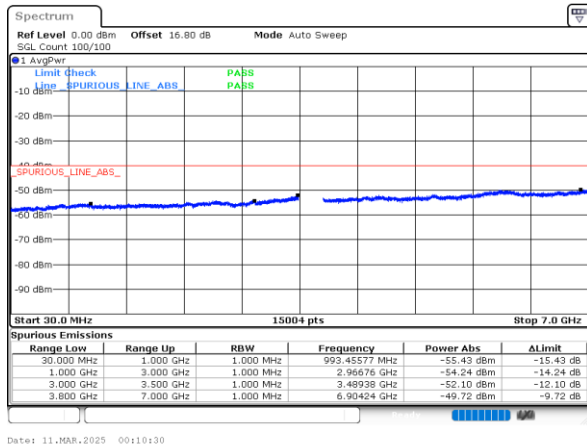


## LTE Band 48 / 10MHz

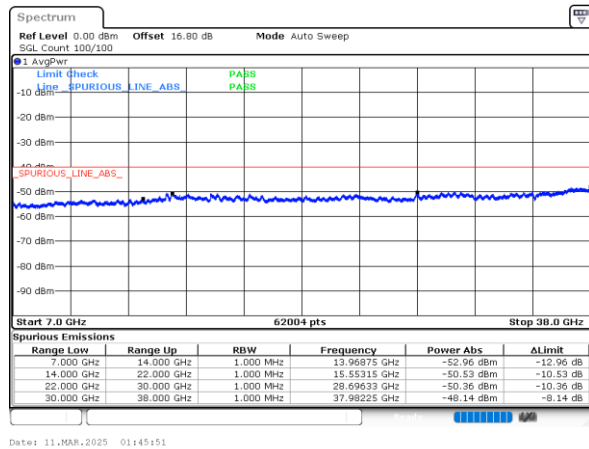
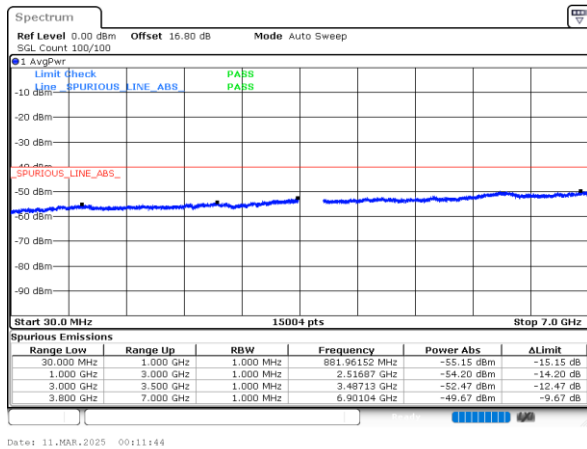
## Lowest Channel / QPSK



## Middle Channel / QPSK



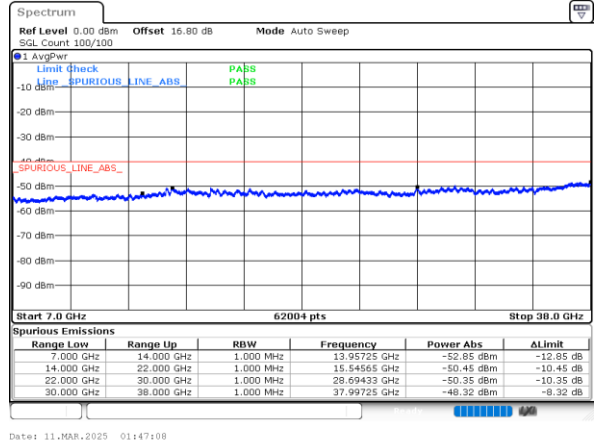
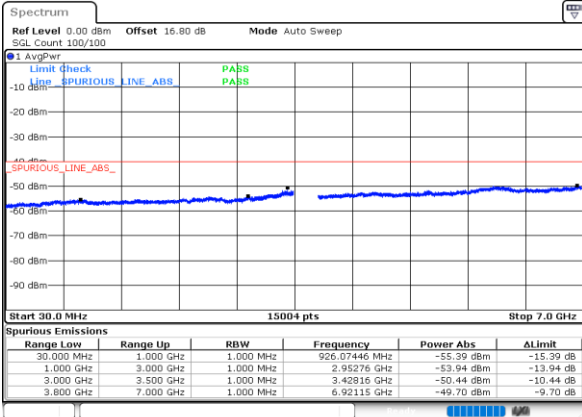
## Highest Channel / QPSK



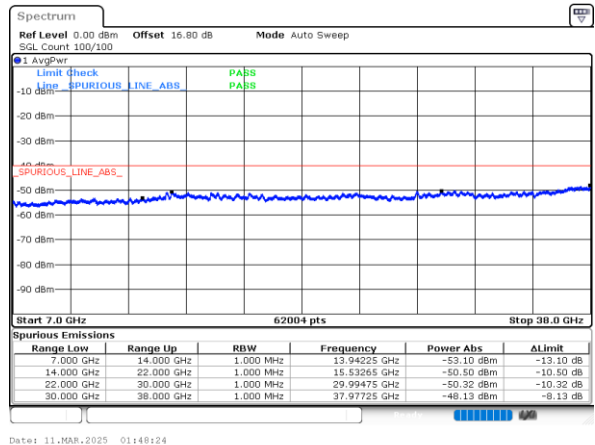
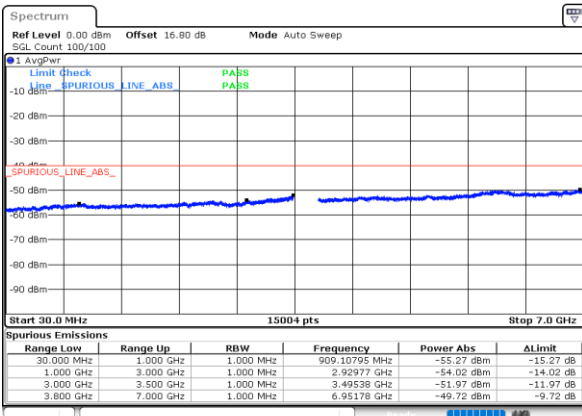


## LTE Band 48 / 15MHz

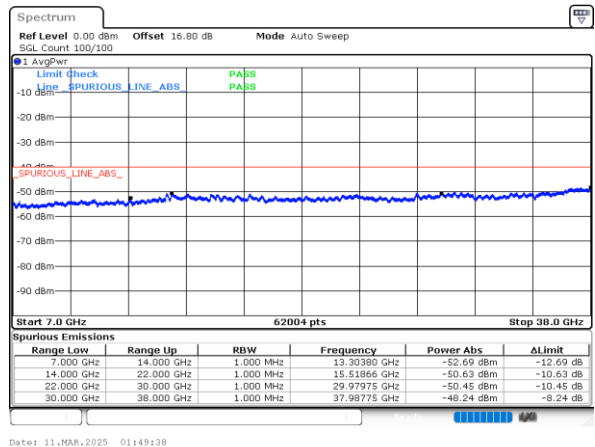
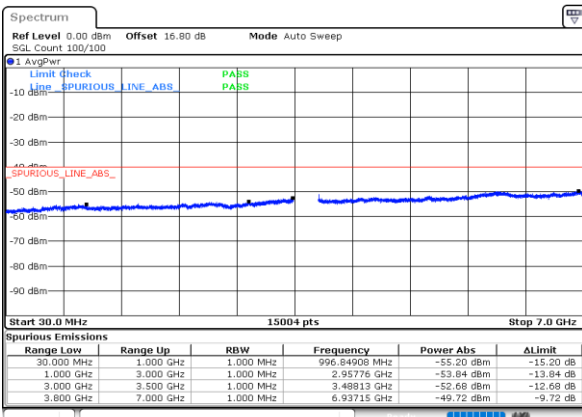
## Lowest Channel / QPSK



## Middle Channel / QPSK



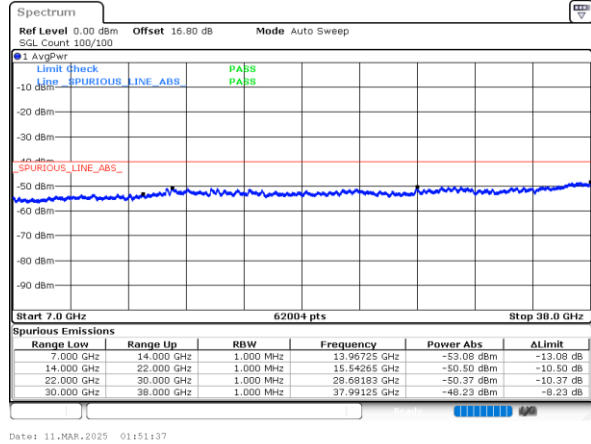
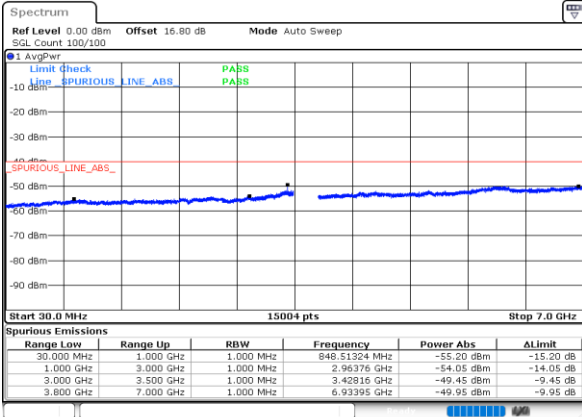
## Highest Channel / QPSK



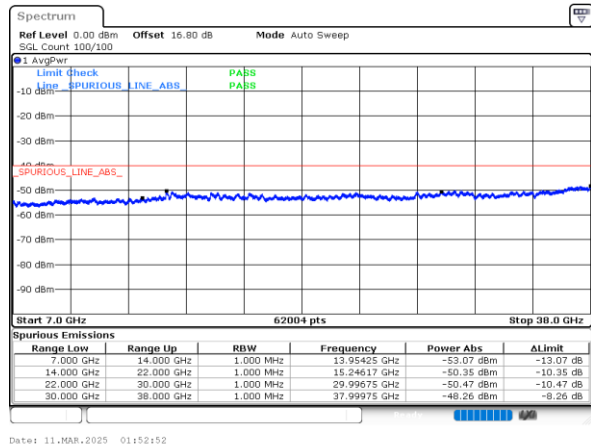
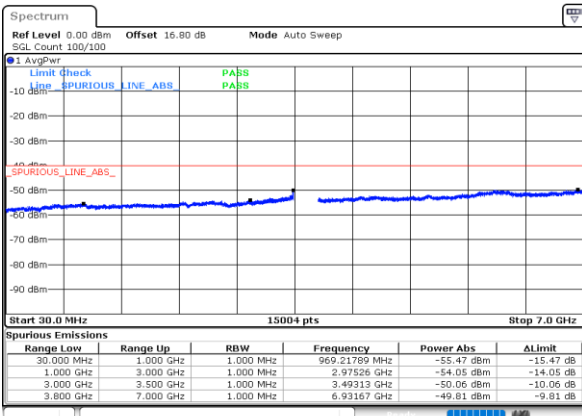


