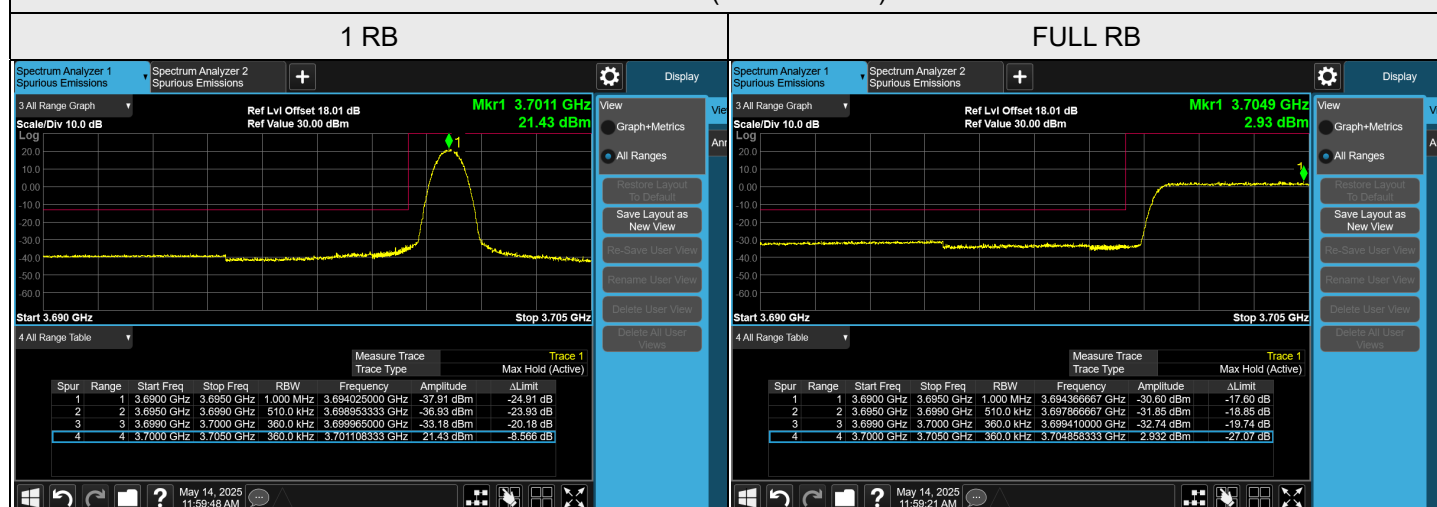
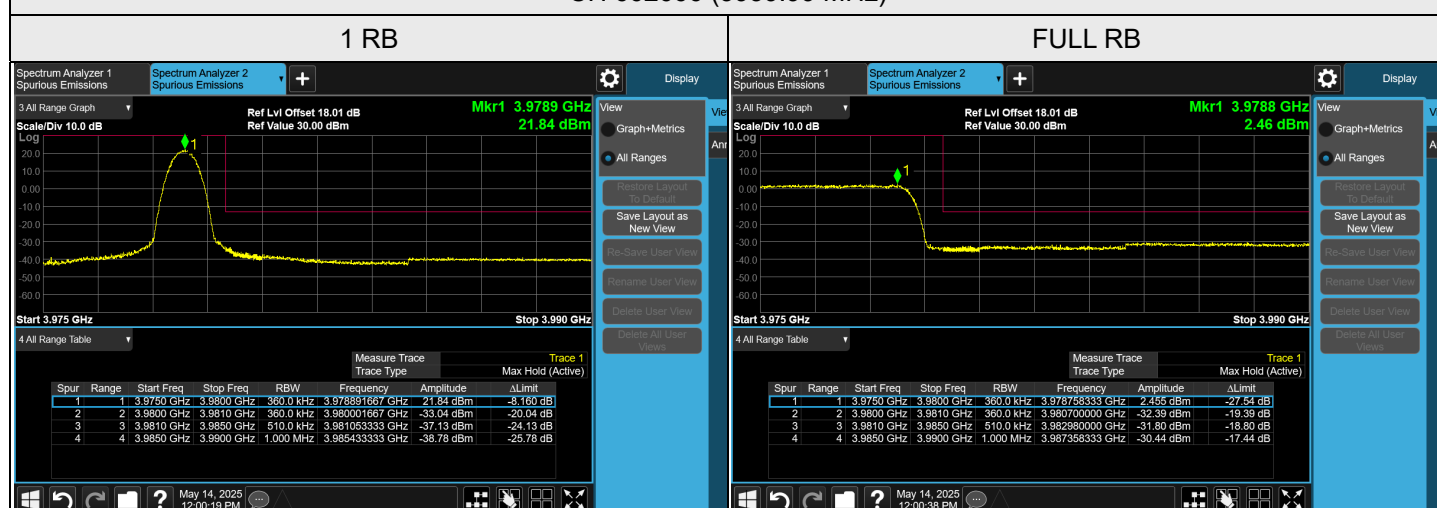


# NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), MIMO-Ant 2, Channel Bandwidth: 80 MHz

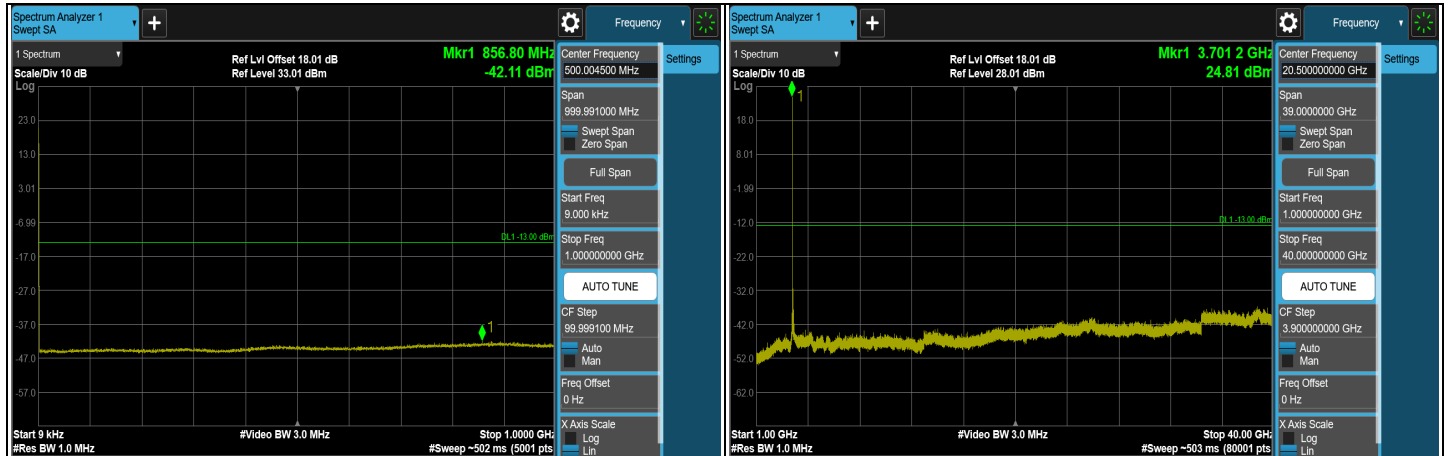
CH 649334 (3740.01 MHz)



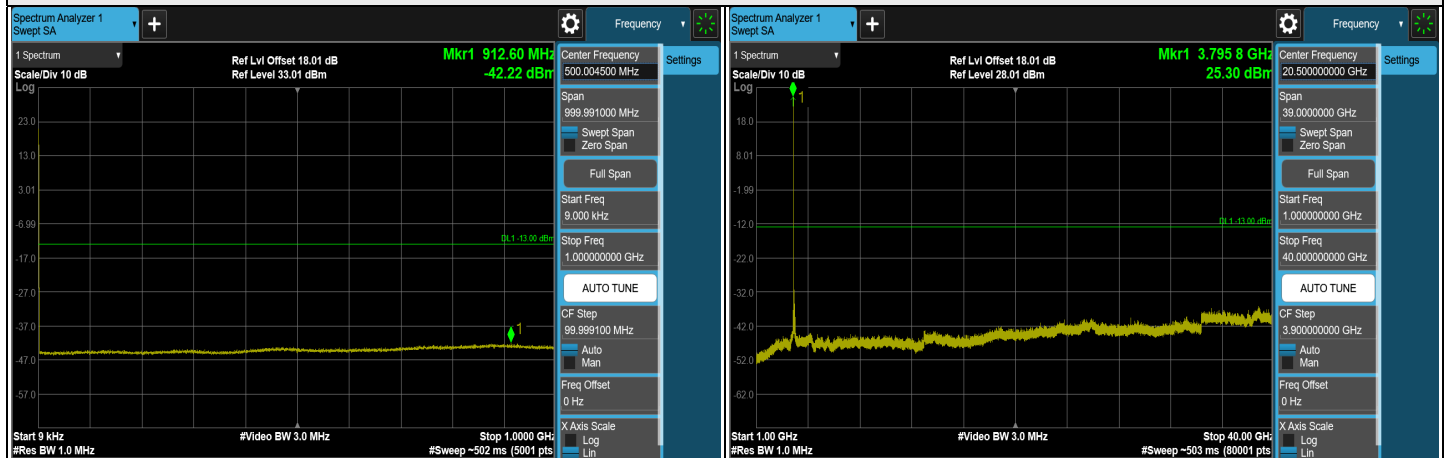
CH 662666 (3939.99 MHz)



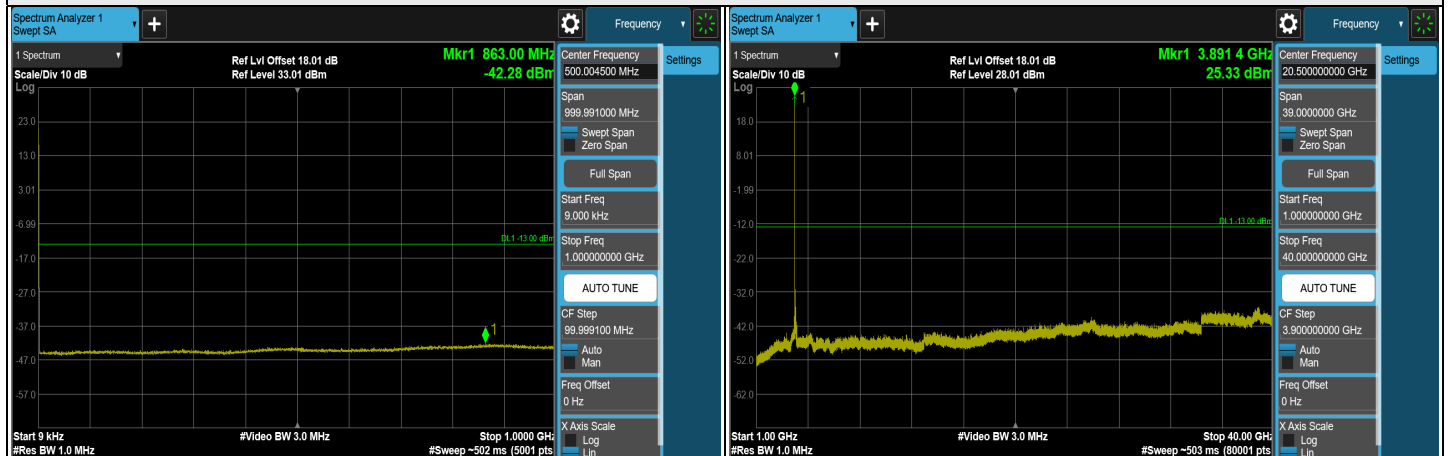
NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), MIMO-Ant 2, Channel Bandwidth: 90 MHz



BPSKCH 649668 (3745.02 MHz)



BPSKCH 656000 (3840 MHz)

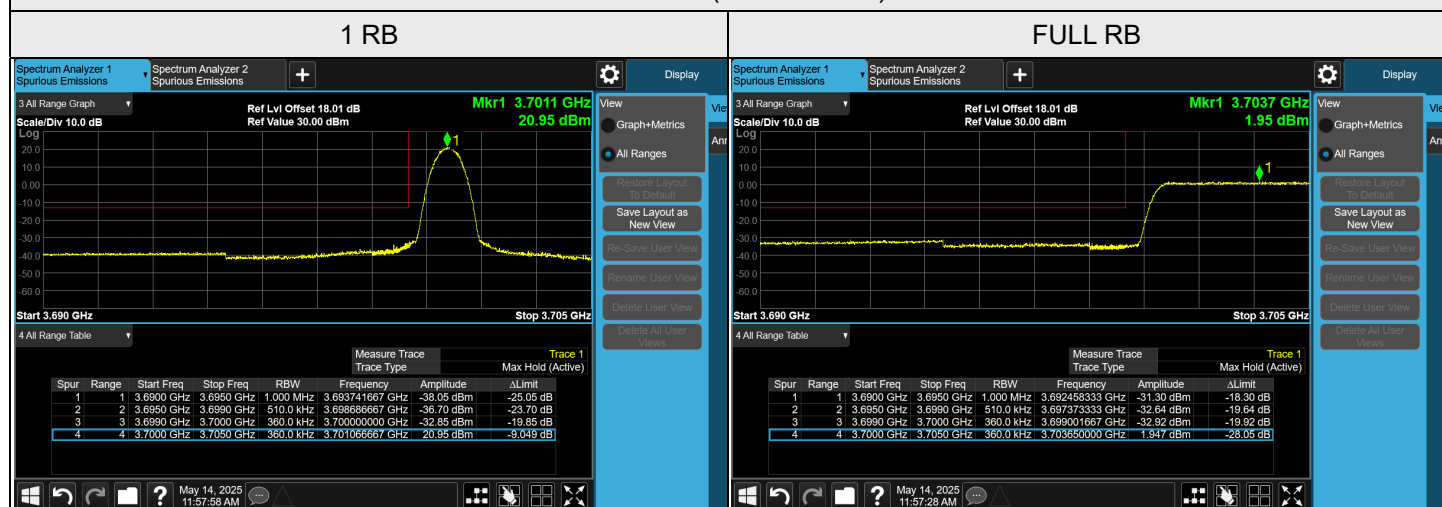


BPSKCH 662332 (3934.98 MHz)