## LTE Band 48 / 20MHz

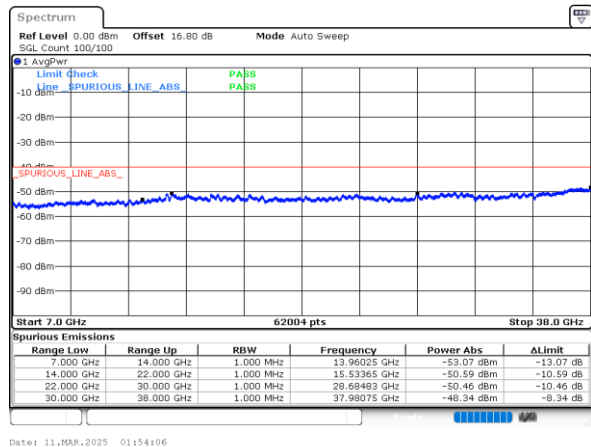
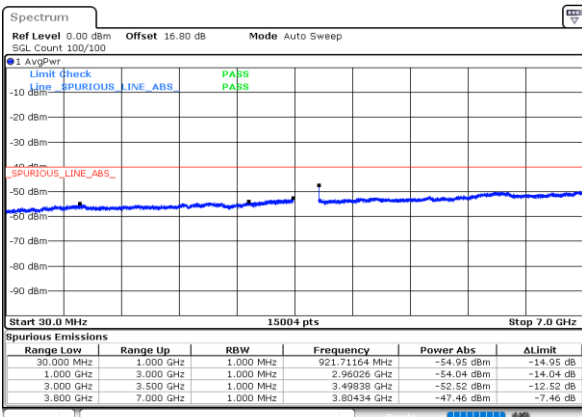
## Lowest Channel / QPSK



## Middle Channel / QPSK



## Highest Channel / QPSK



## Frequency Stability

| Test Conditions     |                   | LTE Band 48 (QPSK) / Middle Channel | Limit   |
|---------------------|-------------------|-------------------------------------|---------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 10MHz                            | Note 2. |
|                     |                   | Deviation (ppm)                     | Result  |
| 50                  | Normal Voltage    | 0.0009                              | PASS    |
| 40                  | Normal Voltage    | 0.0012                              |         |
| 30                  | Normal Voltage    | 0.0014                              |         |
| 20(Ref.)            | Normal Voltage    | 0.0000                              |         |
| 10                  | Normal Voltage    | 0.0010                              |         |
| 0                   | Normal Voltage    | 0.0001                              |         |
| -10                 | Normal Voltage    | 0.0001                              |         |
| -20                 | Normal Voltage    | 0.0014                              |         |
| -30                 | Normal Voltage    | 0.0012                              |         |
| 20                  | Maximum Voltage   | 0.0014                              |         |
| 20                  | Normal Voltage    | 0.0000                              |         |
| 20                  | Minimum Voltage   | 0.0010                              |         |

**Note:**

1. Normal Voltage = 3.89 V. ; Minimum Voltage = 3.6 V. ; Maximum Voltage = 4.5 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) | Pol | Ant |
|------|---------|---------|----|------------|-------------|-----|-----------------|--------------|-------------|-------------|----------------|-------------|-------------|-----|-----|
| 1    | Part 96 | LTE B48 | L  | 14204      | -53.03      | RMS | 40.99           | -48.02       | 0.45        | -95.23      | 48.78          | -40.00      | -13.03      | V   | 6   |
| 2    | Part 96 | LTE B48 | L  | 10653      | -52.91      | RMS | 39.20           | -51.99       | 0.26        | -95.23      | 54.85          | -40.00      | -12.91      | V   | 1   |
| 3    | Part 96 | LTE B48 | L  | 14204      | -53.32      | RMS | 40.99           | -48.02       | 0.45        | -95.23      | 48.49          | -40.00      | -13.32      | H   | 2   |
| 4    | Part 96 | LTE B48 | L  | 10653      | -45.77      | RMS | 39.20           | -51.99       | 0.26        | -95.23      | 61.99          | -40.00      | -5.77       | V   | 5   |

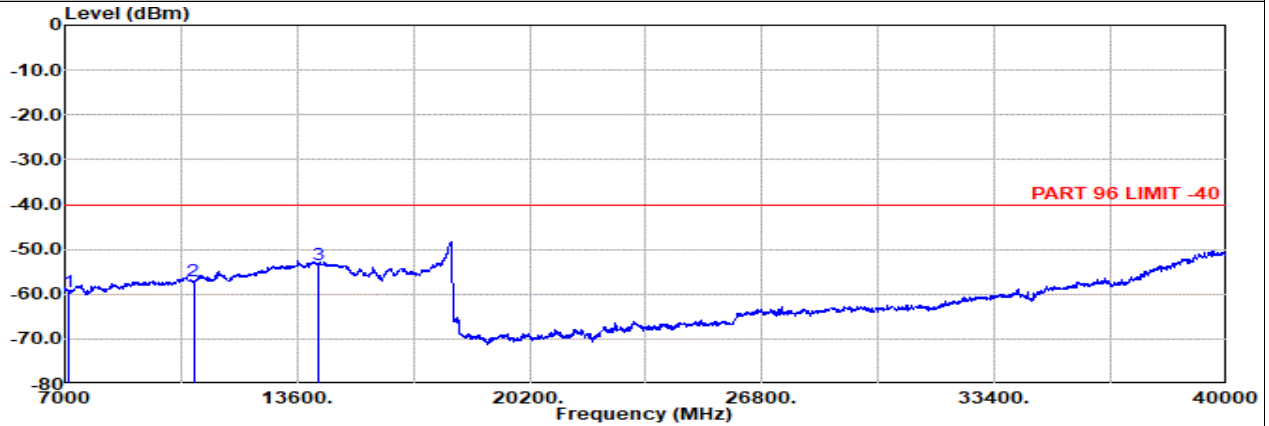


Ant. 6

## Part 96 Mode 1

LTE B48 20M Ch55340 1RB0 QPSK

L

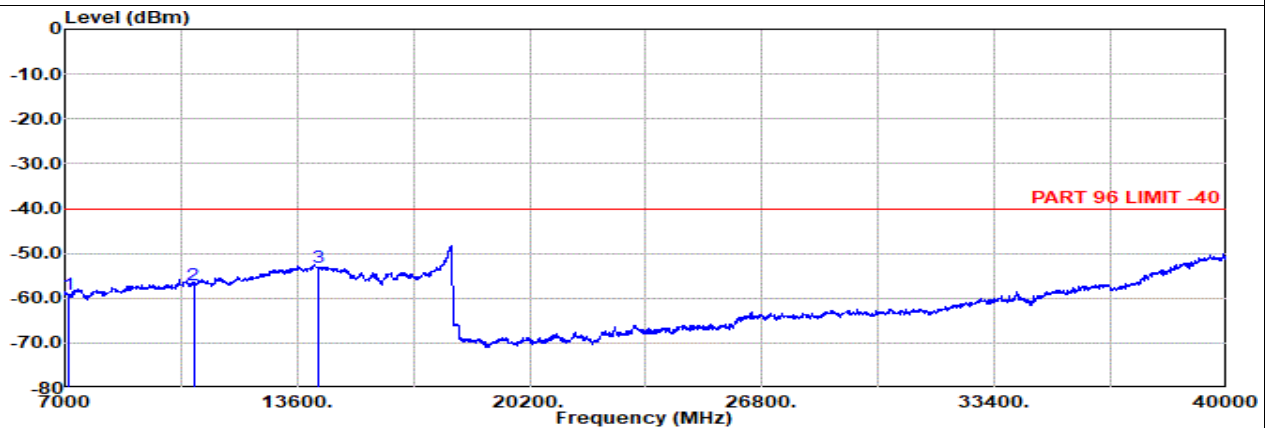


Site : 03CH12-HY

Condition: PART 96 LIMIT -40 3m 9120D-02114-240711 Horizontal

: LTE Band 48 20M Ch55340 1RB0 QPSK

|   | Freq Level |        | Detector | Ant Amp\Cb Filter |        | EIRPCF |        | Readin Limit |        | Margin Pol |            |
|---|------------|--------|----------|-------------------|--------|--------|--------|--------------|--------|------------|------------|
|   | MHz        | dBm    |          | Factor            | 1      | dB     | dB     | dBuV         | dBm    | dB         |            |
| 1 | 7102.00    | -59.51 | RMS      | 36.61             | -53.58 | 0.90   | -95.23 | 51.79        | -40.00 | -19.51     | Horizontal |
| 2 | 10653.00   | -56.96 | RMS      | 39.20             | -51.99 | 0.26   | -95.23 | 50.80        | -40.00 | -16.96     | Horizontal |
| 3 | 14204.00   | -53.33 | RMS      | 40.99             | -48.02 | 0.45   | -95.23 | 48.48        | -40.00 | -13.33     | Horizontal |



Site : 03CH12-HY

Condition: PART 96 LIMIT -40 3m 9120D-02114-240711 Vertical

: LTE Band 48 20M Ch55340 1RB0 QPSK

|   | Freq Level |        | Detector | Ant Amp\Cb Filter |        | EIRPCF |        | Readin Limit |        | Margin Pol |          |
|---|------------|--------|----------|-------------------|--------|--------|--------|--------------|--------|------------|----------|
|   | MHz        | dBm    |          | Factor            | 1      | dB     | dB     | dBuV         | dBm    | dB         |          |
| 1 | 7102.00    | -59.28 | RMS      | 36.61             | -53.58 | 0.90   | -95.23 | 52.02        | -40.00 | -19.28     | Vertical |
| 2 | 10653.00   | -57.11 | RMS      | 39.20             | -51.99 | 0.26   | -95.23 | 50.65        | -40.00 | -17.11     | Vertical |
| 3 | 14204.00   | -53.03 | RMS      | 40.99             | -48.02 | 0.45   | -95.23 | 48.78        | -40.00 | -13.03     | Vertical |