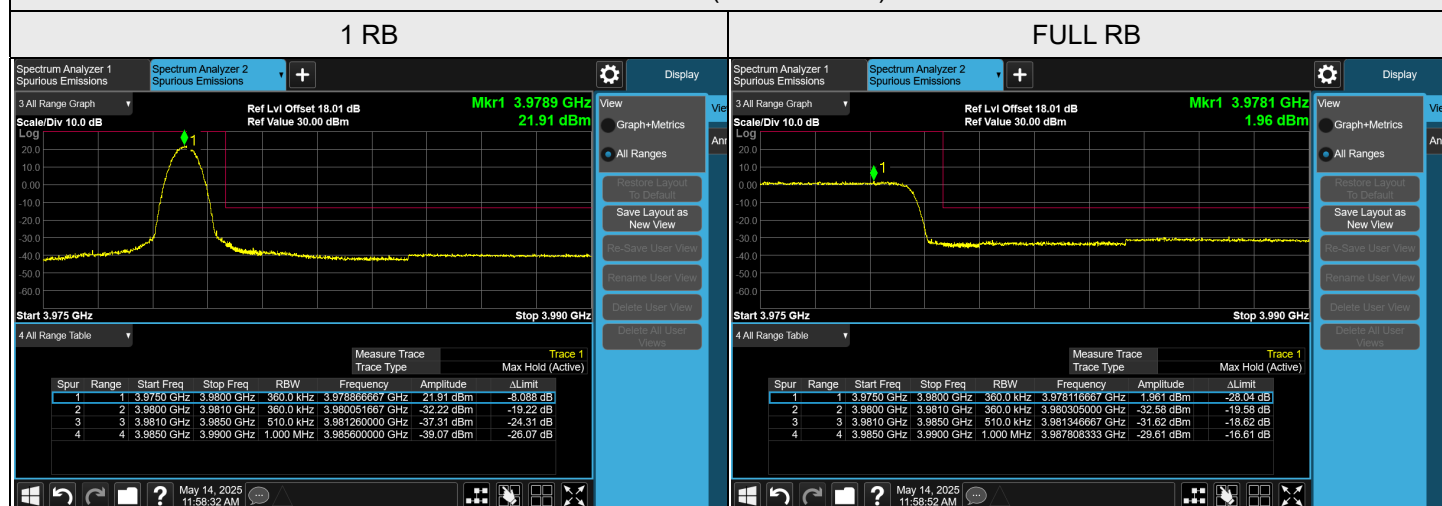
Note: The signal at 9 kHz is IF signal from spectrum analyzer.

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), MIMO-Ant 2, Channel Bandwidth: 90 MHz

CH 649668 (3745.02 MHz)



CH 662332 (3934.98 MHz)



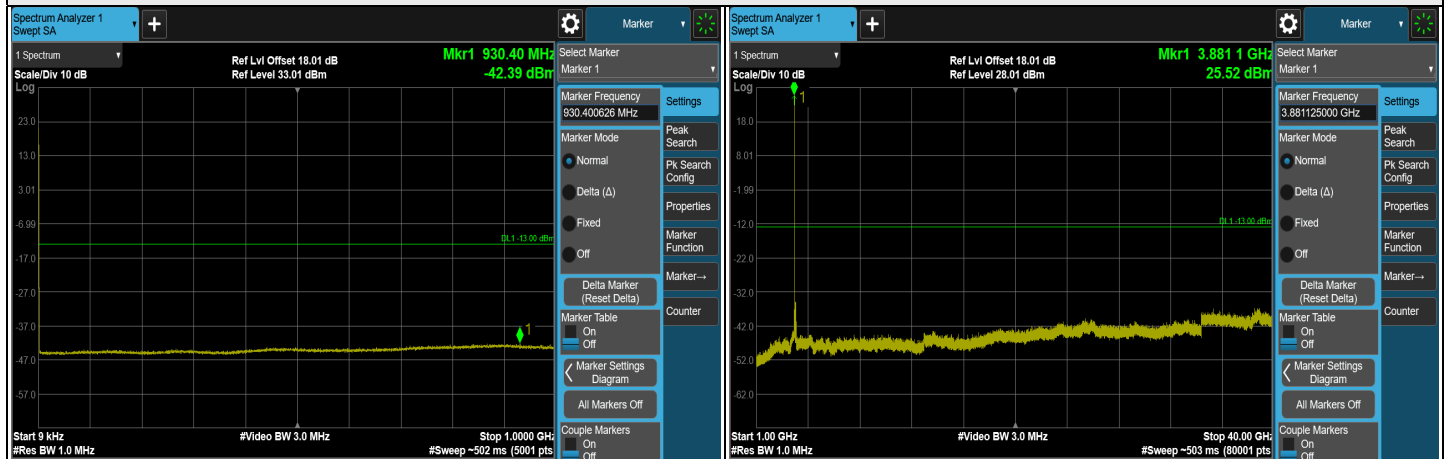
# NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), MIMO-Ant 2, Channel Bandwidth: 100 MHz



## BPSKCH 650000 (3750 MHz)



## BPSKCH 656000 (3840 MHz)

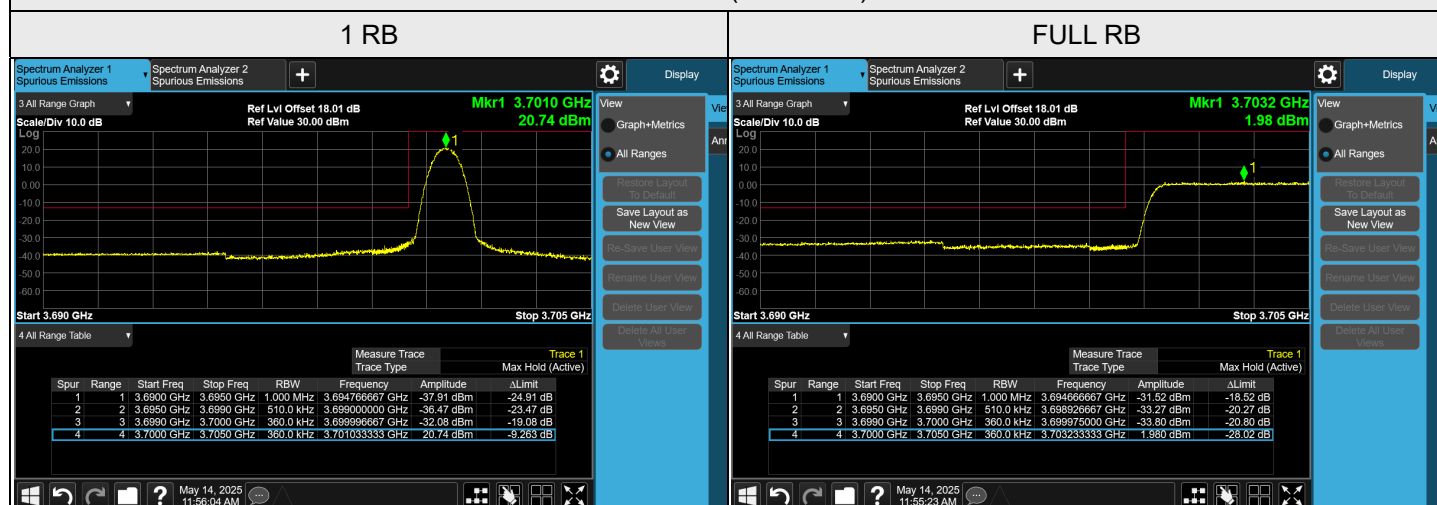


## BPSKCH 662000 (3930 MHz)

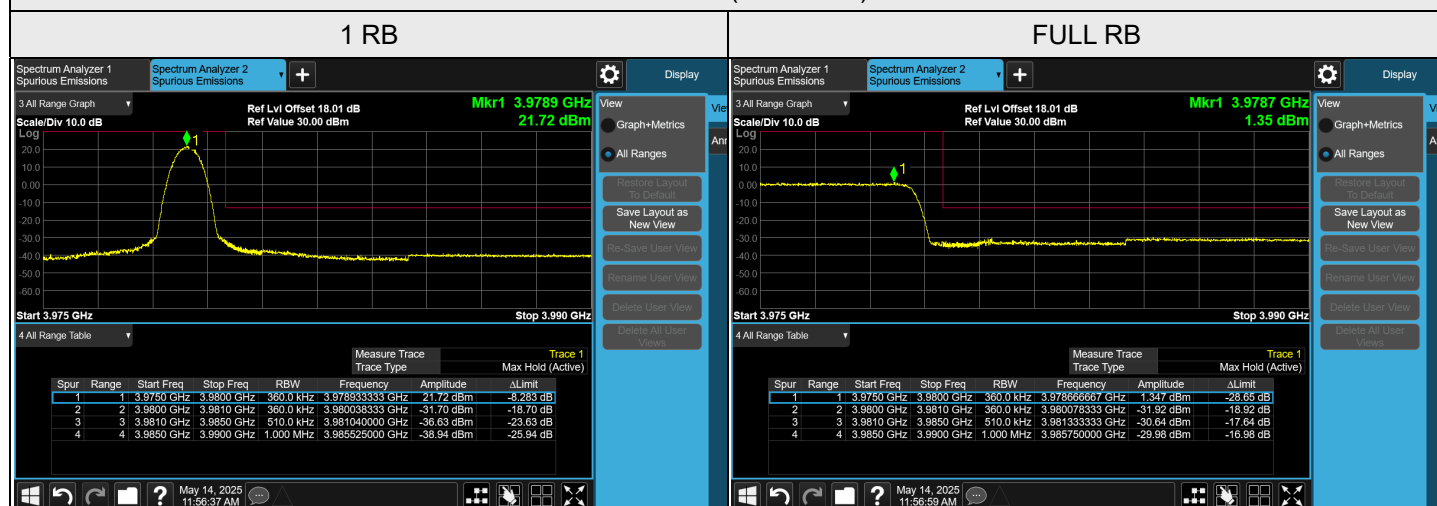
Note: The signal at 9 kHz is IF signal from spectrum analyzer.

# NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), MIMO-Ant 2, Channel Bandwidth: 100 MHz

## CH 650000 (3750 MHz)



## CH 662000 (3930 MHz)



## 7.6 Radiated Spurious Emissions below 1GHz

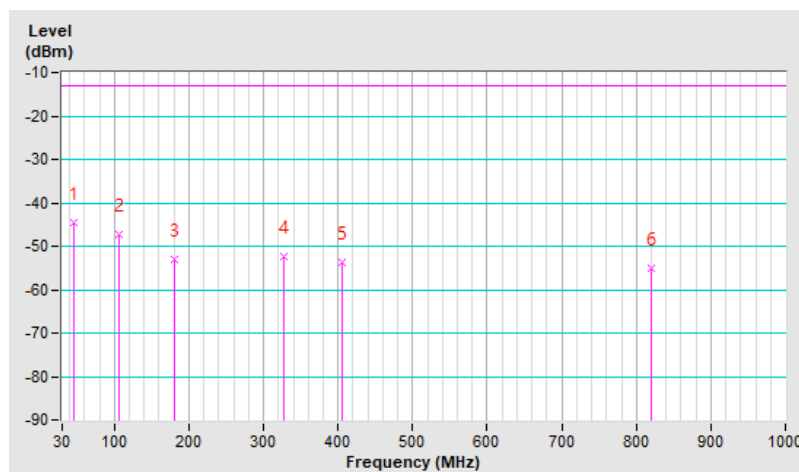
### 7.6.1 NR n25 SCS 15 kHz

|                        |                                   |                                          |                        |
|------------------------|-----------------------------------|------------------------------------------|------------------------|
| <b>RF Mode</b>         | NR n25<br>Channel Bandwidth: 5MHz | <b>Channel</b>                           | CH 382500 : 1912.5 MHz |
| <b>Frequency Range</b> | 30 MHz ~ 1 GHz                    | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)      |
| <b>Input Power</b>     | 120 Vac, 60 Hz                    | <b>Environmental Conditions</b>          | 23 °C, 68 % RH         |
| <b>Tested By</b>       | Edison Lee                        |                                          |                        |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 45.52           | -44.51     | -13.00      | -31.51      | 1.00 H             | 136                  | 63.87            | -108.38                  |
| 2                                                    | 106.63          | -47.34     | -13.00      | -34.34      | 1.25 H             | 246                  | 64.44            | -111.78                  |
| 3                                                    | 181.32          | -53.17     | -13.00      | -40.17      | 1.25 H             | 237                  | 56.91            | -110.08                  |
| 4                                                    | 327.79          | -52.46     | -13.00      | -39.46      | 1.00 H             | 15                   | 54.13            | -106.59                  |
| 5                                                    | 405.39          | -53.69     | -13.00      | -40.69      | 1.50 H             | 131                  | 51.38            | -105.07                  |
| 6                                                    | 819.58          | -55.25     | -13.00      | -42.25      | 1.25 H             | 189                  | 41.96            | -97.21                   |

#### Remarks:

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3.  $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

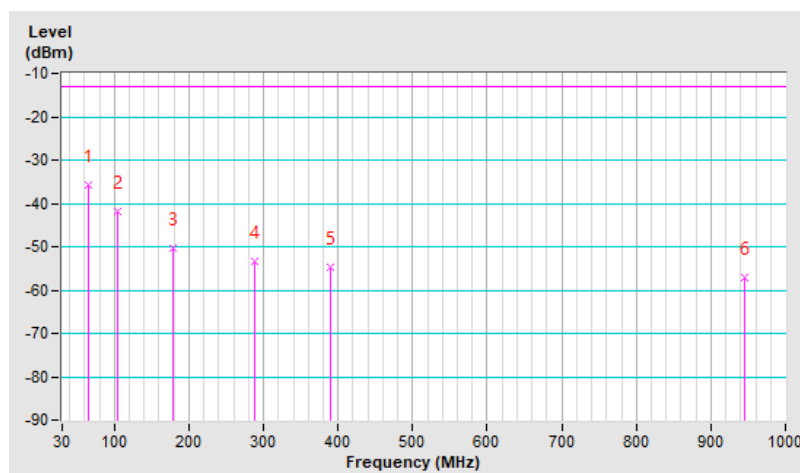


|                        |                                   |                                          |                        |
|------------------------|-----------------------------------|------------------------------------------|------------------------|
| <b>RF Mode</b>         | NR n25<br>Channel Bandwidth: 5MHz | <b>Channel</b>                           | CH 382500 : 1912.5 MHz |
| <b>Frequency Range</b> | 30 MHz ~ 1 GHz                    | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)      |
| <b>Input Power</b>     | 120 Vac, 60 Hz                    | <b>Environmental Conditions</b>          | 23 °C, 68 % RH         |
| <b>Tested By</b>       | Edison Lee                        |                                          |                        |

| Antenna Polarity & Test Distance : Vertical at 3 m |                 |            |             |             |                    |                      |                  |                          |
|----------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                 | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                  | 65.89           | -35.90     | -13.00      | -22.90      | 1.50 V             | 107                  | 74.11            | -110.01                  |
| 2                                                  | 103.72          | -41.90     | -13.00      | -28.90      | 1.25 V             | 303                  | 70.26            | -112.16                  |
| 3                                                  | 178.41          | -50.22     | -13.00      | -37.22      | 1.00 V             | 9                    | 59.41            | -109.63                  |
| 4                                                  | 288.02          | -53.27     | -13.00      | -40.27      | 1.50 V             | 213                  | 54.59            | -107.86                  |
| 5                                                  | 389.87          | -54.86     | -13.00      | -41.86      | 1.00 V             | 326                  | 50.52            | -105.38                  |
| 6                                                  | 944.71          | -57.08     | -13.00      | -44.08      | 1.25 V             | 107                  | 38.19            | -95.27                   |

#### Remarks:

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3.  $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



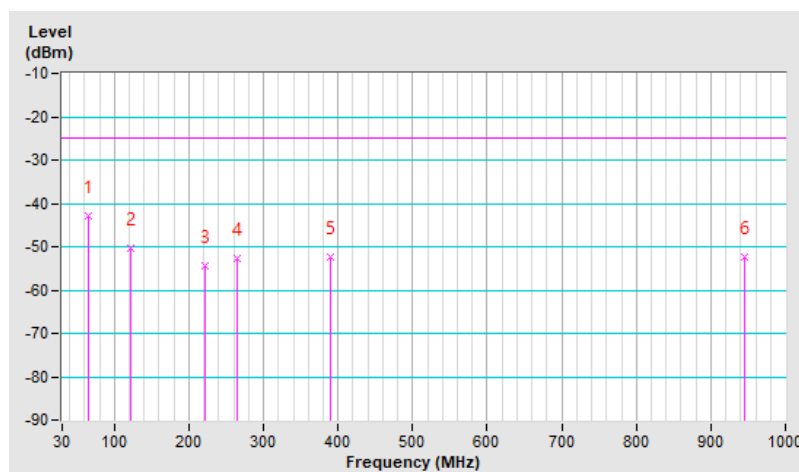
## 7.6.2 NR n41 SCS 30 kHz

|                        |                                    |                                          |                         |
|------------------------|------------------------------------|------------------------------------------|-------------------------|
| <b>RF Mode</b>         | NR n41<br>Channel Bandwidth: 10MHz | <b>Channel</b>                           | CH 509202 : 2546.01 MHz |
| <b>Frequency Range</b> | 30 MHz ~ 1 GHz                     | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)       |
| <b>Input Power</b>     | 120 Vac, 60 Hz                     | <b>Environmental Conditions</b>          | 23 °C, 68 % RH          |
| <b>Tested By</b>       | Edison Lee                         |                                          |                         |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 65.89           | -42.74     | -25.00      | -17.74      | 1.00 H             | 44                   | 67.27            | -110.01                  |
| 2                                                    | 121.18          | -50.21     | -25.00      | -25.21      | 1.50 H             | 232                  | 60.09            | -110.30                  |
| 3                                                    | 221.09          | -54.35     | -25.00      | -29.35      | 1.00 H             | 276                  | 57.22            | -111.57                  |
| 4                                                    | 264.74          | -52.57     | -25.00      | -27.57      | 1.25 H             | 287                  | 56.27            | -108.84                  |
| 5                                                    | 389.87          | -52.43     | -25.00      | -27.43      | 1.00 H             | 230                  | 52.95            | -105.38                  |
| 6                                                    | 944.71          | -52.26     | -25.00      | -27.26      | 1.50 H             | 325                  | 43.01            | -95.27                   |

### Remarks:

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3.  $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



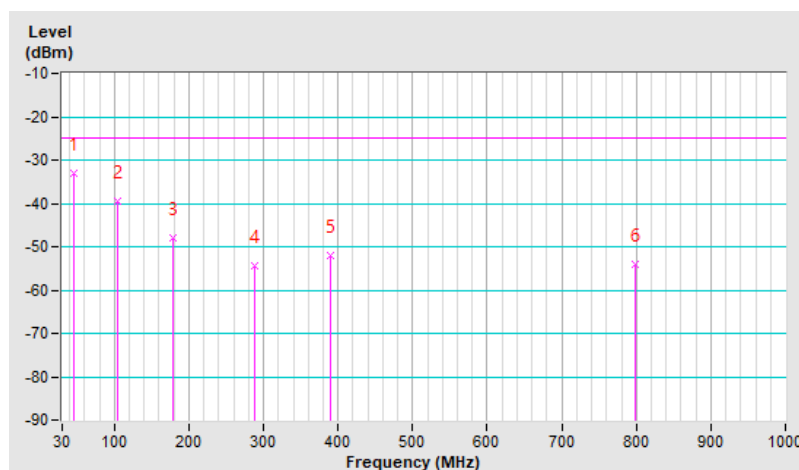


|                        |                                    |                                          |                         |
|------------------------|------------------------------------|------------------------------------------|-------------------------|
| <b>RF Mode</b>         | NR n41<br>Channel Bandwidth: 10MHz | <b>Channel</b>                           | CH 509202 : 2546.01 MHz |
| <b>Frequency Range</b> | 30 MHz ~ 1 GHz                     | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)       |
| <b>Input Power</b>     | 120 Vac, 60 Hz                     | <b>Environmental Conditions</b>          | 23 °C, 68 % RH          |
| <b>Tested By</b>       | Edison Lee                         |                                          |                         |

| Antenna Polarity & Test Distance : Vertical at 3 m |                 |            |             |             |                    |                      |                  |                          |
|----------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                 | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                  | 45.52           | -32.93     | -25.00      | -7.93       | 1.50 V             | 338                  | 75.45            | -108.38                  |
| 2                                                  | 103.72          | -39.50     | -25.00      | -14.50      | 1.25 V             | 200                  | 72.66            | -112.16                  |
| 3                                                  | 179.38          | -47.92     | -25.00      | -22.92      | 1.00 V             | 3                    | 61.88            | -109.80                  |
| 4                                                  | 288.02          | -54.34     | -25.00      | -29.34      | 1.00 V             | 196                  | 53.52            | -107.86                  |
| 5                                                  | 389.87          | -51.88     | -25.00      | -26.88      | 1.50 V             | 342                  | 53.50            | -105.38                  |
| 6                                                  | 799.21          | -54.07     | -25.00      | -29.07      | 1.00 V             | 26                   | 43.25            | -97.32                   |

#### Remarks:

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3.  $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



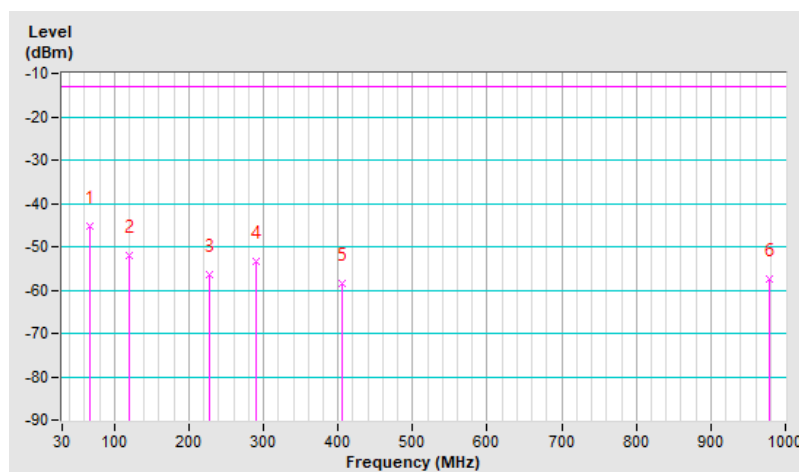
### 7.6.3 NR n66 SCS 15 kHz

|                        |                                    |                                          |                         |
|------------------------|------------------------------------|------------------------------------------|-------------------------|
| <b>RF Mode</b>         | NR n66<br>Channel Bandwidth: 45MHz | <b>Channel</b>                           | CH 351500 : 1757.50 MHz |
| <b>Frequency Range</b> | 30 MHz ~ 1 GHz                     | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)       |
| <b>Input Power</b>     | 120 Vac, 60 Hz                     | <b>Environmental Conditions</b>          | 23 °C, 68 % RH          |
| <b>Tested By</b>       | Edison Lee                         |                                          |                         |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 67.83           | -45.28     | -13.00      | -32.28      | 1.50 H             | 76                   | 65.01            | -110.29                  |
| 2                                                    | 119.24          | -52.19     | -13.00      | -39.19      | 1.00 H             | 244                  | 58.25            | -110.44                  |
| 3                                                    | 226.91          | -56.59     | -13.00      | -43.59      | 1.25 H             | 246                  | 54.53            | -111.12                  |
| 4                                                    | 290.93          | -53.40     | -13.00      | -40.40      | 1.00 H             | 142                  | 54.41            | -107.81                  |
| 5                                                    | 405.39          | -58.34     | -13.00      | -45.34      | 1.50 H             | 61                   | 46.73            | -105.07                  |
| 6                                                    | 978.66          | -57.62     | -13.00      | -44.62      | 1.00 H             | 2                    | 37.02            | -94.64                   |

#### Remarks:

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3.  $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

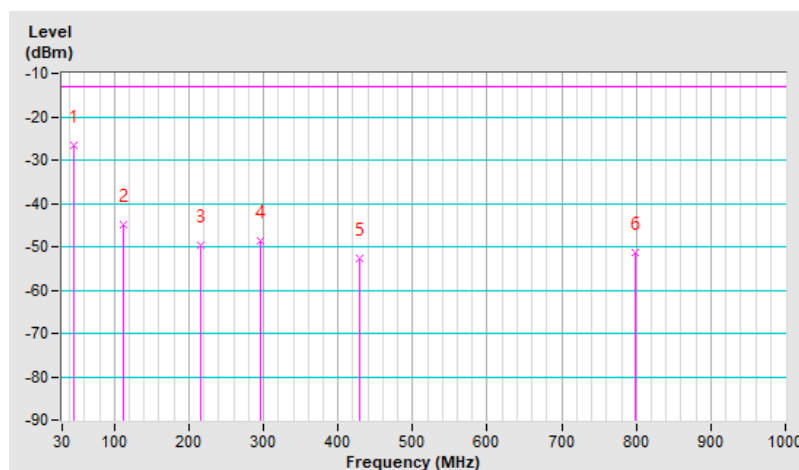


|                        |                                    |                                          |                         |
|------------------------|------------------------------------|------------------------------------------|-------------------------|
| <b>RF Mode</b>         | NR n66<br>Channel Bandwidth: 45MHz | <b>Channel</b>                           | CH 351500 : 1757.50 MHz |
| <b>Frequency Range</b> | 30 MHz ~ 1 GHz                     | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)       |
| <b>Input Power</b>     | 120 Vac, 60 Hz                     | <b>Environmental Conditions</b>          | 23 °C, 68 % RH          |
| <b>Tested By</b>       | Edison Lee                         |                                          |                         |

| Antenna Polarity & Test Distance : Vertical at 3 m |                 |            |             |             |                    |                      |                  |                          |
|----------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                 | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                  | 45.52           | -26.54     | -13.00      | -13.54      | 1.00 V             | 137                  | 81.84            | -108.38                  |
| 2                                                  | 111.48          | -44.83     | -13.00      | -31.83      | 1.25 V             | 165                  | 66.46            | -111.29                  |
| 3                                                  | 216.24          | -49.51     | -13.00      | -36.51      | 1.00 V             | 159                  | 62.10            | -111.61                  |
| 4                                                  | 295.78          | -48.70     | -13.00      | -35.70      | 1.50 V             | 248                  | 58.98            | -107.68                  |
| 5                                                  | 428.67          | -52.84     | -13.00      | -39.84      | 1.00 V             | 110                  | 51.43            | -104.27                  |
| 6                                                  | 798.24          | -51.45     | -13.00      | -38.45      | 1.25 V             | 188                  | 45.88            | -97.33                   |