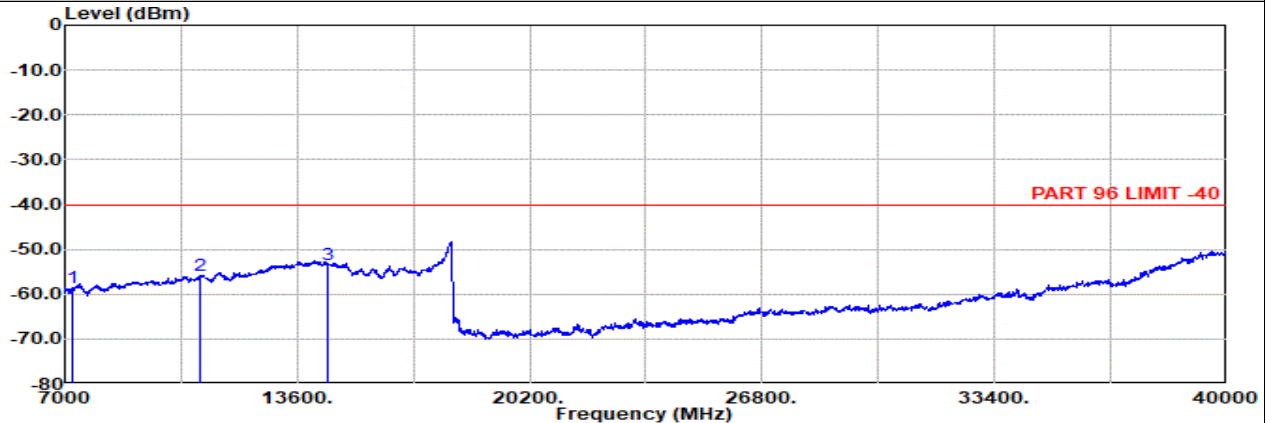


Ant. 6

## Part 96 Mode 1

LTE B48 20M Ch55990 1RB0 QPSK

M

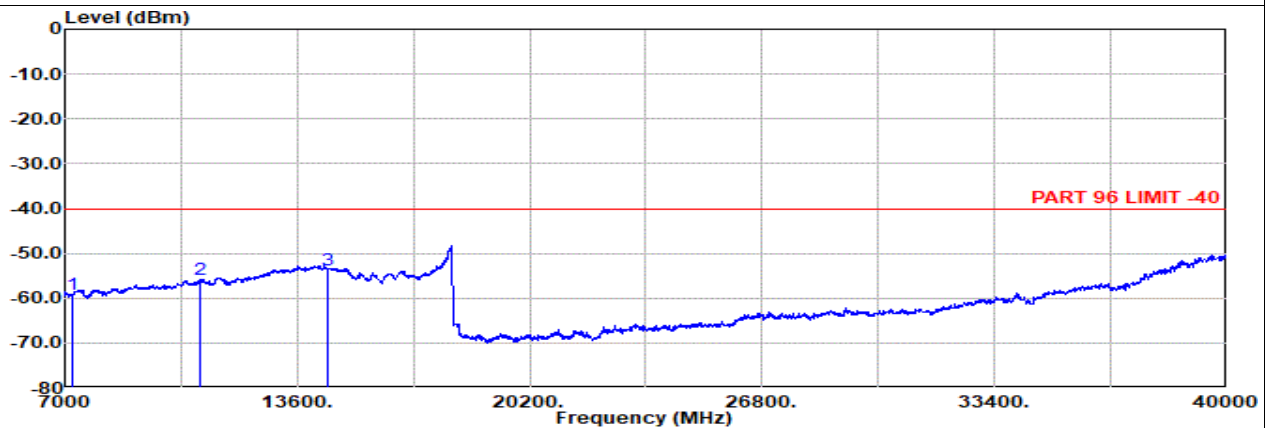


Site : 03CH12-HY

Condition: PART 96 LIMIT -40 3m 9120D-02114-240711 Horizontal

: LTE Band 48 20M Ch55990 1RB0 QPSK

|   | Freq     | Level  | Detector | Ant Amp\Cb Filter |        | EIRPCF | Readin | Limit | Margin Pol |                   |
|---|----------|--------|----------|-------------------|--------|--------|--------|-------|------------|-------------------|
|   |          |        |          | Factor            | 1      |        |        |       |            |                   |
|   | MHz      | dBm    |          | dB/m              | dB     | dB     | dB     | dBuV  | dBm        | dB                |
| 1 | 7232.00  | -58.54 | RMS      | 37.13             | -53.49 | 0.88   | -95.23 | 52.17 | -40.00     | -18.54 Horizontal |
| 2 | 10848.00 | -55.95 | RMS      | 39.20             | -51.78 | 0.27   | -95.23 | 51.59 | -40.00     | -15.95 Horizontal |
| 3 | 14464.00 | -53.40 | RMS      | 40.63             | -47.57 | 0.44   | -95.23 | 48.33 | -40.00     | -13.40 Horizontal |



Site : 03CH12-HY

Condition: PART 96 LIMIT -40 3m 9120D-02114-240711 Vertical

: LTE Band 48 20M Ch55990 1RB0 QPSK

|   | Freq     | Level  | Detector | Ant Amp\Cb Filter |        | EIRPCF | Readin | Limit | Margin Pol |                 |
|---|----------|--------|----------|-------------------|--------|--------|--------|-------|------------|-----------------|
|   |          |        |          | Factor            | 1      |        |        |       |            |                 |
|   | MHz      | dBm    |          | dB/m              | dB     | dB     | dB     | dBuV  | dBm        | dB              |
| 1 | 7232.00  | -59.15 | RMS      | 37.13             | -53.49 | 0.88   | -95.23 | 51.56 | -40.00     | -19.15 Vertical |
| 2 | 10848.00 | -55.93 | RMS      | 39.20             | -51.78 | 0.27   | -95.23 | 51.61 | -40.00     | -15.93 Vertical |
| 3 | 14464.00 | -53.69 | RMS      | 40.63             | -47.57 | 0.44   | -95.23 | 48.04 | -40.00     | -13.69 Vertical |

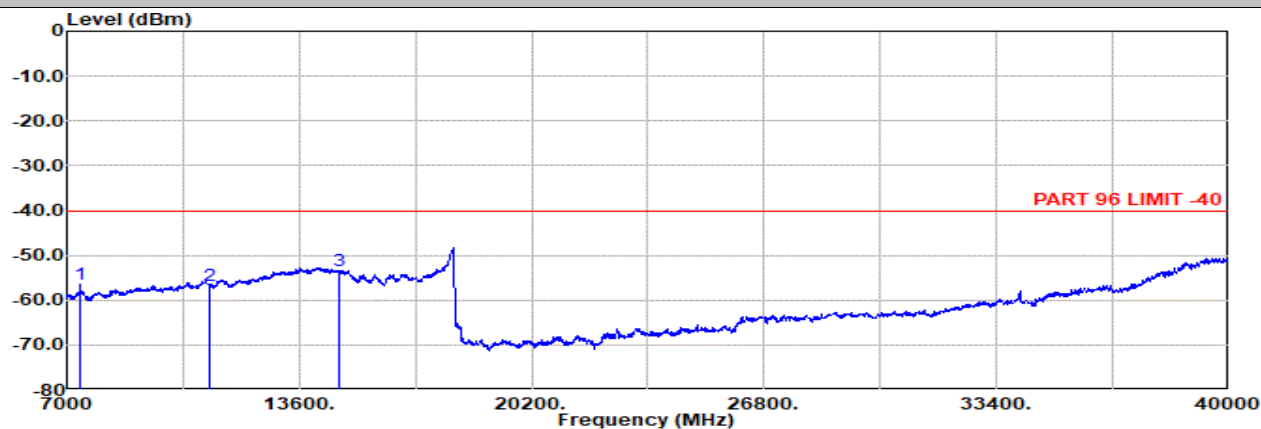


Ant. 6

## Part 96 Mode 1

LTE B48 20M Ch56640 1RB0 QPSK

H

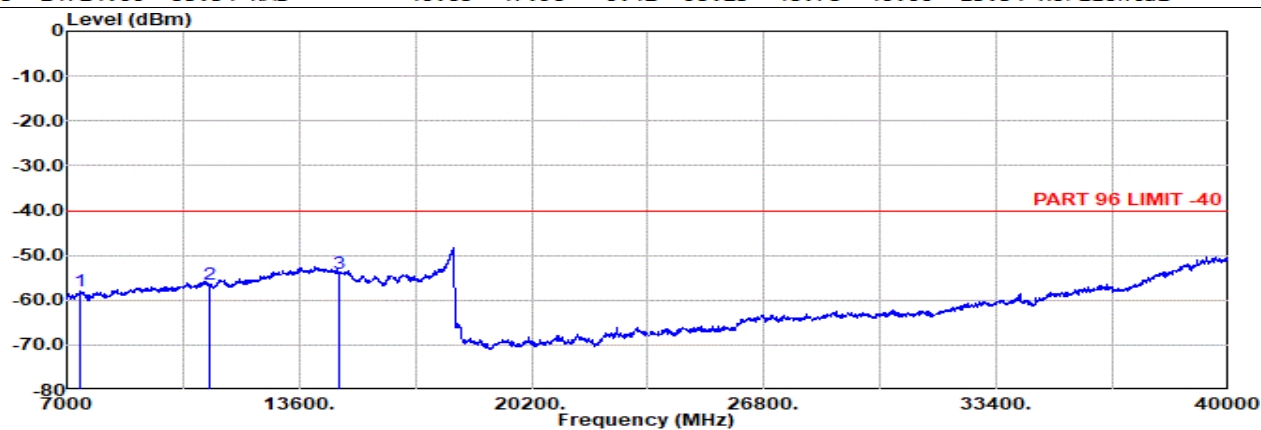


Site : 03CH12-HY

Condition: PART 96 LIMIT -40 3m 9120D-02114-240711 Horizontal

: LTE Band 48 20M Ch56640 1RB0 QPSK

|   | Freq     | Level  | Detector | Ant Amp\Cb Filter |        | EIRPCF | Readin | Limit | Margin Pol |                   |
|---|----------|--------|----------|-------------------|--------|--------|--------|-------|------------|-------------------|
|   |          |        |          | Factor            | 1      |        |        |       |            |                   |
|   | MHz      | dBm    |          | dB/m              | dB     | dB     | dB     | dBuV  | dBm        | dB                |
| 1 | 7362.00  | -56.52 | RMS      | 36.83             | -53.44 | 0.83   | -95.23 | 54.49 | -40.00     | -16.52 Horizontal |
| 2 | 11043.00 | -56.65 | RMS      | 38.90             | -51.54 | 0.28   | -95.23 | 50.94 | -40.00     | -16.65 Horizontal |
| 3 | 14724.00 | -53.34 | RMS      | 40.65             | -47.96 | 0.42   | -95.23 | 48.78 | -40.00     | -13.34 Horizontal |



Site : 03CH12-HY

Condition: PART 96 LIMIT -40 3m 9120D-02114-240711 Vertical

: LTE Band 48 20M Ch56640 1RB0 QPSK

|   | Freq     | Level  | Detector | Ant Amp\Cb Filter |        | EIRPCF | Readin | Limit | Margin Pol |                 |
|---|----------|--------|----------|-------------------|--------|--------|--------|-------|------------|-----------------|
|   |          |        |          | Factor            | 1      |        |        |       |            |                 |
|   | MHz      | dBm    |          | dB/m              | dB     | dB     | dB     | dBuV  | dBm        | dB              |
| 1 | 7362.00  | -57.99 | RMS      | 36.83             | -53.44 | 0.83   | -95.23 | 53.02 | -40.00     | -17.99 Vertical |
| 2 | 11043.00 | -56.33 | RMS      | 38.90             | -51.54 | 0.28   | -95.23 | 51.26 | -40.00     | -16.33 Vertical |
| 3 | 14724.00 | -53.89 | RMS      | 40.65             | -47.96 | 0.42   | -95.23 | 48.23 | -40.00     | -13.89 Vertical |