#### Remarks:

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3.  $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



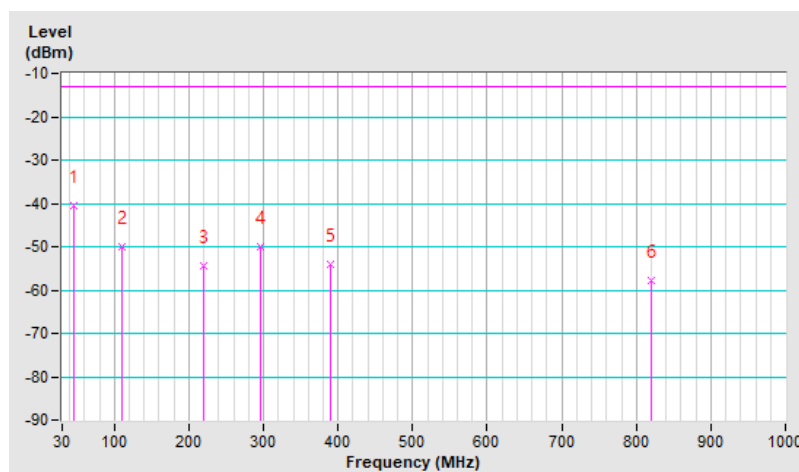
#### 7.6.4 NR n71 SCS 15 kHz

|                        |                                    |                                          |                       |
|------------------------|------------------------------------|------------------------------------------|-----------------------|
| <b>RF Mode</b>         | NR n71<br>Channel Bandwidth: 35MHz | <b>Channel</b>                           | CH 136100 : 680.5 MHz |
| <b>Frequency Range</b> | 30 MHz ~ 1 GHz                     | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)     |
| <b>Input Power</b>     | 120 Vac, 60 Hz                     | <b>Environmental Conditions</b>          | 23 °C, 68 % RH        |
| <b>Tested By</b>       | Edison Lee                         |                                          |                       |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |           |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|-----------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 45.52           | -40.50    | -13.00      | -27.50      | 1.25 H             | 170                  | 70.03            | -110.53                  |
| 2                                                    | 110.51          | -49.85    | -13.00      | -36.85      | 1.00 H             | 104                  | 63.70            | -113.55                  |
| 3                                                    | 220.12          | -54.54    | -13.00      | -41.54      | 1.50 H             | 230                  | 59.21            | -113.75                  |
| 4                                                    | 295.78          | -50.08    | -13.00      | -37.08      | 1.00 H             | 159                  | 59.75            | -109.83                  |
| 5                                                    | 389.87          | -54.05    | -13.00      | -41.05      | 1.25 H             | 61                   | 53.48            | -107.53                  |
| 6                                                    | 819.58          | -57.82    | -13.00      | -44.82      | 1.00 H             | 182                  | 41.54            | -99.36                   |

#### Remarks:

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
- The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

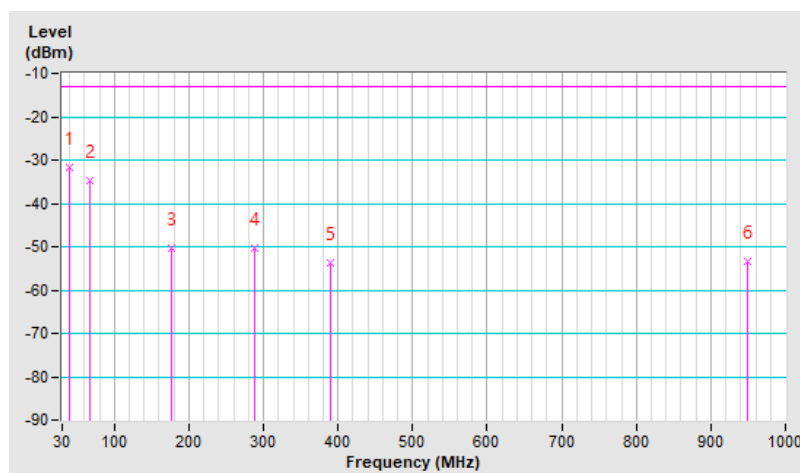


|                        |                                    |                                          |                       |
|------------------------|------------------------------------|------------------------------------------|-----------------------|
| <b>RF Mode</b>         | NR n71<br>Channel Bandwidth: 35MHz | <b>Channel</b>                           | CH 136100 : 680.5 MHz |
| <b>Frequency Range</b> | 30 MHz ~ 1 GHz                     | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)     |
| <b>Input Power</b>     | 120 Vac, 60 Hz                     | <b>Environmental Conditions</b>          | 23 °C, 68 % RH        |
| <b>Tested By</b>       | Edison Lee                         |                                          |                       |

| Antenna Polarity & Test Distance : Vertical at 3 m |                 |           |             |             |                    |                      |                  |                          |
|----------------------------------------------------|-----------------|-----------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                 | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                  | 39.70           | -31.84    | -13.00      | -18.84      | 1.00 V             | 2                    | 79.17            | -111.01                  |
| 2                                                  | 67.83           | -34.77    | -13.00      | -21.77      | 1.25 V             | 130                  | 77.67            | -112.44                  |
| 3                                                  | 177.44          | -50.18    | -13.00      | -37.18      | 1.25 V             | 29                   | 61.50            | -111.68                  |
| 4                                                  | 288.99          | -50.22    | -13.00      | -37.22      | 1.00 V             | 233                  | 59.77            | -109.99                  |
| 5                                                  | 389.87          | -53.73    | -13.00      | -40.73      | 1.50 V             | 282                  | 53.80            | -107.53                  |
| 6                                                  | 949.56          | -53.42    | -13.00      | -40.42      | 1.00 V             | 150                  | 43.93            | -97.35                   |

#### Remarks:

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) +  $20\log(D) - 104.8 - 2.15$
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
- The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



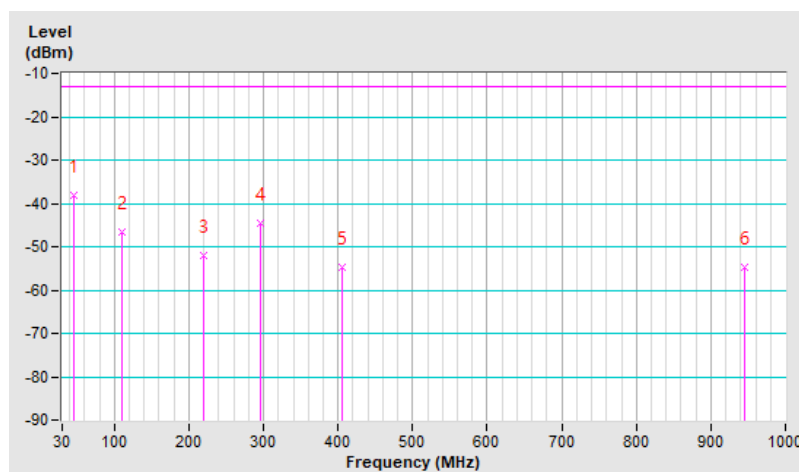
# 7.6.5 NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz)

|                        |                                     |                                          |                         |
|------------------------|-------------------------------------|------------------------------------------|-------------------------|
| <b>RF Mode</b>         | NR n77<br>Channel Bandwidth: 100MHz | <b>Channel</b>                           | CH 633334 : 3500.01 MHz |
| <b>Frequency Range</b> | 30 MHz ~ 1 GHz                      | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)       |
| <b>Input Power</b>     | 120 Vac, 60 Hz                      | <b>Environmental Conditions</b>          | 23 °C, 68 % RH          |
| <b>Tested By</b>       | Edison Lee                          |                                          |                         |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 45.52           | -38.27     | -13.00      | -25.27      | 1.00 H             | 229                  | 70.11            | -108.38                  |
| 2                                                    | 110.51          | -46.45     | -13.00      | -33.45      | 1.25 H             | 94                   | 64.95            | -111.40                  |
| 3                                                    | 220.12          | -52.12     | -13.00      | -39.12      | 1.25 H             | 107                  | 59.48            | -111.60                  |
| 4                                                    | 295.78          | -44.54     | -13.00      | -31.54      | 1.50 H             | 132                  | 63.14            | -107.68                  |
| 5                                                    | 405.39          | -54.67     | -13.00      | -41.67      | 1.00 H             | 132                  | 50.40            | -105.07                  |
| 6                                                    | 945.68          | -54.85     | -13.00      | -41.85      | 1.00 H             | 300                  | 40.41            | -95.26                   |

## Remarks:

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3.  $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

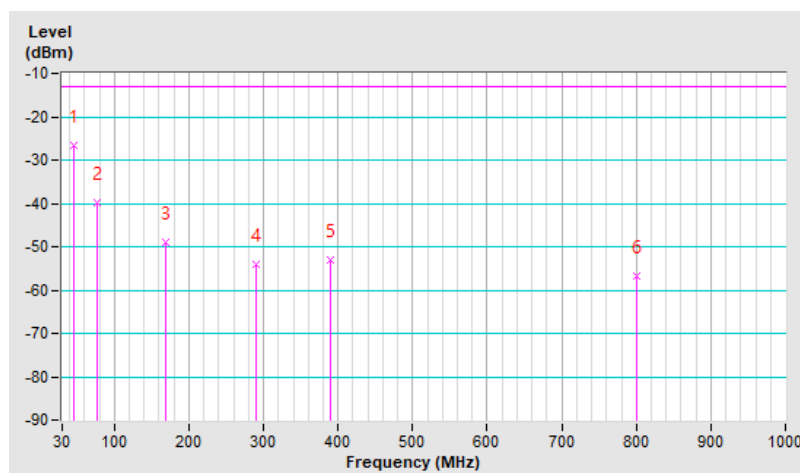


|                        |                                     |                                          |                         |
|------------------------|-------------------------------------|------------------------------------------|-------------------------|
| <b>RF Mode</b>         | NR n77<br>Channel Bandwidth: 100MHz | <b>Channel</b>                           | CH 633334 : 3500.01 MHz |
| <b>Frequency Range</b> | 30 MHz ~ 1 GHz                      | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)       |
| <b>Input Power</b>     | 120 Vac, 60 Hz                      | <b>Environmental Conditions</b>          | 23 °C, 68 % RH          |
| <b>Tested By</b>       | Edison Lee                          |                                          |                         |

| Antenna Polarity & Test Distance : Vertical at 3 m |                 |            |             |             |                    |                      |                  |                          |
|----------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                 | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                  | 45.52           | -26.54     | -13.00      | -13.54      | 1.25 V             | 213                  | 81.84            | -108.38                  |
| 2                                                  | 76.56           | -39.84     | -13.00      | -26.84      | 1.50 V             | 28                   | 72.64            | -112.48                  |
| 3                                                  | 169.68          | -49.10     | -13.00      | -36.10      | 1.00 V             | 98                   | 59.56            | -108.66                  |
| 4                                                  | 290.93          | -54.02     | -13.00      | -41.02      | 1.25 V             | 249                  | 53.79            | -107.81                  |
| 5                                                  | 389.87          | -53.03     | -13.00      | -40.03      | 1.00 V             | 299                  | 52.35            | -105.38                  |
| 6                                                  | 800.18          | -56.67     | -13.00      | -43.67      | 1.00 V             | 290                  | 40.63            | -97.30                   |

#### Remarks:

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3.  $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



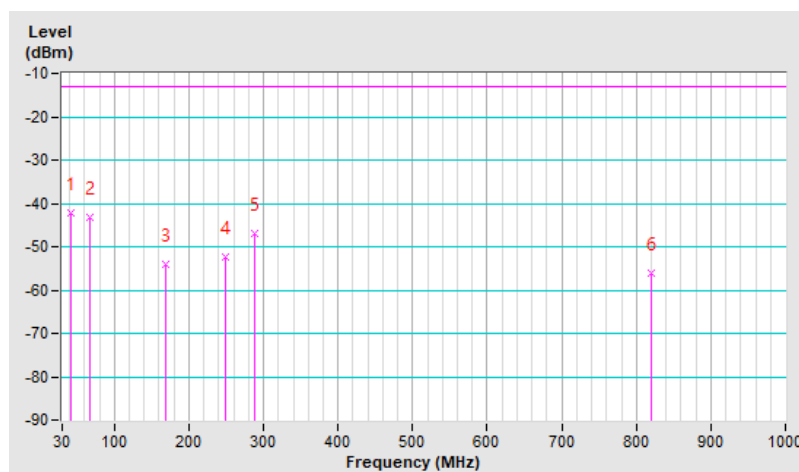
## 7.6.6 NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz)

|                        |                                     |                                          |                      |
|------------------------|-------------------------------------|------------------------------------------|----------------------|
| <b>RF Mode</b>         | NR n77<br>Channel Bandwidth: 100MHz | <b>Channel</b>                           | CH 650000 : 3750 MHz |
| <b>Frequency Range</b> | 30 MHz ~ 1 GHz                      | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)    |
| <b>Input Power</b>     | 120 Vac, 60 Hz                      | <b>Environmental Conditions</b>          | 23 °C, 68 % RH       |
| <b>Tested By</b>       | Edison Lee                          |                                          |                      |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 42.61           | -42.16     | -13.00      | -29.16      | 1.25 H             | 2                    | 66.39            | -108.55                  |
| 2                                                    | 67.83           | -43.38     | -13.00      | -30.38      | 1.00 H             | 73                   | 66.91            | -110.29                  |
| 3                                                    | 169.68          | -54.22     | -13.00      | -41.22      | 1.25 H             | 230                  | 54.44            | -108.66                  |
| 4                                                    | 249.22          | -52.36     | -13.00      | -39.36      | 1.00 H             | 214                  | 56.99            | -109.35                  |
| 5                                                    | 288.99          | -47.08     | -13.00      | -34.08      | 1.50 H             | 214                  | 60.76            | -107.84                  |
| 6                                                    | 819.58          | -56.05     | -13.00      | -43.05      | 1.00 H             | 199                  | 41.16            | -97.21                   |

## Remarks:

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3.  $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



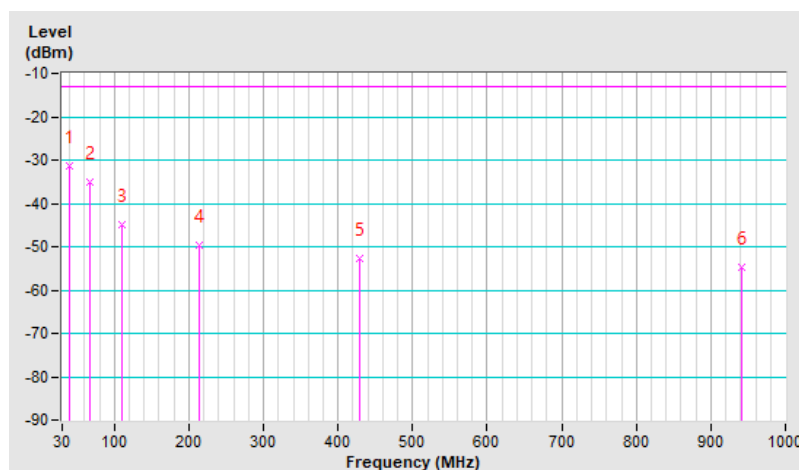


|                        |                                     |                                          |                      |
|------------------------|-------------------------------------|------------------------------------------|----------------------|
| <b>RF Mode</b>         | NR n77<br>Channel Bandwidth: 100MHz | <b>Channel</b>                           | CH 650000 : 3750 MHz |
| <b>Frequency Range</b> | 30 MHz ~ 1 GHz                      | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)    |
| <b>Input Power</b>     | 120 Vac, 60 Hz                      | <b>Environmental Conditions</b>          | 23 °C, 68 % RH       |
| <b>Tested By</b>       | Edison Lee                          |                                          |                      |

| Antenna Polarity & Test Distance : Vertical at 3 m |                 |            |             |             |                    |                      |                  |                          |
|----------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                 | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                  | 40.67           | -31.26     | -13.00      | -18.26      | 1.50 V             | 172                  | 77.48            | -108.74                  |
| 2                                                  | 67.83           | -35.05     | -13.00      | -22.05      | 1.00 V             | 2                    | 75.24            | -110.29                  |
| 3                                                  | 110.51          | -44.82     | -13.00      | -31.82      | 1.25 V             | 205                  | 66.58            | -111.40                  |
| 4                                                  | 214.30          | -49.55     | -13.00      | -36.55      | 1.50 V             | 159                  | 62.03            | -111.58                  |
| 5                                                  | 428.67          | -52.86     | -13.00      | -39.86      | 1.00 V             | 119                  | 51.41            | -104.27                  |
| 6                                                  | 941.80          | -54.77     | -13.00      | -41.77      | 1.00 V             | 343                  | 40.56            | -95.33                   |

#### Remarks:

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3.  $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



## 7.7 Radiated Spurious Emissions above 1GHz

### 7.7.1 NR n25 SCS 15 kHz

|                        |                                   |                                          |                        |
|------------------------|-----------------------------------|------------------------------------------|------------------------|
| <b>RF Mode</b>         | NR n25<br>Channel Bandwidth: 5MHz | <b>Channel</b>                           | CH 370500 : 1852.5 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 20 GHz                    | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)      |
| <b>Input Power</b>     | 120 Vac, 60 Hz                    | <b>Environmental Conditions</b>          | 23 °C, 68 % RH         |
| <b>Tested By</b>       | Edison Lee                        |                                          |                        |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 3705.00         | -48.77     | -13.00      | -35.77      | 1.45 H             | 217                  | 45.90            | -94.67                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 3705.00         | -47.98     | -13.00      | -34.98      | 1.67 V             | 118                  | 46.69            | -94.67                   |

#### Remarks:

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3.  $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

|                        |                                   |                                          |                        |
|------------------------|-----------------------------------|------------------------------------------|------------------------|
| <b>RF Mode</b>         | NR n25<br>Channel Bandwidth: 5MHz | <b>Channel</b>                           | CH 376500 : 1882.5 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 20 GHz                    | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)      |
| <b>Input Power</b>     | 120 Vac, 60 Hz                    | <b>Environmental Conditions</b>          | 23 °C, 68 % RH         |
| <b>Tested By</b>       | Edison Lee                        |                                          |                        |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 3765.00         | -48.32     | -13.00      | -35.32      | 1.48 H             | 245                  | 45.87            | -94.19                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 3765.00         | -47.55     | -13.00      | -34.55      | 1.65 V             | 113                  | 46.64            | -94.19                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

|                        |                                   |                                          |                        |
|------------------------|-----------------------------------|------------------------------------------|------------------------|
| <b>RF Mode</b>         | NR n25<br>Channel Bandwidth: 5MHz | <b>Channel</b>                           | CH 382500 : 1912.5 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 20 GHz                    | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)      |
| <b>Input Power</b>     | 120 Vac, 60 Hz                    | <b>Environmental Conditions</b>          | 23 °C, 68 % RH         |
| <b>Tested By</b>       | Edison Lee                        |                                          |                        |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 3825.00         | -47.89     | -13.00      | -34.89      | 1.52 H             | 243                  | 45.96            | -93.85                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 3825.00         | -47.24     | -13.00      | -34.24      | 1.66 V             | 115                  | 46.61            | -93.85                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

|                        |                                    |                                          |                        |
|------------------------|------------------------------------|------------------------------------------|------------------------|
| <b>RF Mode</b>         | NR n25<br>Channel Bandwidth: 25MHz | <b>Channel</b>                           | CH 372500 : 1862.5 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 20 GHz                     | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)      |
| <b>Input Power</b>     | 120 Vac, 60 Hz                     | <b>Environmental Conditions</b>          | 23 °C, 68 % RH         |
| <b>Tested By</b>       | Edison Lee                         |                                          |                        |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 3725.00         | -48.46     | -13.00      | -35.46      | 1.44 H             | 116                  | 46.03            | -94.49                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 3725.00         | -47.84     | -13.00      | -34.84      | 1.45 V             | 248                  | 46.65            | -94.49                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

|                        |                                    |                                          |                        |
|------------------------|------------------------------------|------------------------------------------|------------------------|
| <b>RF Mode</b>         | NR n25<br>Channel Bandwidth: 25MHz | <b>Channel</b>                           | CH 376500 : 1882.5 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 20 GHz                     | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)      |
| <b>Input Power</b>     | 120 Vac, 60 Hz                     | <b>Environmental Conditions</b>          | 23 °C, 68 % RH         |
| <b>Tested By</b>       | Edison Lee                         |                                          |                        |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 3765.00         | -48.18     | -13.00      | -35.18      | 1.44 H             | 247                  | 46.01            | -94.19                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 3765.00         | -47.45     | -13.00      | -34.45      | 1.69 V             | 110                  | 46.74            | -94.19                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

|                        |                                    |                                          |                        |
|------------------------|------------------------------------|------------------------------------------|------------------------|
| <b>RF Mode</b>         | NR n25<br>Channel Bandwidth: 25MHz | <b>Channel</b>                           | CH 380500 : 1902.5 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 20 GHz                     | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)      |
| <b>Input Power</b>     | 120 Vac, 60 Hz                     | <b>Environmental Conditions</b>          | 23 °C, 68 % RH         |
| <b>Tested By</b>       | Edison Lee                         |                                          |                        |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 3805.00         | -48.05     | -13.00      | -35.05      | 1.45 H             | 244                  | 45.93            | -93.98                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 3805.00         | -47.32     | -13.00      | -34.32      | 1.77 V             | 115                  | 46.66            | -93.98                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

|                        |                                    |                                          |                      |
|------------------------|------------------------------------|------------------------------------------|----------------------|
| <b>RF Mode</b>         | NR n25<br>Channel Bandwidth: 40MHz | <b>Channel</b>                           | CH 374000 : 1870 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 20 GHz                     | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)    |
| <b>Input Power</b>     | 120 Vac, 60 Hz                     | <b>Environmental Conditions</b>          | 23 °C, 68 % RH       |
| <b>Tested By</b>       | Edison Lee                         |                                          |                      |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 3740.00         | -48.57     | -13.00      | -35.57      | 1.40 H             | 245                  | 45.78            | -94.35                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 3740.00         | -47.66     | -13.00      | -34.66      | 1.74 V             | 120                  | 46.69            | -94.35                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.



|                        |                                    |                                          |                        |
|------------------------|------------------------------------|------------------------------------------|------------------------|
| <b>RF Mode</b>         | NR n25<br>Channel Bandwidth: 40MHz | <b>Channel</b>                           | CH 376500 : 1882.5 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 20 GHz                     | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)      |
| <b>Input Power</b>     | 120 Vac, 60 Hz                     | <b>Environmental Conditions</b>          | 23 °C, 68 % RH         |
| <b>Tested By</b>       | Edison Lee                         |                                          |                        |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 3765.00         | -47.89     | -13.00      | -34.89      | 1.48 H             | 360                  | 46.30            | -94.19                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 3765.00         | -47.29     | -13.00      | -34.29      | 1.73 V             | 119                  | 46.90            | -94.19                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

|                        |                                    |                                          |                      |
|------------------------|------------------------------------|------------------------------------------|----------------------|
| <b>RF Mode</b>         | NR n25<br>Channel Bandwidth: 40MHz | <b>Channel</b>                           | CH 379000 : 1895 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 20 GHz                     | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)    |
| <b>Input Power</b>     | 120 Vac, 60 Hz                     | <b>Environmental Conditions</b>          | 23 °C, 68 % RH       |
| <b>Tested By</b>       | Edison Lee                         |                                          |                      |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 3790.00         | -48.20     | -13.00      | -35.20      | 1.48 H             | 250                  | 45.86            | -94.06                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 3790.00         | -47.35     | -13.00      | -34.35      | 1.68 V             | 113                  | 46.71            | -94.06                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

## 7.7.2 NR n41 SCS 30 kHz

|                        |                                    |                                          |                         |
|------------------------|------------------------------------|------------------------------------------|-------------------------|
| <b>RF Mode</b>         | NR n41<br>Channel Bandwidth: 10MHz | <b>Channel</b>                           | CH 500202 : 2501.01 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 27 GHz                     | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)       |
| <b>Input Power</b>     | 120 Vac, 60 Hz                     | <b>Environmental Conditions</b>          | 23 °C, 68 % RH          |
| <b>Tested By</b>       | Edison Lee                         |                                          |                         |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 5002.02         | -44.91     | -25.00      | -19.91      | 2.08 H             | 91                   | 46.77            | -91.68                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 5002.02         | -43.68     | -25.00      | -18.68      | 1.95 V             | 188                  | 48.00            | -91.68                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

|                        |                                    |                                          |                         |
|------------------------|------------------------------------|------------------------------------------|-------------------------|
| <b>RF Mode</b>         | NR n41<br>Channel Bandwidth: 10MHz | <b>Channel</b>                           | CH 518598 : 2592.99 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 27 GHz                     | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)       |
| <b>Input Power</b>     | 120 Vac, 60 Hz                     | <b>Environmental Conditions</b>          | 23 °C, 68 % RH          |
| <b>Tested By</b>       | Edison Lee                         |                                          |                         |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 5185.98         | -44.41     | -25.00      | -19.41      | 2.00 H             | 98                   | 46.76            | -91.17                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 5185.98         | -41.94     | -25.00      | -16.94      | 1.96 V             | 183                  | 49.23            | -91.17                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3.  $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

|                        |                                    |                                          |                      |
|------------------------|------------------------------------|------------------------------------------|----------------------|
| <b>RF Mode</b>         | NR n41<br>Channel Bandwidth: 10MHz | <b>Channel</b>                           | CH 537000 : 2685 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 27 GHz                     | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)    |
| <b>Input Power</b>     | 120 Vac, 60 Hz                     | <b>Environmental Conditions</b>          | 23 °C, 68 % RH       |
| <b>Tested By</b>       | Edison Lee                         |                                          |                      |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 5370.00         | -44.41     | -25.00      | -19.41      | 2.21 H             | 79                   | 46.96            | -91.37                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 5370.00         | -42.90     | -25.00      | -17.90      | 1.96 V             | 185                  | 48.47            | -91.37                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