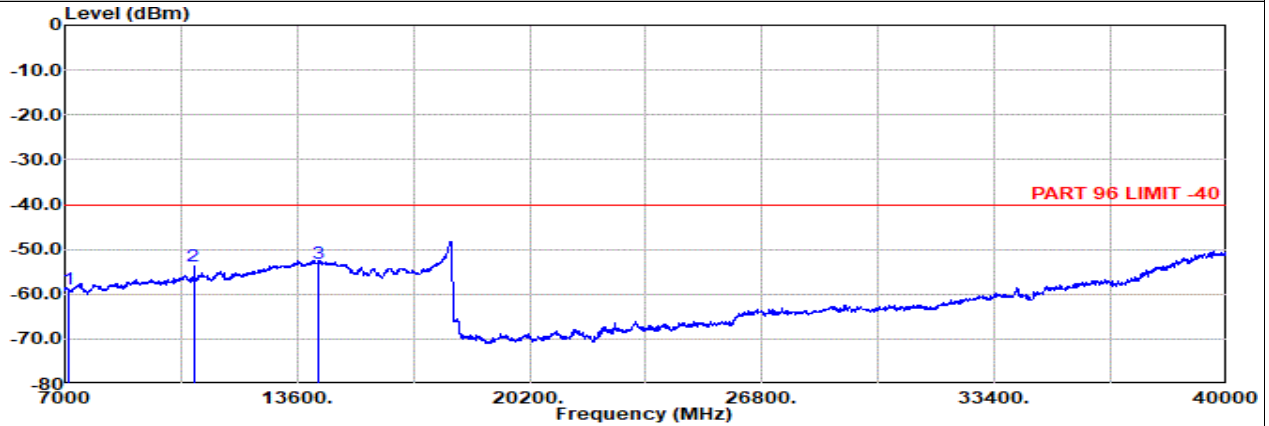


Ant. 1

## Part 96 Mode 2

LTE B48 20M Ch55340 1RB0 QPSK

L

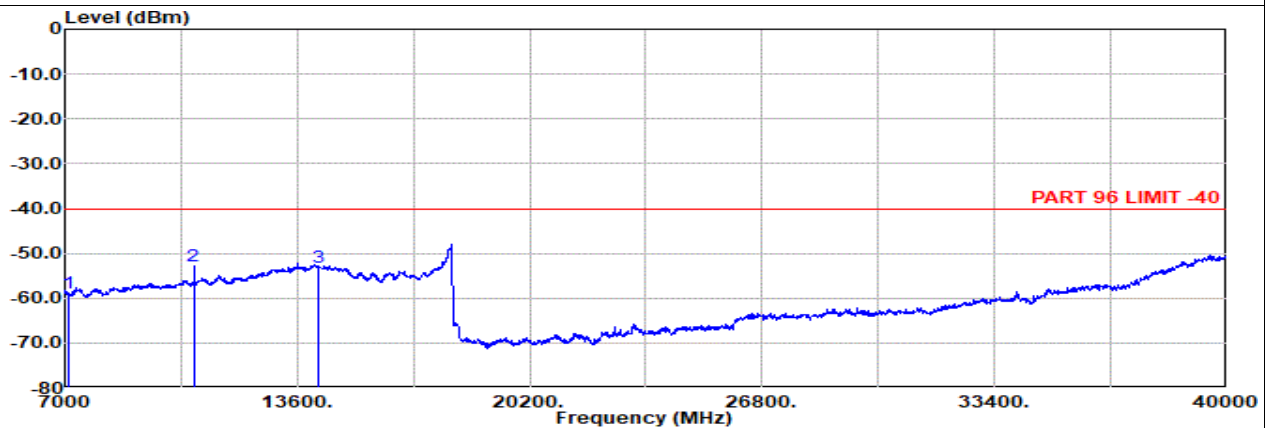


Site : 03CH12-HY

Condition: PART 96 LIMIT -40 3m 9120D-02114-240711 Horizontal

: LTE Band 48 20M Ch55340 1RB0 QPSK

|   | Freq Level |        | Detector | Ant Amp\Cb Filter |        | EIRPCF |        | Readin Limit |        | Margin Pol |            |
|---|------------|--------|----------|-------------------|--------|--------|--------|--------------|--------|------------|------------|
|   | MHz        | dBm    |          | Factor            | 1      | dB     | dB     | dBuV         | dBm    | dB         |            |
| 1 | 7102.00    | -58.74 | RMS      | 36.61             | -53.58 | 0.90   | -95.23 | 52.56        | -40.00 | -18.74     | Horizontal |
| 2 | 10653.00   | -53.73 | RMS      | 39.20             | -51.99 | 0.26   | -95.23 | 54.03        | -40.00 | -13.73     | Horizontal |
| 3 | 14204.00   | -53.15 | RMS      | 40.99             | -48.02 | 0.45   | -95.23 | 48.66        | -40.00 | -13.15     | Horizontal |



Site : 03CH12-HY

Condition: PART 96 LIMIT -40 3m 9120D-02114-240711 Vertical

: LTE Band 48 20M Ch55340 1RB0 QPSK

|   | Freq Level |        | Detector | Ant Amp\Cb Filter |        | EIRPCF |        | Readin Limit |        | Margin Pol |          |
|---|------------|--------|----------|-------------------|--------|--------|--------|--------------|--------|------------|----------|
|   | MHz        | dBm    |          | Factor            | 1      | dB     | dB     | dBuV         | dBm    | dB         |          |
| 1 | 7102.00    | -58.81 | RMS      | 36.61             | -53.58 | 0.90   | -95.23 | 52.49        | -40.00 | -18.81     | Vertical |
| 2 | 10653.00   | -52.91 | RMS      | 39.20             | -51.99 | 0.26   | -95.23 | 54.85        | -40.00 | -12.91     | Vertical |
| 3 | 14204.00   | -53.06 | RMS      | 40.99             | -48.02 | 0.45   | -95.23 | 48.75        | -40.00 | -13.06     | Vertical |

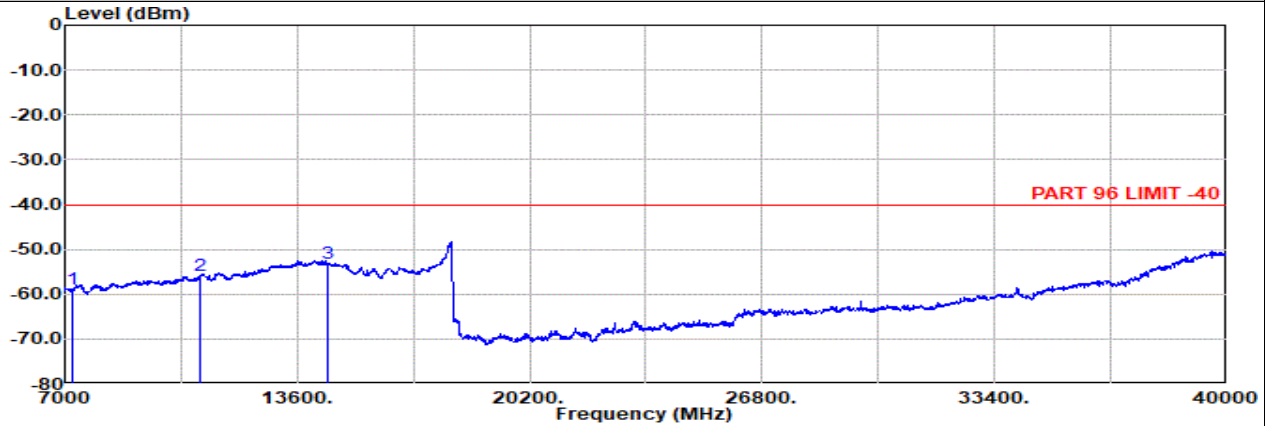


Ant. 1

## Part 96 Mode 2

LTE B48 20M Ch55990 1RB0 QPSK

M

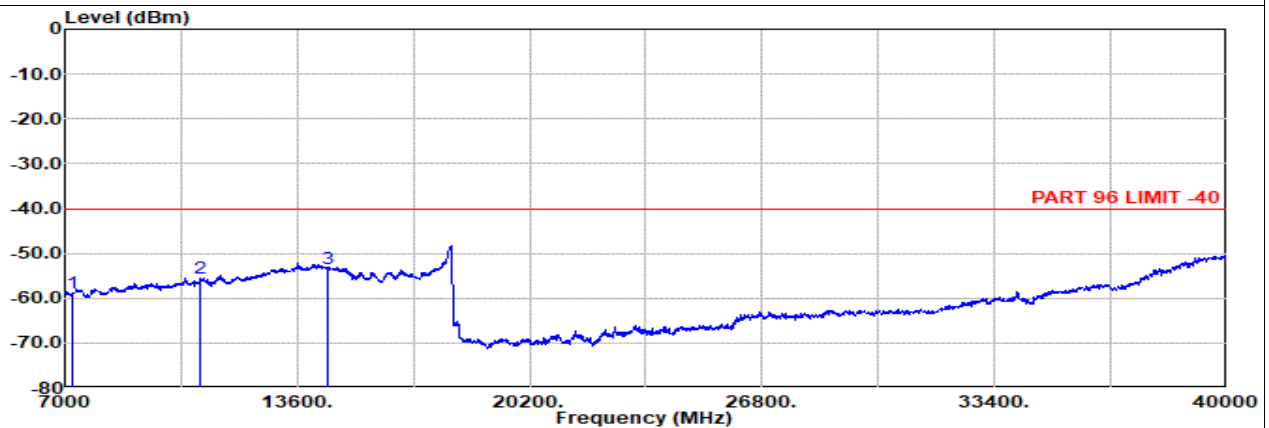


Site : 03CH12-HY

Condition: PART 96 LIMIT -40 3m 9120D-02114-240711 Horizontal

: LTE Band 48 20M Ch55990 1RB0 QPSK

|   | Freq Level |        | Detector | Ant Amp\Cb Filter |        | EIRPCF | Readin g | Limit |        | Margin | Pol        |
|---|------------|--------|----------|-------------------|--------|--------|----------|-------|--------|--------|------------|
|   | MHz        | dBm    |          | Factor            | 1      |        |          | dBuV  | dBm    |        |            |
| 1 | 7232.00    | -58.79 | RMS      | 37.13             | -53.49 | 0.88   | -95.23   | 51.92 | -40.00 | -18.79 | Horizontal |
| 2 | 10848.00   | -55.99 | RMS      | 39.20             | -51.78 | 0.27   | -95.23   | 51.55 | -40.00 | -15.99 | Horizontal |
| 3 | 14464.00   | -53.07 | RMS      | 40.63             | -47.57 | 0.44   | -95.23   | 48.66 | -40.00 | -13.07 | Horizontal |



Site : 03CH12-HY

Condition: PART 96 LIMIT -40 3m 9120D-02114-240711 Vertical

: LTE Band 48 20M Ch55990 1RB0 QPSK

|   | Freq Level |        | Detector | Ant Amp\Cb Filter |        | EIRPCF | Readin g | Limit |        | Margin | Pol      |
|---|------------|--------|----------|-------------------|--------|--------|----------|-------|--------|--------|----------|
|   | MHz        | dBm    |          | Factor            | 1      |        |          | dBuV  | dBm    |        |          |
| 1 | 7232.00    | -58.85 | RMS      | 37.13             | -53.49 | 0.88   | -95.23   | 51.86 | -40.00 | -18.85 | Vertical |
| 2 | 10848.00   | -55.53 | RMS      | 39.20             | -51.78 | 0.27   | -95.23   | 52.01 | -40.00 | -15.53 | Vertical |
| 3 | 14464.00   | -53.42 | RMS      | 40.63             | -47.57 | 0.44   | -95.23   | 48.31 | -40.00 | -13.42 | Vertical |