|                        |                                    |                                          |                         |
|------------------------|------------------------------------|------------------------------------------|-------------------------|
| <b>RF Mode</b>         | NR n41<br>Channel Bandwidth: 50MHz | <b>Channel</b>                           | CH 504204 : 2521.02 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 27 GHz                     | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)       |
| <b>Input Power</b>     | 120 Vac, 60 Hz                     | <b>Environmental Conditions</b>          | 23 °C, 68 % RH          |
| <b>Tested By</b>       | Edison Lee                         |                                          |                         |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 5042.04         | -44.95     | -25.00      | -19.95      | 2.03 H             | 88                   | 46.70            | -91.65                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 5042.04         | -43.29     | -25.00      | -18.29      | 1.94 V             | 180                  | 48.36            | -91.65                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

|                        |                                    |                                          |                         |
|------------------------|------------------------------------|------------------------------------------|-------------------------|
| <b>RF Mode</b>         | NR n41<br>Channel Bandwidth: 50MHz | <b>Channel</b>                           | CH 518598 : 2592.99 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 27 GHz                     | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)       |
| <b>Input Power</b>     | 120 Vac, 60 Hz                     | <b>Environmental Conditions</b>          | 23 °C, 68 % RH          |
| <b>Tested By</b>       | Edison Lee                         |                                          |                         |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 5185.98         | -44.56     | -25.00      | -19.56      | 2.07 H             | 87                   | 46.61            | -91.17                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 5185.98         | -42.73     | -25.00      | -17.73      | 1.95 V             | 182                  | 48.44            | -91.17                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3.  $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

|                        |                                    |                                          |                         |
|------------------------|------------------------------------|------------------------------------------|-------------------------|
| <b>RF Mode</b>         | NR n41<br>Channel Bandwidth: 50MHz | <b>Channel</b>                           | CH 532998 : 2664.99 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 27 GHz                     | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)       |
| <b>Input Power</b>     | 120 Vac, 60 Hz                     | <b>Environmental Conditions</b>          | 23 °C, 68 % RH          |
| <b>Tested By</b>       | Edison Lee                         |                                          |                         |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 5329.98         | -44.75     | -25.00      | -19.75      | 2.00 H             | 86                   | 46.75            | -91.50                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 5329.98         | -43.00     | -25.00      | -18.00      | 1.98 V             | 178                  | 48.50            | -91.50                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.



|                        |                                     |                                          |                         |
|------------------------|-------------------------------------|------------------------------------------|-------------------------|
| <b>RF Mode</b>         | NR n41<br>Channel Bandwidth: 100MHz | <b>Channel</b>                           | CH 509202 : 2546.01 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 27 GHz                      | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)       |
| <b>Input Power</b>     | 120 Vac, 60 Hz                      | <b>Environmental Conditions</b>          | 23 °C, 68 % RH          |
| <b>Tested By</b>       | Edison Lee                          |                                          |                         |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 5092.02         | -44.67     | -25.00      | -19.67      | 2.01 H             | 86                   | 46.76            | -91.43                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 5092.02         | -42.98     | -25.00      | -17.98      | 1.94 V             | 182                  | 48.45            | -91.43                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

|                        |                                     |                                          |                         |
|------------------------|-------------------------------------|------------------------------------------|-------------------------|
| <b>RF Mode</b>         | NR n41<br>Channel Bandwidth: 100MHz | <b>Channel</b>                           | CH 518598 : 2592.99 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 27 GHz                      | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)       |
| <b>Input Power</b>     | 120 Vac, 60 Hz                      | <b>Environmental Conditions</b>          | 23 °C, 68 % RH          |
| <b>Tested By</b>       | Edison Lee                          |                                          |                         |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 5185.98         | -44.07     | -25.00      | -19.07      | 2.04 H             | 93                   | 47.10            | -91.17                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 5185.98         | -42.57     | -25.00      | -17.57      | 1.95 V             | 179                  | 48.60            | -91.17                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

|                        |                                     |                                          |                      |
|------------------------|-------------------------------------|------------------------------------------|----------------------|
| <b>RF Mode</b>         | NR n41<br>Channel Bandwidth: 100MHz | <b>Channel</b>                           | CH 528000 : 2640 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 27 GHz                      | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)    |
| <b>Input Power</b>     | 120 Vac, 60 Hz                      | <b>Environmental Conditions</b>          | 23 °C, 68 % RH       |
| <b>Tested By</b>       | Edison Lee                          |                                          |                      |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 5280.00         | -44.65     | -25.00      | -19.65      | 2.10 H             | 86                   | 46.83            | -91.48                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 5280.00         | -43.35     | -25.00      | -18.35      | 1.97 V             | 182                  | 48.13            | -91.48                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

### 7.7.3 NR n66 SCS 15 kHz

|                        |                                   |                                          |                        |
|------------------------|-----------------------------------|------------------------------------------|------------------------|
| <b>RF Mode</b>         | NR n66<br>Channel Bandwidth: 5MHz | <b>Channel</b>                           | CH 342500 : 1712.5 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 18 GHz                    | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)      |
| <b>Input Power</b>     | 120 Vac, 60 Hz                    | <b>Environmental Conditions</b>          | 23 °C, 68 % RH         |
| <b>Tested By</b>       | Edison Lee                        |                                          |                        |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 3425.00         | -49.34     | -13.00      | -36.34      | 1.85 H             | 301                  | 46.43            | -95.77                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 3425.00         | -48.27     | -13.00      | -35.27      | 2.11 V             | 198                  | 47.50            | -95.77                   |

#### Remarks:

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

|                        |                                   |                                          |                      |
|------------------------|-----------------------------------|------------------------------------------|----------------------|
| <b>RF Mode</b>         | NR n66<br>Channel Bandwidth: 5MHz | <b>Channel</b>                           | CH 349000 : 1745 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 18 GHz                    | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)    |
| <b>Input Power</b>     | 120 Vac, 60 Hz                    | <b>Environmental Conditions</b>          | 23 °C, 68 % RH       |
| <b>Tested By</b>       | Edison Lee                        |                                          |                      |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 3490.00         | -49.17     | -13.00      | -36.17      | 1.88 H             | 300                  | 46.55            | -95.72                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 3490.00         | -48.28     | -13.00      | -35.28      | 2.05 V             | 199                  | 47.44            | -95.72                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

|                        |                                   |                                          |                        |
|------------------------|-----------------------------------|------------------------------------------|------------------------|
| <b>RF Mode</b>         | NR n66<br>Channel Bandwidth: 5MHz | <b>Channel</b>                           | CH 355500 : 1777.5 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 18 GHz                    | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)      |
| <b>Input Power</b>     | 120 Vac, 60 Hz                    | <b>Environmental Conditions</b>          | 23 °C, 68 % RH         |
| <b>Tested By</b>       | Edison Lee                        |                                          |                        |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 3555.00         | -49.07     | -13.00      | -36.07      | 1.78 H             | 293                  | 46.43            | -95.50                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 3555.00         | -48.21     | -13.00      | -35.21      | 2.00 V             | 198                  | 47.29            | -95.50                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

|                        |                                    |                                          |                      |
|------------------------|------------------------------------|------------------------------------------|----------------------|
| <b>RF Mode</b>         | NR n66<br>Channel Bandwidth: 20MHz | <b>Channel</b>                           | CH 344000 : 1720 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 18 GHz                     | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)    |
| <b>Input Power</b>     | 120 Vac, 60 Hz                     | <b>Environmental Conditions</b>          | 23 °C, 68 % RH       |
| <b>Tested By</b>       | Edison Lee                         |                                          |                      |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 3440.00         | -49.33     | -13.00      | -36.33      | 1.92 H             | 297                  | 46.40            | -95.73                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 3440.00         | -48.21     | -13.00      | -35.21      | 2.12 V             | 196                  | 47.52            | -95.73                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

|                        |                                    |                                          |                      |
|------------------------|------------------------------------|------------------------------------------|----------------------|
| <b>RF Mode</b>         | NR n66<br>Channel Bandwidth: 20MHz | <b>Channel</b>                           | CH 349000 : 1745 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 18 GHz                     | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)    |
| <b>Input Power</b>     | 120 Vac, 60 Hz                     | <b>Environmental Conditions</b>          | 23 °C, 68 % RH       |
| <b>Tested By</b>       | Edison Lee                         |                                          |                      |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 3490.00         | -48.79     | -13.00      | -35.79      | 1.82 H             | 301                  | 46.93            | -95.72                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 3490.00         | -48.00     | -13.00      | -35.00      | 2.09 V             | 200                  | 47.72            | -95.72                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.



|                        |                                    |                                          |                      |
|------------------------|------------------------------------|------------------------------------------|----------------------|
| <b>RF Mode</b>         | NR n66<br>Channel Bandwidth: 20MHz | <b>Channel</b>                           | CH 354000 : 1770 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 18 GHz                     | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)    |
| <b>Input Power</b>     | 120 Vac, 60 Hz                     | <b>Environmental Conditions</b>          | 23 °C, 68 % RH       |
| <b>Tested By</b>       | Edison Lee                         |                                          |                      |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 3540.00         | -49.11     | -13.00      | -36.11      | 1.89 H             | 305                  | 46.45            | -95.56                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 3540.00         | -48.25     | -13.00      | -35.25      | 2.10 V             | 195                  | 47.31            | -95.56                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

|                        |                                    |                                          |                        |
|------------------------|------------------------------------|------------------------------------------|------------------------|
| <b>RF Mode</b>         | NR n66<br>Channel Bandwidth: 45MHz | <b>Channel</b>                           | CH 346500 : 1732.5 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 18 GHz                     | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)      |
| <b>Input Power</b>     | 120 Vac, 60 Hz                     | <b>Environmental Conditions</b>          | 23 °C, 68 % RH         |
| <b>Tested By</b>       | Edison Lee                         |                                          |                        |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 3465.00         | -49.22     | -13.00      | -36.22      | 1.93 H             | 299                  | 46.50            | -95.72                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 3465.00         | -48.62     | -13.00      | -35.62      | 2.11 V             | 203                  | 47.10            | -95.72                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

|                        |                                    |                                          |                      |
|------------------------|------------------------------------|------------------------------------------|----------------------|
| <b>RF Mode</b>         | NR n66<br>Channel Bandwidth: 45MHz | <b>Channel</b>                           | CH 349000 : 1745 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 18 GHz                     | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)    |
| <b>Input Power</b>     | 120 Vac, 60 Hz                     | <b>Environmental Conditions</b>          | 23 °C, 68 % RH       |
| <b>Tested By</b>       | Edison Lee                         |                                          |                      |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 3490.00         | -48.62     | -13.00      | -35.62      | 2.03 H             | 310                  | 47.10            | -95.72                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 3490.00         | -47.87     | -13.00      | -34.87      | 2.12 V             | 206                  | 47.85            | -95.72                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

|                        |                                    |                                          |                        |
|------------------------|------------------------------------|------------------------------------------|------------------------|
| <b>RF Mode</b>         | NR n66<br>Channel Bandwidth: 45MHz | <b>Channel</b>                           | CH 351500 : 1757.5 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 18 GHz                     | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)      |
| <b>Input Power</b>     | 120 Vac, 60 Hz                     | <b>Environmental Conditions</b>          | 23 °C, 68 % RH         |
| <b>Tested By</b>       | Edison Lee                         |                                          |                        |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 3515.00         | -48.66     | -13.00      | -35.66      | 1.88 H             | 318                  | 47.00            | -95.66                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 3515.00         | -48.12     | -13.00      | -35.12      | 2.01 V             | 196                  | 47.54            | -95.66                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

#### 7.7.4 NR n71 SCS 15 kHz

|                        |                                   |                                          |                       |
|------------------------|-----------------------------------|------------------------------------------|-----------------------|
| <b>RF Mode</b>         | NR n71<br>Channel Bandwidth: 5MHz | <b>Channel</b>                           | CH 133100 : 665.5 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 18 GHz                    | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)     |
| <b>Input Power</b>     | 120 Vac, 60 Hz                    | <b>Environmental Conditions</b>          | 23 °C, 68 % RH        |
| <b>Tested By</b>       | Edison Lee                        |                                          |                       |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |           |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|-----------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 1331.00         | -42.04    | -13.00      | -29.04      | 3.98 H             | 260                  | 59.62            | -101.66                  |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |           |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 1331.00         | -39.59    | -13.00      | -26.59      | 1.45 V             | 222                  | 62.07            | -101.66                  |

#### Remarks:

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)  
+ 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.

|                        |                                   |                                          |                       |
|------------------------|-----------------------------------|------------------------------------------|-----------------------|
| <b>RF Mode</b>         | NR n71<br>Channel Bandwidth: 5MHz | <b>Channel</b>                           | CH 136100 : 680.5 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 18 GHz                    | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)     |
| <b>Input Power</b>     | 120 Vac, 60 Hz                    | <b>Environmental Conditions</b>          | 23 °C, 68 % RH        |
| <b>Tested By</b>       | Edison Lee                        |                                          |                       |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |           |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|-----------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 1361.00         | -41.77    | -13.00      | -28.77      | 3.99 H             | 258                  | 59.86            | -101.63                  |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |           |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 1361.00         | -39.40    | -13.00      | -26.40      | 1.50 V             | 237                  | 62.23            | -101.63                  |

**Remarks:**

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)  
+ 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.

|                        |                                   |                                          |                       |
|------------------------|-----------------------------------|------------------------------------------|-----------------------|
| <b>RF Mode</b>         | NR n71<br>Channel Bandwidth: 5MHz | <b>Channel</b>                           | CH 139100 : 695.5 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 18 GHz                    | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)     |
| <b>Input Power</b>     | 120 Vac, 60 Hz                    | <b>Environmental Conditions</b>          | 23 °C, 68 % RH        |
| <b>Tested By</b>       | Edison Lee                        |                                          |                       |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |           |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|-----------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 1391.00         | -42.05    | -13.00      | -29.05      | 4.00 H             | 239                  | 59.47            | -101.52                  |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |           |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 1391.00         | -39.22    | -13.00      | -26.22      | 1.51 V             | 230                  | 62.30            | -101.52                  |

**Remarks:**

1.  $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

|                        |                                    |                                          |                     |
|------------------------|------------------------------------|------------------------------------------|---------------------|
| <b>RF Mode</b>         | NR n71<br>Channel Bandwidth: 20MHz | <b>Channel</b>                           | CH 134600 : 673 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz                     | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)   |
| <b>Input Power</b>     | 120 Vac, 60 Hz                     | <b>Environmental Conditions</b>          | 23 °C, 68 % RH      |
| <b>Tested By</b>       | Edison Lee                         |                                          |                     |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |           |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|-----------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 1346.00         | -41.98    | -13.00      | -28.98      | 3.96 H             | 254                  | 59.70            | -101.68                  |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |           |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 1346.00         | -39.46    | -13.00      | -26.46      | 1.51 V             | 231                  | 62.22            | -101.68                  |

**Remarks:**

1.  $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.



|                        |                                    |                                          |                       |
|------------------------|------------------------------------|------------------------------------------|-----------------------|
| <b>RF Mode</b>         | NR n71<br>Channel Bandwidth: 20MHz | <b>Channel</b>                           | CH 136100 : 680.5 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz                     | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)     |
| <b>Input Power</b>     | 120 Vac, 60 Hz                     | <b>Environmental Conditions</b>          | 23 °C, 68 % RH        |
| <b>Tested By</b>       | Edison Lee                         |                                          |                       |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |           |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|-----------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 1361.00         | -41.52    | -13.00      | -28.52      | 4.00 H             | 261                  | 60.11            | -101.63                  |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |           |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 1361.00         | -39.12    | -13.00      | -26.12      | 1.56 V             | 224                  | 62.51            | -101.63                  |

**Remarks:**

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)  
+ 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.

|                        |                                    |                                          |                     |
|------------------------|------------------------------------|------------------------------------------|---------------------|
| <b>RF Mode</b>         | NR n71<br>Channel Bandwidth: 20MHz | <b>Channel</b>                           | CH 137600 : 688 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz                     | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)   |
| <b>Input Power</b>     | 120 Vac, 60 Hz                     | <b>Environmental Conditions</b>          | 23 °C, 68 % RH      |
| <b>Tested By</b>       | Edison Lee                         |                                          |                     |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |           |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|-----------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 1376.00         | -41.80    | -13.00      | -28.80      | 3.92 H             | 256                  | 59.78            | -101.58                  |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |           |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 1376.00         | -39.29    | -13.00      | -26.29      | 1.48 V             | 230                  | 62.29            | -101.58                  |

**Remarks:**

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)  
+ 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.

|                        |                                    |                                          |                       |
|------------------------|------------------------------------|------------------------------------------|-----------------------|
| <b>RF Mode</b>         | NR n71<br>Channel Bandwidth: 35MHz | <b>Channel</b>                           | CH 136100 : 680.5 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 18 GHz                     | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)     |
| <b>Input Power</b>     | 120 Vac, 60 Hz                     | <b>Environmental Conditions</b>          | 23 °C, 68 % RH        |
| <b>Tested By</b>       | Edison Lee                         |                                          |                       |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |           |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|-----------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 1361.00         | -41.28    | -13.00      | -28.28      | 4.00 H             | 266                  | 60.35            | -101.63                  |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |           |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | ERP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 1361.00         | -38.87    | -13.00      | -25.87      | 1.55 V             | 229                  | 62.76            | -101.63                  |

**Remarks:**

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)  
+ 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.

#### 7.7.5 NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz)

|                        |                                    |                                          |                         |
|------------------------|------------------------------------|------------------------------------------|-------------------------|
| <b>RF Mode</b>         | NR n77<br>Channel Bandwidth: 10MHz | <b>Channel</b>                           | CH 630334 : 3455.01 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz                     | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)       |
| <b>Input Power</b>     | 120 Vac, 60 Hz                     | <b>Environmental Conditions</b>          | 23 °C, 68 % RH          |
| <b>Tested By</b>       | Edison Lee                         |                                          |                         |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 6910.02         | -33.77     | -13.00      | -20.77      | 1.94 H             | 62                   | 52.33            | -86.10                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 6910.02         | -25.11     | -13.00      | -12.11      | 2.45 V             | 70                   | 60.99            | -86.10                   |

#### Remarks:

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

|                        |                                    |                                          |                         |
|------------------------|------------------------------------|------------------------------------------|-------------------------|
| <b>RF Mode</b>         | NR n77<br>Channel Bandwidth: 10MHz | <b>Channel</b>                           | CH 633334 : 3500.01 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz                     | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)       |
| <b>Input Power</b>     | 120 Vac, 60 Hz                     | <b>Environmental Conditions</b>          | 23 °C, 68 % RH          |
| <b>Tested By</b>       | Edison Lee                         |                                          |                         |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 7000.02         | -34.05     | -13.00      | -21.05      | 1.83 H             | 60                   | 52.12            | -86.17                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 7000.02         | -25.65     | -13.00      | -12.65      | 2.41 V             | 65                   | 60.52            | -86.17                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

|                        |                                    |                                          |                         |
|------------------------|------------------------------------|------------------------------------------|-------------------------|
| <b>RF Mode</b>         | NR n77<br>Channel Bandwidth: 10MHz | <b>Channel</b>                           | CH 636332 : 3544.98 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz                     | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)       |
| <b>Input Power</b>     | 120 Vac, 60 Hz                     | <b>Environmental Conditions</b>          | 23 °C, 68 % RH          |
| <b>Tested By</b>       | Edison Lee                         |                                          |                         |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 7089.96         | -33.46     | -13.00      | -20.46      | 1.88 H             | 66                   | 52.23            | -85.69                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 7089.96         | -25.04     | -13.00      | -12.04      | 2.50 V             | 70                   | 60.65            | -85.69                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

|                        |                                    |                                          |                         |
|------------------------|------------------------------------|------------------------------------------|-------------------------|
| <b>RF Mode</b>         | NR n77<br>Channel Bandwidth: 50MHz | <b>Channel</b>                           | CH 631668 : 3475.02 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz                     | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)       |
| <b>Input Power</b>     | 120 Vac, 60 Hz                     | <b>Environmental Conditions</b>          | 23 °C, 68 % RH          |
| <b>Tested By</b>       | Edison Lee                         |                                          |                         |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 6950.04         | -33.82     | -13.00      | -20.82      | 1.95 H             | 57                   | 52.18            | -86.00                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 6950.04         | -25.17     | -13.00      | -12.17      | 2.44 V             | 62                   | 60.83            | -86.00                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

|                        |                                    |                                          |                         |
|------------------------|------------------------------------|------------------------------------------|-------------------------|
| <b>RF Mode</b>         | NR n77<br>Channel Bandwidth: 50MHz | <b>Channel</b>                           | CH 633334 : 3500.01 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz                     | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)       |
| <b>Input Power</b>     | 120 Vac, 60 Hz                     | <b>Environmental Conditions</b>          | 23 °C, 68 % RH          |
| <b>Tested By</b>       | Edison Lee                         |                                          |                         |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 7000.02         | -34.09     | -13.00      | -21.09      | 1.89 H             | 57                   | 52.08            | -86.17                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 7000.02         | -25.44     | -13.00      | -12.44      | 2.46 V             | 61                   | 60.73            | -86.17                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.



|                        |                                    |                                          |                      |
|------------------------|------------------------------------|------------------------------------------|----------------------|
| <b>RF Mode</b>         | NR n77<br>Channel Bandwidth: 50MHz | <b>Channel</b>                           | CH 635000 : 3525 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz                     | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)    |
| <b>Input Power</b>     | 120 Vac, 60 Hz                     | <b>Environmental Conditions</b>          | 23 °C, 68 % RH       |
| <b>Tested By</b>       | Edison Lee                         |                                          |                      |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 7050.00         | -33.85     | -13.00      | -20.85      | 1.96 H             | 61                   | 52.12            | -85.97                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 7050.00         | -25.19     | -13.00      | -12.19      | 2.45 V             | 66                   | 60.78            | -85.97                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

|                        |                                     |                                          |                         |
|------------------------|-------------------------------------|------------------------------------------|-------------------------|
| <b>RF Mode</b>         | NR n77<br>Channel Bandwidth: 100MHz | <b>Channel</b>                           | CH 633334 : 3500.01 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz                      | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)       |
| <b>Input Power</b>     | 120 Vac, 60 Hz                      | <b>Environmental Conditions</b>          | 23 °C, 68 % RH          |
| <b>Tested By</b>       | Edison Lee                          |                                          |                         |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 7000.02         | -33.67     | -13.00      | -20.67      | 1.92 H             | 58                   | 52.50            | -86.17                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 7000.02         | -25.17     | -13.00      | -12.17      | 2.47 V             | 62                   | 61.00            | -86.17                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

#### 7.7.6 NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz)

|                        |                                    |                                          |                      |
|------------------------|------------------------------------|------------------------------------------|----------------------|
| <b>RF Mode</b>         | NR n77<br>Channel Bandwidth: 10MHz | <b>Channel</b>                           | CH 647000 : 3705 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz                     | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)    |
| <b>Input Power</b>     | 120 Vac, 60 Hz                     | <b>Environmental Conditions</b>          | 23 °C, 68 % RH       |
| <b>Tested By</b>       | Edison Lee                         |                                          |                      |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 7410.00         | -39.11     | -13.00      | -26.11      | 2.12 H             | 88                   | 46.49            | -85.60                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 7410.00         | -38.24     | -13.00      | -25.24      | 2.22 V             | 62                   | 47.36            | -85.60                   |

#### Remarks:

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

|                        |                                    |                                          |                      |
|------------------------|------------------------------------|------------------------------------------|----------------------|
| <b>RF Mode</b>         | NR n77<br>Channel Bandwidth: 10MHz | <b>Channel</b>                           | CH 656000 : 3840 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz                     | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)    |
| <b>Input Power</b>     | 120 Vac, 60 Hz                     | <b>Environmental Conditions</b>          | 23 °C, 68 % RH       |
| <b>Tested By</b>       | Edison Lee                         |                                          |                      |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 7680.00         | -39.55     | -13.00      | -26.55      | 2.21 H             | 75                   | 46.52            | -86.07                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 7680.00         | -38.61     | -13.00      | -25.61      | 2.21 V             | 60                   | 47.46            | -86.07                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

|                        |                                    |                                          |                      |
|------------------------|------------------------------------|------------------------------------------|----------------------|
| <b>RF Mode</b>         | NR n77<br>Channel Bandwidth: 10MHz | <b>Channel</b>                           | CH 665000 : 3975 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz                     | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)    |
| <b>Input Power</b>     | 120 Vac, 60 Hz                     | <b>Environmental Conditions</b>          | 23 °C, 68 % RH       |
| <b>Tested By</b>       | Edison Lee                         |                                          |                      |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 7950.00         | -38.37     | -13.00      | -25.37      | 2.22 H             | 66                   | 47.23            | -85.60                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 7950.00         | -38.06     | -13.00      | -25.06      | 2.26 V             | 59                   | 47.54            | -85.60                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3.  $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

|                        |                                    |                                          |                         |
|------------------------|------------------------------------|------------------------------------------|-------------------------|
| <b>RF Mode</b>         | NR n77<br>Channel Bandwidth: 50MHz | <b>Channel</b>                           | CH 648334 : 3725.01 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz                     | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)       |
| <b>Input Power</b>     | 120 Vac, 60 Hz                     | <b>Environmental Conditions</b>          | 23 °C, 68 % RH          |
| <b>Tested By</b>       | Edison Lee                         |                                          |                         |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 7450.02         | -39.14     | -13.00      | -26.14      | 2.10 H             | 80                   | 46.31            | -85.45                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 7450.02         | -38.15     | -13.00      | -25.15      | 2.26 V             | 60                   | 47.30            | -85.45                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

|                        |                                    |                                          |                      |
|------------------------|------------------------------------|------------------------------------------|----------------------|
| <b>RF Mode</b>         | NR n77<br>Channel Bandwidth: 50MHz | <b>Channel</b>                           | CH 656000 : 3840 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz                     | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)    |
| <b>Input Power</b>     | 120 Vac, 60 Hz                     | <b>Environmental Conditions</b>          | 23 °C, 68 % RH       |
| <b>Tested By</b>       | Edison Lee                         |                                          |                      |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 7680.00         | -39.69     | -13.00      | -26.69      | 2.10 H             | 74                   | 46.38            | -86.07                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 7680.00         | -38.88     | -13.00      | -25.88      | 2.28 V             | 62                   | 47.19            | -86.07                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

|                        |                                    |                                          |                         |
|------------------------|------------------------------------|------------------------------------------|-------------------------|
| <b>RF Mode</b>         | NR n77<br>Channel Bandwidth: 50MHz | <b>Channel</b>                           | CH 663666 : 3954.99 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz                     | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)       |
| <b>Input Power</b>     | 120 Vac, 60 Hz                     | <b>Environmental Conditions</b>          | 23 °C, 68 % RH          |
| <b>Tested By</b>       | Edison Lee                         |                                          |                         |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 7909.98         | -39.03     | -13.00      | -26.03      | 2.07 H             | 78                   | 46.53            | -85.56                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 7909.98         | -38.32     | -13.00      | -25.32      | 2.21 V             | 63                   | 47.24            | -85.56                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3.  $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.