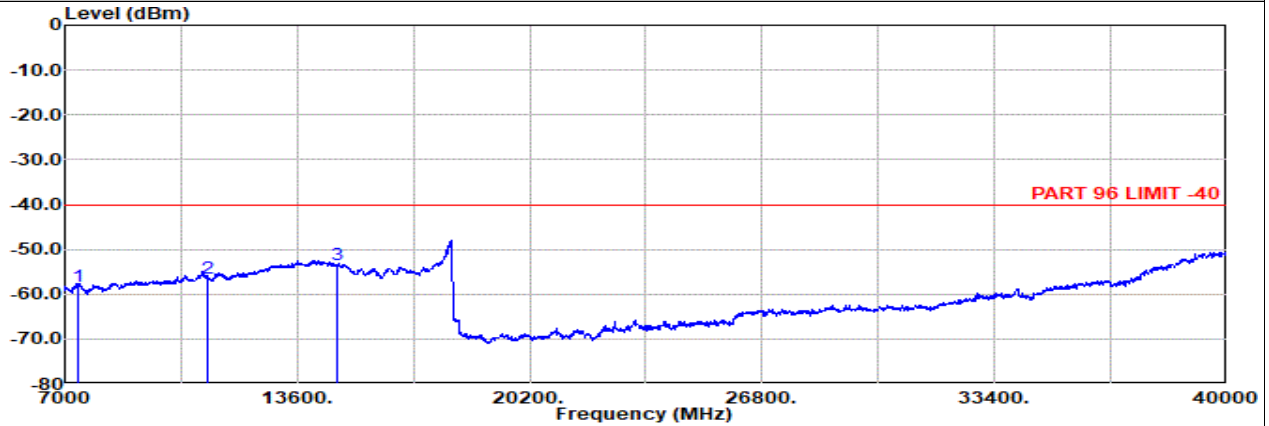


Ant. 1

## Part 96 Mode 2

LTE B48 20M Ch56640 1RB0 QPSK

H

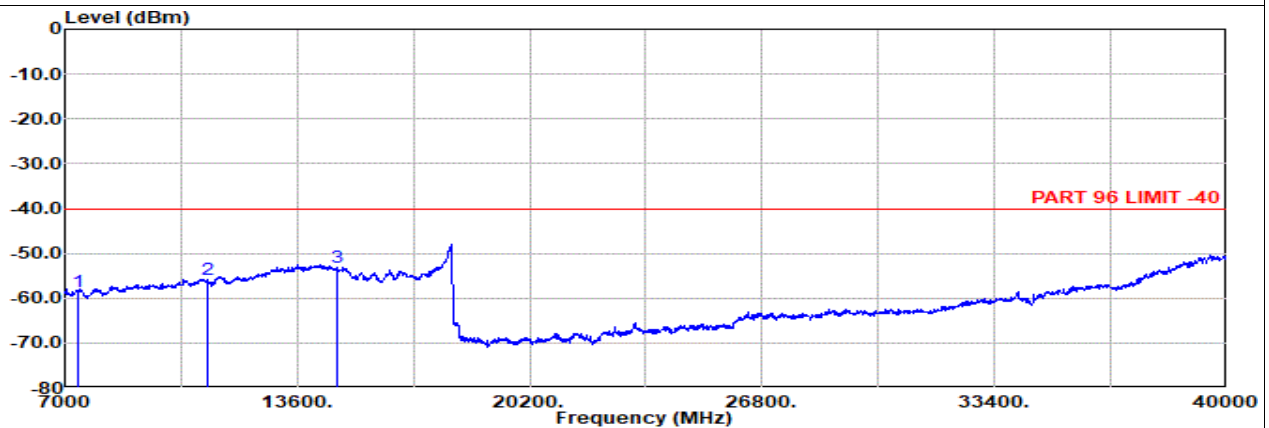


Site : 03CH12-HY

Condition: PART 96 LIMIT -40 3m 9120D-02114-240711 Horizontal

: LTE Band 48 20M Ch56640 1RB0 QPSK

|   | Freq     | Level  | Detector | Ant Amp\Cb Filter |        | EIRPCF | Readin | Limit | Margin | Pol    |
|---|----------|--------|----------|-------------------|--------|--------|--------|-------|--------|--------|
|   |          |        |          | Factor            | 1      |        |        |       |        |        |
|   | MHz      | dBm    |          | dB/m              | dB     | dB     | dB     | dBuV  | dBm    | dB     |
| 1 | 7362.00  | -58.23 | RMS      | 36.83             | -53.44 | 0.83   | -95.23 | 52.78 | -40.00 | -18.23 |
| 2 | 11043.00 | -56.51 | RMS      | 38.90             | -51.54 | 0.28   | -95.23 | 51.08 | -40.00 | -16.51 |
| 3 | 14724.00 | -53.37 | RMS      | 40.65             | -47.96 | 0.42   | -95.23 | 48.75 | -40.00 | -13.37 |



Site : 03CH12-HY

Condition: PART 96 LIMIT -40 3m 9120D-02114-240711 Vertical

: LTE Band 48 20M Ch56640 1RB0 QPSK

|   | Freq     | Level  | Detector | Ant Amp\Cb Filter |        | EIRPCF | Readin | Limit | Margin | Pol    |
|---|----------|--------|----------|-------------------|--------|--------|--------|-------|--------|--------|
|   |          |        |          | Factor            | 1      |        |        |       |        |        |
|   | MHz      | dBm    |          | dB/m              | dB     | dB     | dB     | dBuV  | dBm    | dB     |
| 1 | 7362.00  | -58.49 | RMS      | 36.83             | -53.44 | 0.83   | -95.23 | 52.52 | -40.00 | -18.49 |
| 2 | 11043.00 | -55.85 | RMS      | 38.90             | -51.54 | 0.28   | -95.23 | 51.74 | -40.00 | -15.85 |
| 3 | 14724.00 | -53.19 | RMS      | 40.65             | -47.96 | 0.42   | -95.23 | 48.93 | -40.00 | -13.19 |

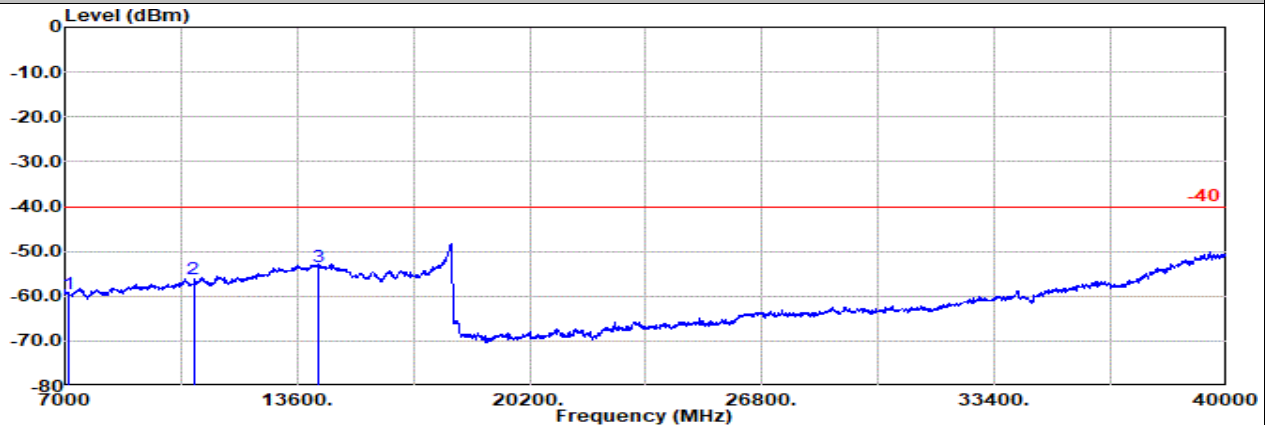


Ant. 2

## Part 96 Mode 3

LTE B48 20M Ch55340 1RB0 QPSK

L

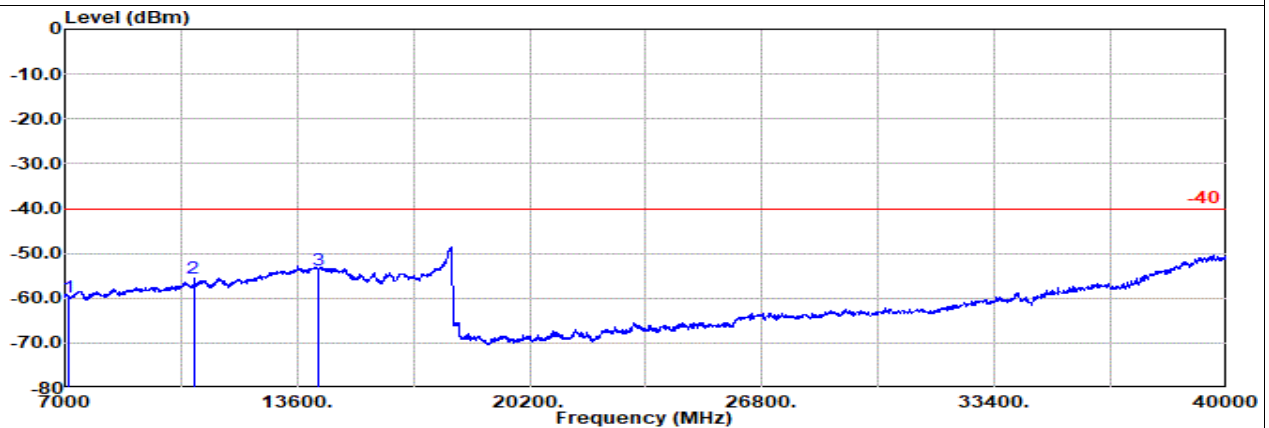


Site : 03CH12-HY

Condition: -40 3m 9120D-02114-240711 Horizontal

Mode : 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     | dBuV     | dBm   | dB     |        |            |
| 1 | 7102.00  | -59.51 | RMS      |            | 36.61  | -53.58 | 0.90   | -95.23   | 51.79 | -40.00 | -19.51 | Horizontal |
| 2 | 10653.00 | -56.05 | RMS      |            | 39.20  | -51.99 | 0.26   | -95.23   | 51.71 | -40.00 | -16.05 | Horizontal |
| 3 | 14204.00 | -53.32 | RMS      |            | 40.99  | -48.02 | 0.45   | -95.23   | 48.49 | -40.00 | -13.32 | Horizontal |



Site : 03CH12-HY

Condition: -40 3m 9120D-02114-240711 Vertical

Mode : LTE B48 20M Ch55340 1RB0 QPSK

|   | Freq     | Level  | Detector | Ant<br>Factor | Amp\Cb<br>l | Filter | EIRPCF | Readin<br>g | Limit  | Margin | Pol      |
|---|----------|--------|----------|---------------|-------------|--------|--------|-------------|--------|--------|----------|
|   | MHz      | dBm    |          | dB/m          | dB          | dB     | dB     | dBuV        | dBm    | dB     |          |
| 1 | 7102.00  | -59.69 | RMS      | 36.61         | -53.58      | 0.90   | -95.23 | 51.61       | -40.00 | -19.69 | Vertical |
| 2 | 10653.00 | -55.41 | RMS      | 39.20         | -51.99      | 0.26   | -95.23 | 52.35       | -40.00 | -15.41 | Vertical |
| 3 | 14204.00 | -53.60 | RMS      | 40.99         | -48.02      | 0.45   | -95.23 | 48.21       | -40.00 | -13.60 | Vertical |

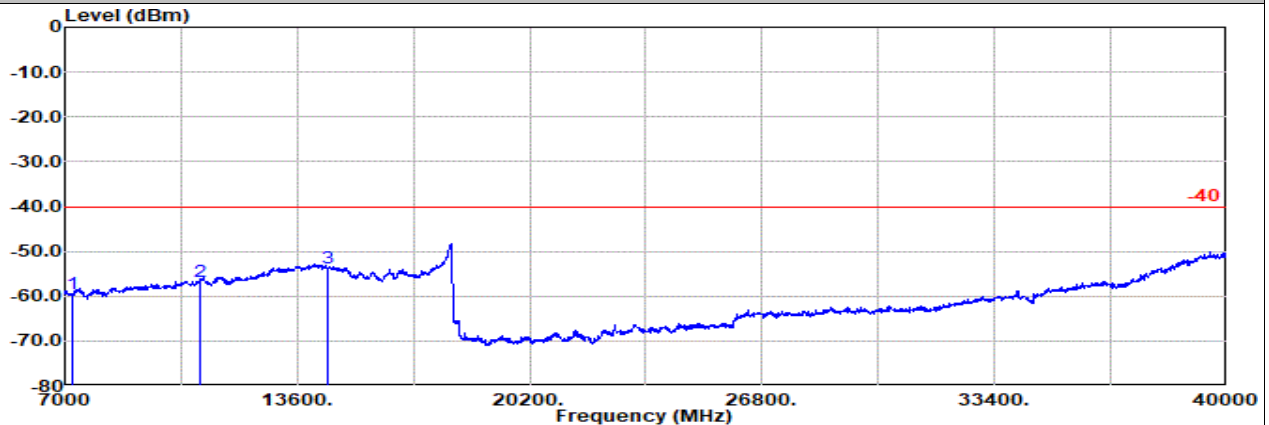


Ant. 2

## Part 96 Mode 3

LTE B48 20M Ch55990 1RB0 QPSK

M

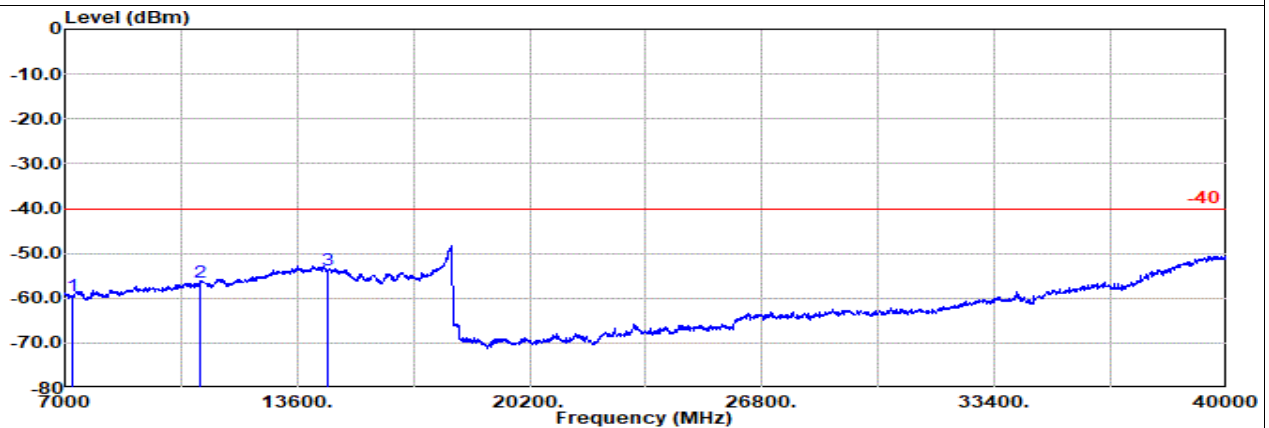


Site : 03CH12-HY

Condition: -40 3m 9120D-02114-240711 Horizontal

Mode : LTE B48 20M Ch55990 1RB0 QPSK

|   | Freq<br>MHz | Level<br>dBm | Detector | Ant Amp\Cb |        | Filter | EIRPCF | Readin<br>g | Limit  | Margin | Pol        |
|---|-------------|--------------|----------|------------|--------|--------|--------|-------------|--------|--------|------------|
|   |             |              |          | Factor     | 1      |        |        |             |        |        |            |
|   |             |              |          |            |        |        |        |             |        |        |            |
| 1 | 7232.00     | -59.41       | RMS      | 37.13      | -53.49 | 0.88   | -95.23 | 51.30       | -40.00 | -19.41 | Horizontal |
| 2 | 10848.00    | -56.60       | RMS      | 39.20      | -51.78 | 0.27   | -95.23 | 50.94       | -40.00 | -16.60 | Horizontal |
| 3 | 14464.00    | -53.78       | RMS      | 40.63      | -47.57 | 0.44   | -95.23 | 47.95       | -40.00 | -13.78 | Horizontal |



Site : 03CH12-HY

Condition: -40 3m 9120D-02114-240711 Vertical

Mode : LTE B48 20M Ch55990 1RB0 QPSK

|   | Freq<br>MHz | Level<br>dBm | Detector | Ant Amp\Cb |        | Filter | EIRPCF | Readin<br>g | Limit  | Margin | Pol      |
|---|-------------|--------------|----------|------------|--------|--------|--------|-------------|--------|--------|----------|
|   |             |              |          | Factor     | 1      |        |        |             |        |        |          |
|   |             |              |          |            |        |        |        |             |        |        |          |
| 1 | 7232.00     | -59.57       | RMS      | 37.13      | -53.49 | 0.88   | -95.23 | 51.14       | -40.00 | -19.57 | Vertical |
| 2 | 10848.00    | -56.50       | RMS      | 39.20      | -51.78 | 0.27   | -95.23 | 51.04       | -40.00 | -16.50 | Vertical |
| 3 | 14464.00    | -53.88       | RMS      | 40.63      | -47.57 | 0.44   | -95.23 | 47.85       | -40.00 | -13.88 | Vertical |

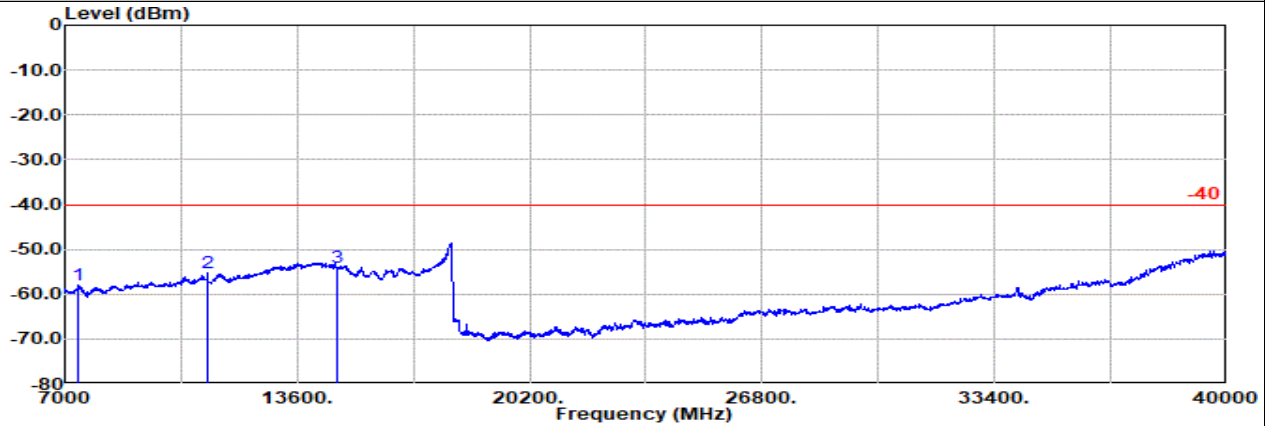


Ant. 2

## Part 96 Mode 3

LTE B48 20M Ch56640 1RB0 QPSK

H

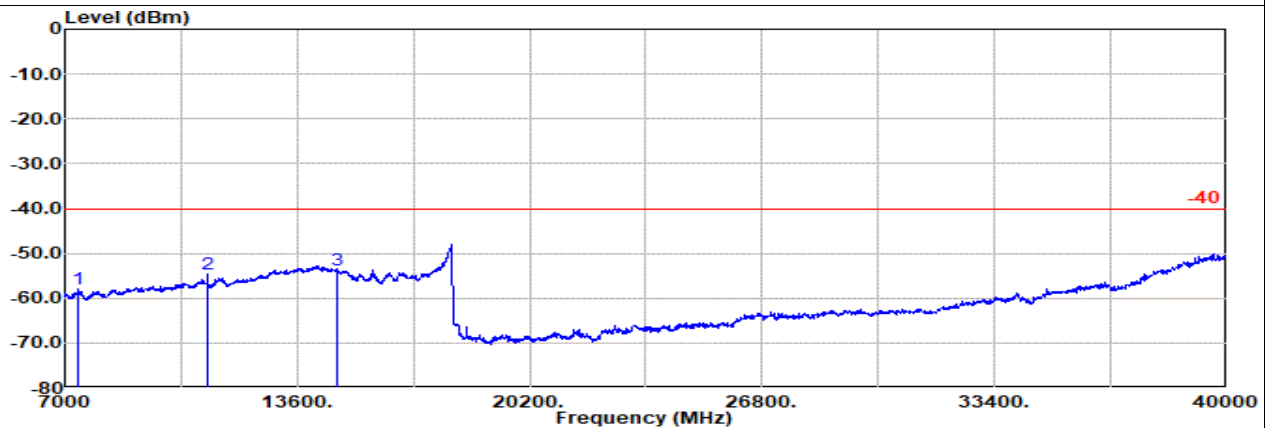


Site : 03CH12-HY

Condition: -40 3m 9120D-02114-240711 Horizontal

Mode : LTE B48 20M Ch56640 1RB0 QPSK

|   | Freq     | Level  | Detector | Ant Factor | Ant Amp\Cb | Filter | EIRPCF | Reading | Limit | Margin | Pol        |
|---|----------|--------|----------|------------|------------|--------|--------|---------|-------|--------|------------|
|   | MHz      | dBm    |          |            | dB/m       | dB     | dB     | dBuV    | dBm   | dB     |            |
| 1 | 7362.00  | -58.02 | RMS      |            | 36.83      | -53.44 | 0.83   | -95.23  | 52.99 | -40.00 | Horizontal |
| 2 | 11043.00 | -55.13 | RMS      |            | 38.90      | -51.54 | 0.28   | -95.23  | 52.46 | -40.00 | Horizontal |
| 3 | 14724.00 | -54.13 | RMS      |            | 40.65      | -47.96 | 0.42   | -95.23  | 47.99 | -40.00 | Horizontal |



Site : 03CH12-HY

Condition: -40 3m 9120D-02114-240711 Vertical

Mode : LTE B48 20M Ch56640 1RB0 QPSK

|   | Freq     | Level  | Detector | Ant Factor | Amp\Cb<br>l | Filter | EIRPCF | Reading | Limit  | Margin | Pol      |
|---|----------|--------|----------|------------|-------------|--------|--------|---------|--------|--------|----------|
|   | MHz      | dBm    |          | dB/m       | dB          | dB     | dB     | dBuV    | dBm    | dB     |          |
| 1 | 7362.00  | -58.03 | RMS      | 36.83      | -53.44      | 0.83   | -95.23 | 52.98   | -40.00 | -18.03 | Vertical |
| 2 | 11043.00 | -54.56 | RMS      | 38.90      | -51.54      | 0.28   | -95.23 | 53.03   | -40.00 | -14.56 | Vertical |
| 3 | 14724.00 | -53.64 | RMS      | 40.65      | -47.96      | 0.42   | -95.23 | 48.48   | -40.00 | -13.64 | Vertical |

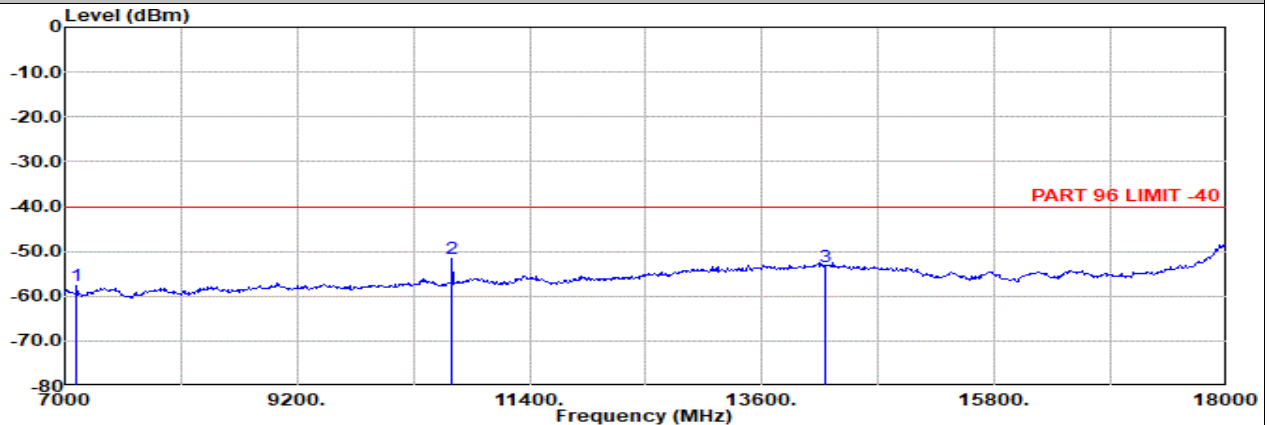


Ant. 5

## Part 96 Mode 4

LTE B48 20M Ch55340 1RB0 QPSK

L

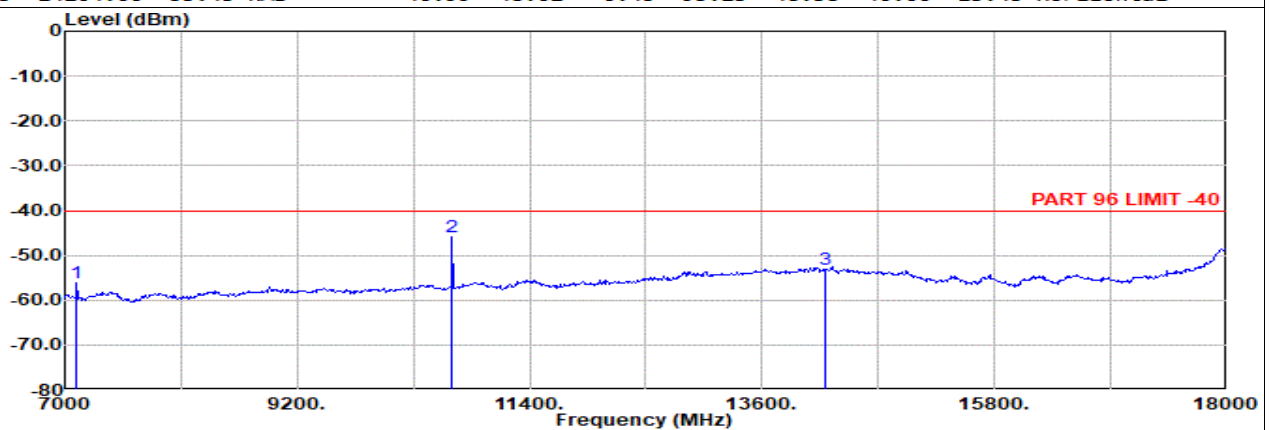


Site : 03CH12-HY

Condition: PART 96 LIMIT -40 3m 9120D-02114-240711 Horizontal

: LTE Band 48 20M Ch55340 1RB0 QPSK

|   | Freq Level |        | Detector | Ant Amp\Cb Filter |        | EIRPCF | Readin g | Limit |        | Margin | Pol        |
|---|------------|--------|----------|-------------------|--------|--------|----------|-------|--------|--------|------------|
|   | MHz        | dBm    |          | Factor            | 1      |        |          | dBuV  | dBm    |        |            |
| 1 | 7102.00    | -57.80 | RMS      | 36.61             | -53.58 | 0.90   | -95.23   | 53.50 | -40.00 | -17.80 | Horizontal |
| 2 | 10653.00   | -51.75 | RMS      | 39.20             | -51.99 | 0.26   | -95.23   | 56.01 | -40.00 | -11.75 | Horizontal |
| 3 | 14204.00   | -53.43 | RMS      | 40.99             | -48.02 | 0.45   | -95.23   | 48.38 | -40.00 | -13.43 | Horizontal |



Site : 03CH12-HY

Condition: PART 96 LIMIT -40 3m 9120D-02114-240711 Vertical

: LTE Band 48 20M Ch55340 1RB0 QPSK

|   | Freq Level |        | Detector | Ant Amp\Cb Filter |        | EIRPCF | Readin g | Limit |        | Margin | Pol      |
|---|------------|--------|----------|-------------------|--------|--------|----------|-------|--------|--------|----------|
|   | MHz        | dBm    |          | Factor            | 1      |        |          | dBuV  | dBm    |        |          |
| 1 | 7102.00    | -56.11 | RMS      | 36.61             | -53.58 | 0.90   | -95.23   | 55.19 | -40.00 | -16.11 | Vertical |
| 2 | 10653.00   | -45.77 | RMS      | 39.20             | -51.99 | 0.26   | -95.23   | 61.99 | -40.00 | -5.77  | Vertical |
| 3 | 14204.00   | -53.20 | RMS      | 40.99             | -48.02 | 0.45   | -95.23   | 48.61 | -40.00 | -13.20 | Vertical |



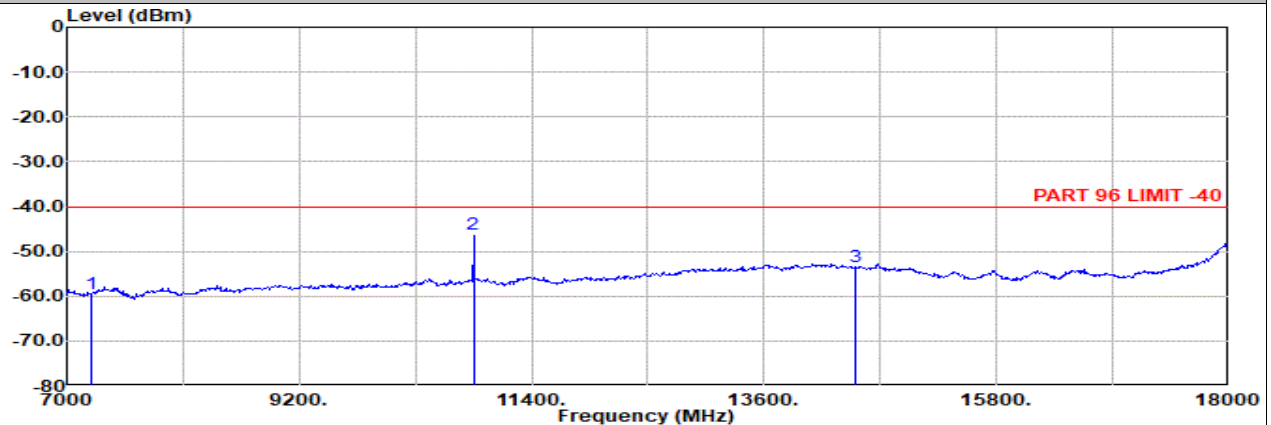


Ant. 5

## Part 96 Mode 4

LTE B48 20M Ch55990 1RB0 QPSK

M

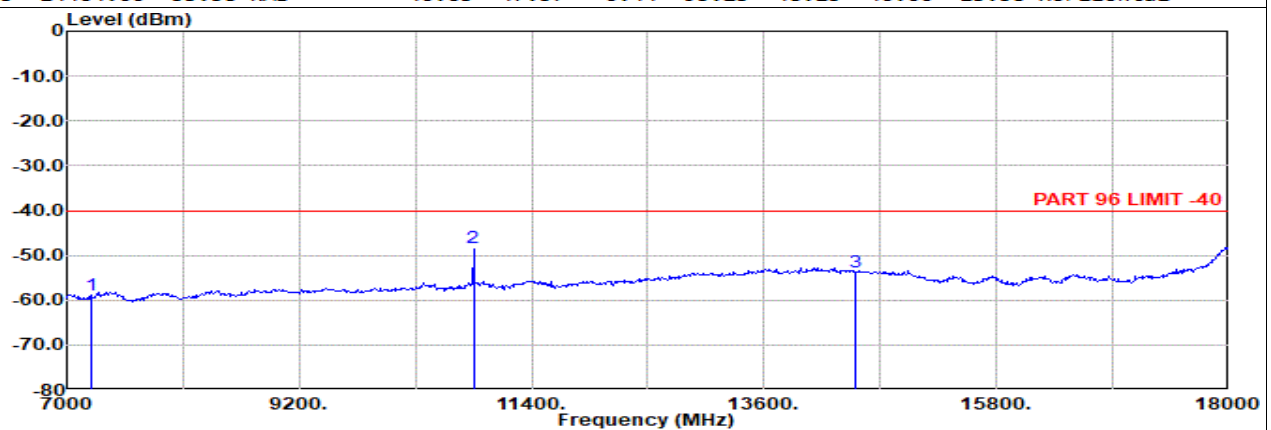


Site : 03CH12-HY

Condition: PART 96 LIMIT -40 3m 9120D-02114-240711 Horizontal

: LTE Band 48 20M Ch55990 1RB0 QPSK

|   | Freq Level |        | Detector | Ant Amp\Cb Filter |        | EIRPCF | Readin | Limit | Margin Pol |                   |
|---|------------|--------|----------|-------------------|--------|--------|--------|-------|------------|-------------------|
|   | MHz        | dBm    |          | Factor            | 1      |        | g      |       |            |                   |
| 1 | 7232.00    | -59.42 | RMS      | 37.13             | -53.49 | 0.88   | -95.23 | 51.29 | -40.00     | -19.42 Horizontal |
| 2 | 10848.00   | -46.20 | RMS      | 39.20             | -51.78 | 0.27   | -95.23 | 61.34 | -40.00     | -6.20 Horizontal  |
| 3 | 14464.00   | -53.58 | RMS      | 40.63             | -47.57 | 0.44   | -95.23 | 48.15 | -40.00     | -13.58 Horizontal |



Site : 03CH12-HY

Condition: PART 96 LIMIT -40 3m 9120D-02114-240711 Vertical

: LTE Band 48 20M Ch55990 1RB0 QPSK

|   | Freq Level |        | Detector | Ant Amp\Cb Filter |        | EIRPCF | Readin | Limit | Margin Pol |                 |
|---|------------|--------|----------|-------------------|--------|--------|--------|-------|------------|-----------------|
|   | MHz        | dBm    |          | Factor            | 1      |        | g      |       |            |                 |
| 1 | 7232.00    | -58.95 | RMS      | 37.13             | -53.49 | 0.88   | -95.23 | 51.76 | -40.00     | -18.95 Vertical |
| 2 | 10848.00   | -48.30 | RMS      | 39.20             | -51.78 | 0.27   | -95.23 | 59.24 | -40.00     | -8.30 Vertical  |
| 3 | 14464.00   | -53.81 | RMS      | 40.63             | -47.57 | 0.44   | -95.23 | 47.92 | -40.00     | -13.81 Vertical |



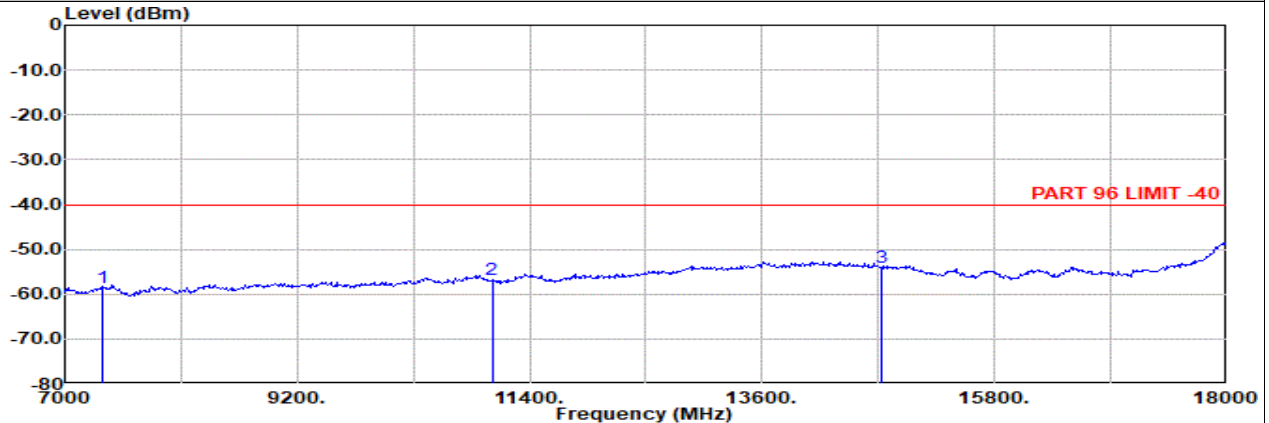


Ant. 5

## Part 96 Mode 4

LTE B48 20M Ch56640 1RB0 QPSK

H

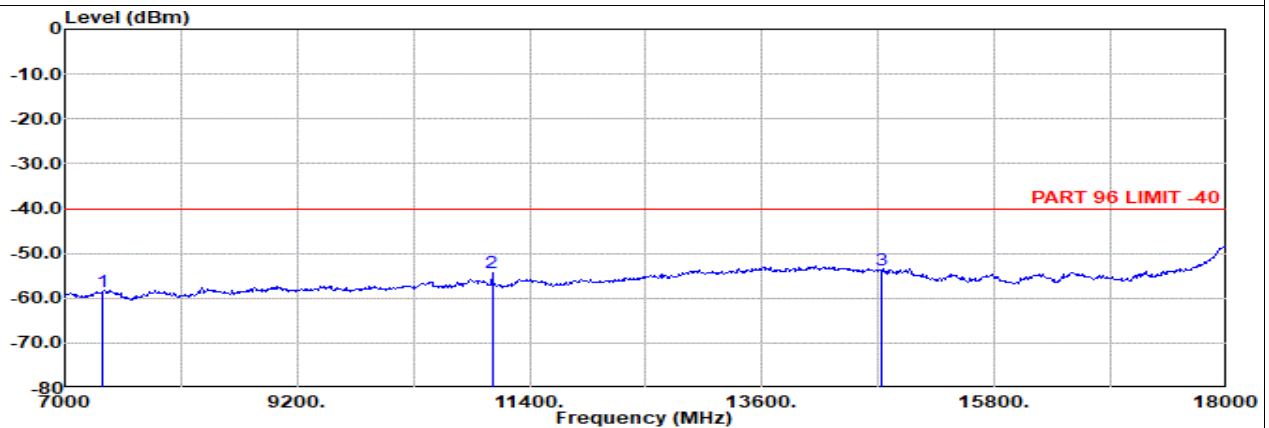


Site : 03CH12-HY

Condition: PART 96 LIMIT -40 3m 9120D-02114-240711 Horizontal

: LTE Band 48 20M Ch56640 1RB0 QPSK

|   | Freq Level |        | Detector | Ant Amp\Cb Filter |        | EIRPCF |        | Readin Limit |        | Margin Pol |            |
|---|------------|--------|----------|-------------------|--------|--------|--------|--------------|--------|------------|------------|
|   | MHz        | dBm    |          | Factor            | 1      | dB     | dB     | dBuV         | dBm    | dB         |            |
| 1 | 7362.00    | -58.46 | RMS      | 36.83             | -53.44 | 0.83   | -95.23 | 52.55        | -40.00 | -18.46     | Horizontal |
| 2 | 11043.00   | -56.63 | RMS      | 38.90             | -51.54 | 0.28   | -95.23 | 50.96        | -40.00 | -16.63     | Horizontal |
| 3 | 14724.00   | -54.10 | RMS      | 40.65             | -47.96 | 0.42   | -95.23 | 48.02        | -40.00 | -14.10     | Horizontal |



Site : 03CH12-HY

Condition: PART 96 LIMIT -40 3m 9120D-02114-240711 Vertical

: LTE Band 48 20M Ch56640 1RB0 QPSK

|   | Freq Level |        | Detector | Ant Amp\Cb Filter |        | EIRPCF |        | Readin Limit |        | Margin Pol |          |
|---|------------|--------|----------|-------------------|--------|--------|--------|--------------|--------|------------|----------|
|   | MHz        | dBm    |          | Factor            | 1      | dB     | dB     | dBuV         | dBm    | dB         |          |
| 1 | 7362.00    | -58.46 | RMS      | 36.83             | -53.44 | 0.83   | -95.23 | 52.55        | -40.00 | -18.46     | Vertical |
| 2 | 11043.00   | -54.33 | RMS      | 38.90             | -51.54 | 0.28   | -95.23 | 53.26        | -40.00 | -14.33     | Vertical |
| 3 | 14724.00   | -53.75 | RMS      | 40.65             | -47.96 | 0.42   | -95.23 | 48.37        | -40.00 | -13.75     | Vertical |

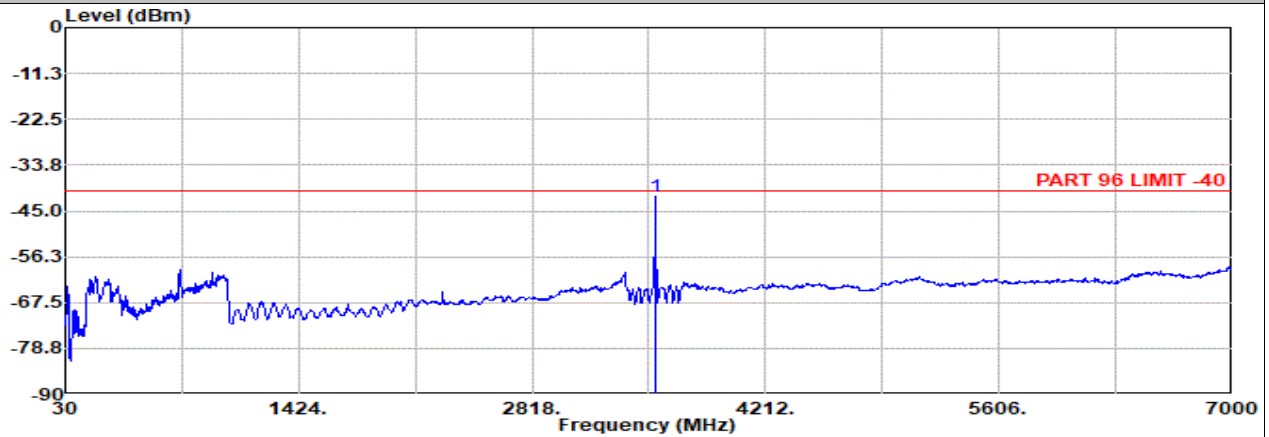


Ant. 5

## Part 96 Mode 4

LTE B48 20M Ch55340 1RB0 QPSK

L



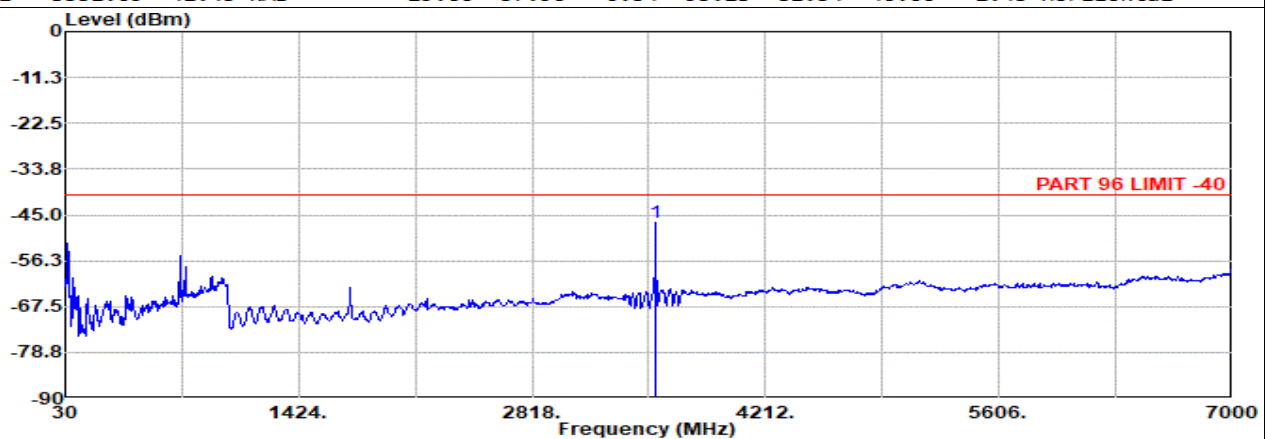
Site : 03CH12-HY

Condition: PART 96 LIMIT -40 3m 9120D-02114-240711 Horizontal

: LTE Band 48 20M Ch55340 1RB0 QPSK

: #1 is fundamental signal which can be ignored.

|   | Freq    | Level  | Detector | Ant Amp\Cb |        | Filter | EIRPCF | Readin | Limit  | Margin | Pol        |
|---|---------|--------|----------|------------|--------|--------|--------|--------|--------|--------|------------|
|   |         |        |          | Factor     | 1      |        |        |        |        |        |            |
|   | MHz     | dBm    |          | dB/m       | dB     | dB     | dB     | dBuV   | dBm    | dB     |            |
| 1 | 3551.09 | -41.45 | RMS      | 29.60      | -57.90 | 0.54   | -95.23 | 81.54  | -40.00 | -1.45  | Horizontal |



Site : 03CH12-HY

Condition: PART 96 LIMIT -40 3m 9120D-02114-240711 Vertical

: LTE Band 48 20M Ch55340 1RB0 QPSK

: #1 is fundamental signal which can be ignored.

|   | Freq    | Level  | Detector | Ant Amp\Cb |        | Filter | EIRPCF | Readin | Limit  | Margin | Pol      |
|---|---------|--------|----------|------------|--------|--------|--------|--------|--------|--------|----------|
|   |         |        |          | Factor     | 1      |        |        |        |        |        |          |
|   | MHz     | dBm    |          | dB/m       | dB     | dB     | dB     | dBuV   | dBm    | dB     |          |
| 1 | 3551.09 | -46.74 | RMS      | 29.60      | -57.90 | 0.54   | -95.23 | 76.25  | -40.00 | -6.74  | Vertical |

—THE END—