|                        |                                     |                                          |                      |
|------------------------|-------------------------------------|------------------------------------------|----------------------|
| <b>RF Mode</b>         | NR n77<br>Channel Bandwidth: 100MHz | <b>Channel</b>                           | CH 650000 : 3750 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz                      | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)    |
| <b>Input Power</b>     | 120 Vac, 60 Hz                      | <b>Environmental Conditions</b>          | 23 °C, 68 % RH       |
| <b>Tested By</b>       | Edison Lee                          |                                          |                      |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 7500.00         | -38.97     | -13.00      | -25.97      | 2.04 H             | 75                   | 46.40            | -85.37                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 7500.00         | -38.05     | -13.00      | -25.05      | 2.27 V             | 60                   | 47.32            | -85.37                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

|                        |                                     |                                          |                      |
|------------------------|-------------------------------------|------------------------------------------|----------------------|
| <b>RF Mode</b>         | NR n77<br>Channel Bandwidth: 100MHz | <b>Channel</b>                           | CH 656000 : 3840 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz                      | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)    |
| <b>Input Power</b>     | 120 Vac, 60 Hz                      | <b>Environmental Conditions</b>          | 23 °C, 68 % RH       |
| <b>Tested By</b>       | Edison Lee                          |                                          |                      |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 7680.00         | -39.26     | -13.00      | -26.26      | 2.04 H             | 80                   | 46.81            | -86.07                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 7680.00         | -38.56     | -13.00      | -25.56      | 2.24 V             | 65                   | 47.51            | -86.07                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

|                        |                                     |                                          |                      |
|------------------------|-------------------------------------|------------------------------------------|----------------------|
| <b>RF Mode</b>         | NR n77<br>Channel Bandwidth: 100MHz | <b>Channel</b>                           | CH 662000 : 3930 MHz |
| <b>Frequency Range</b> | 1 GHz ~ 40 GHz                      | <b>Detector Function &amp; Bandwidth</b> | 1 MHz/3 MHz (RMS)    |
| <b>Input Power</b>     | 120 Vac, 60 Hz                      | <b>Environmental Conditions</b>          | 23 °C, 68 % RH       |
| <b>Tested By</b>       | Edison Lee                          |                                          |                      |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |            |             |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|------------|-------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 7860.00         | -39.29     | -13.00      | -26.29      | 2.04 H             | 76                   | 46.41            | -85.70                   |
| Antenna Polarity & Test Distance : Vertical at 3 m   |                 |            |             |             |                    |                      |                  |                          |
| No                                                   | Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 7860.00         | -38.53     | -13.00      | -25.53      | 2.22 V             | 68                   | 47.17            | -85.70                   |

**Remarks:**

1.  $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

## 7.8 Frequency Stability

|                           |              |            |             |
|---------------------------|--------------|------------|-------------|
| Environmental Conditions: | 25°C, 60% RH | Tested By: | Willy Cheng |
|---------------------------|--------------|------------|-------------|

### 7.8.1 NR n25 SCS 15 kHz

#### NR n25 SCS 15 kHz, Channel Bandwidth: 5 MHz

| Frequency Stability Versus Voltage |                        |                       |                        |                       |
|------------------------------------|------------------------|-----------------------|------------------------|-----------------------|
| Voltage (Vac)                      | CH 370500 (1852.5 MHz) |                       | CH 382500 (1912.5 MHz) |                       |
|                                    | Frequency (MHz)        | Frequency Error (ppm) | Frequency (MHz)        | Frequency Error (ppm) |
| 102                                | 1852.500007            | 0.0038                | 1912.500009            | 0.0047                |
| 120                                | 1852.499999            | -0.0005               | 1912.499996            | -0.0021               |
| 138                                | 1852.499991            | -0.0049               | 1912.49999             | -0.0052               |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                        |                       |                        |                       |
|----------------------------------------|------------------------|-----------------------|------------------------|-----------------------|
| Temperature (°C)                       | CH 370500 (1852.5 MHz) |                       | CH 382500 (1912.5 MHz) |                       |
|                                        | Frequency (MHz)        | Frequency Error (ppm) | Frequency (MHz)        | Frequency Error (ppm) |
| -30                                    | 1852.499994            | -0.0032               | 1912.499991            | -0.0047               |
| -20                                    | 1852.500009            | 0.0049                | 1912.500006            | 0.0031                |
| -10                                    | 1852.500007            | 0.0038                | 1912.500003            | 0.0016                |
| 0                                      | 1852.499997            | -0.0016               | 1912.499992            | -0.0042               |
| 10                                     | 1852.499997            | -0.0016               | 1912.499993            | -0.0037               |
| 20                                     | 1852.499993            | -0.0038               | 1912.499994            | -0.0031               |
| 30                                     | 1852.499998            | -0.0011               | 1912.499997            | -0.0016               |
| 40                                     | 1852.5                 | 0                     | 1912.500004            | 0.0021                |
| 50                                     | 1852.500006            | 0.0032                | 1912.500003            | 0.0016                |

**NR n25 SCS 15 kHz, Channel Bandwidth: 10 MHz**

| Frequency Stability Versus Voltage |                      |                       |                      |                       |
|------------------------------------|----------------------|-----------------------|----------------------|-----------------------|
| Voltage (Vac)                      | CH 371000 (1855 MHz) |                       | CH 382000 (1910 MHz) |                       |
|                                    | Frequency (MHz)      | Frequency Error (ppm) | Frequency (MHz)      | Frequency Error (ppm) |
| 102                                | 1855.000003          | 0.0016                | 1909.999999          | -0.0005               |
| 120                                | 1854.999999          | -0.0005               | 1909.999998          | -0.001                |
| 138                                | 1855.000002          | 0.0011                | 1910.000004          | 0.0021                |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                      |                       |                      |                       |
|----------------------------------------|----------------------|-----------------------|----------------------|-----------------------|
| Temperature (°C)                       | CH 371000 (1855 MHz) |                       | CH 382000 (1910 MHz) |                       |
|                                        | Frequency (MHz)      | Frequency Error (ppm) | Frequency (MHz)      | Frequency Error (ppm) |
| -30                                    | 1855.000009          | 0.0049                | 1910.000008          | 0.0042                |
| -20                                    | 1854.999998          | -0.0011               | 1909.999999          | -0.0005               |
| -10                                    | 1855.000005          | 0.0027                | 1910.000007          | 0.0037                |
| 0                                      | 1855                 | 0                     | 1910.000003          | 0.0016                |
| 10                                     | 1854.999993          | -0.0038               | 1909.999993          | -0.0037               |
| 20                                     | 1855.000008          | 0.0043                | 1910.000007          | 0.0037                |
| 30                                     | 1854.999994          | -0.0032               | 1909.999993          | -0.0037               |
| 40                                     | 1855.000002          | 0.0011                | 1910.000003          | 0.0016                |
| 50                                     | 1855.000003          | 0.0016                | 1910.000002          | 0.001                 |

**NR n25 SCS 15 kHz, Channel Bandwidth: 15 MHz**

| Frequency Stability Versus Voltage |                        |                       |                        |                       |
|------------------------------------|------------------------|-----------------------|------------------------|-----------------------|
| Voltage (Vac)                      | CH 371500 (1857.5 MHz) |                       | CH 381500 (1907.5 MHz) |                       |
|                                    | Frequency (MHz)        | Frequency Error (ppm) | Frequency (MHz)        | Frequency Error (ppm) |
| 102                                | 1857.499995            | -0.0027               | 1907.499994            | -0.0031               |
| 120                                | 1857.500009            | 0.0048                | 1907.500006            | 0.0031                |
| 138                                | 1857.499999            | -0.0005               | 1907.500002            | 0.001                 |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                        |                       |                        |                       |
|----------------------------------------|------------------------|-----------------------|------------------------|-----------------------|
| Temperature (°C)                       | CH 371500 (1857.5 MHz) |                       | CH 381500 (1907.5 MHz) |                       |
|                                        | Frequency (MHz)        | Frequency Error (ppm) | Frequency (MHz)        | Frequency Error (ppm) |
| -30                                    | 1857.500007            | 0.0038                | 1907.500003            | 0.0016                |
| -20                                    | 1857.5                 | 0                     | 1907.499999            | -0.0005               |
| -10                                    | 1857.499991            | -0.0048               | 1907.499995            | -0.0026               |
| 0                                      | 1857.500009            | 0.0048                | 1907.500008            | 0.0042                |
| 10                                     | 1857.500008            | 0.0043                | 1907.500004            | 0.0021                |
| 20                                     | 1857.500007            | 0.0038                | 1907.500003            | 0.0016                |
| 30                                     | 1857.500008            | 0.0043                | 1907.500009            | 0.0047                |
| 40                                     | 1857.499993            | -0.0038               | 1907.499994            | -0.0031               |
| 50                                     | 1857.500001            | 0.0005                | 1907.499997            | -0.0016               |

**NR n25 SCS 15 kHz, Channel Bandwidth: 20 MHz**

| Frequency Stability Versus Voltage |                      |                       |                      |                       |
|------------------------------------|----------------------|-----------------------|----------------------|-----------------------|
| Voltage (Vac)                      | CH 372000 (1860 MHz) |                       | CH 381000 (1905 MHz) |                       |
|                                    | Frequency (MHz)      | Frequency Error (ppm) | Frequency (MHz)      | Frequency Error (ppm) |
| 102                                | 1860.00001           | 0.0054                | 1905.000008          | 0.0042                |
| 120                                | 1859.999991          | -0.0048               | 1904.999996          | -0.0021               |
| 138                                | 1859.999993          | -0.0038               | 1904.999997          | -0.0016               |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                      |                       |                      |                       |
|----------------------------------------|----------------------|-----------------------|----------------------|-----------------------|
| Temperature (°C)                       | CH 372000 (1860 MHz) |                       | CH 381000 (1905 MHz) |                       |
|                                        | Frequency (MHz)      | Frequency Error (ppm) | Frequency (MHz)      | Frequency Error (ppm) |
| -30                                    | 1859.999995          | -0.0027               | 1904.999997          | -0.0016               |
| -20                                    | 1859.999992          | -0.0043               | 1904.999993          | -0.0037               |
| -10                                    | 1860.000004          | 0.0022                | 1905.000005          | 0.0026                |
| 0                                      | 1860.000007          | 0.0038                | 1905.000004          | 0.0021                |
| 10                                     | 1859.999999          | -0.0005               | 1905.000003          | 0.0016                |
| 20                                     | 1860.000002          | 0.0011                | 1905.000005          | 0.0026                |
| 30                                     | 1859.999995          | -0.0027               | 1904.999992          | -0.0042               |
| 40                                     | 1860.000004          | 0.0022                | 1905.000009          | 0.0047                |
| 50                                     | 1860.000002          | 0.0011                | 1905.000007          | 0.0037                |

**NR n25 SCS 15 kHz, Channel Bandwidth: 25 MHz**

| Frequency Stability Versus Voltage |                        |                       |                        |                       |
|------------------------------------|------------------------|-----------------------|------------------------|-----------------------|
| Voltage (Vac)                      | CH 372500 (1862.5 MHz) |                       | CH 380500 (1902.5 MHz) |                       |
|                                    | Frequency (MHz)        | Frequency Error (ppm) | Frequency (MHz)        | Frequency Error (ppm) |
| 102                                | 1862.499992            | -0.0043               | 1902.499996            | -0.0021               |
| 120                                | 1862.500003            | 0.0016                | 1902.500006            | 0.0032                |
| 138                                | 1862.499992            | -0.0043               | 1902.499999            | -0.0053               |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                        |                       |                        |                       |
|----------------------------------------|------------------------|-----------------------|------------------------|-----------------------|
| Temperature (°C)                       | CH 372500 (1862.5 MHz) |                       | CH 380500 (1902.5 MHz) |                       |
|                                        | Frequency (MHz)        | Frequency Error (ppm) | Frequency (MHz)        | Frequency Error (ppm) |
| -30                                    | 1862.500002            | 0.0011                | 1902.500004            | 0.0021                |
| -20                                    | 1862.500007            | 0.0038                | 1902.500007            | 0.0037                |
| -10                                    | 1862.500004            | 0.0021                | 1902.500006            | 0.0032                |
| 0                                      | 1862.500001            | 0.0054                | 1902.500008            | 0.0042                |
| 10                                     | 1862.499996            | -0.0021               | 1902.499993            | -0.0037               |
| 20                                     | 1862.500003            | 0.0016                | 1902.500007            | 0.0037                |
| 30                                     | 1862.500006            | 0.0032                | 1902.500006            | 0.0032                |
| 40                                     | 1862.499998            | -0.0011               | 1902.499997            | -0.0016               |
| 50                                     | 1862.500007            | 0.0038                | 1902.500006            | 0.0032                |



**NR n25 SCS 15 kHz, Channel Bandwidth: 30 MHz**

| Frequency Stability Versus Voltage |                      |                       |                      |                       |
|------------------------------------|----------------------|-----------------------|----------------------|-----------------------|
| Voltage (Vac)                      | CH 373000 (1865 MHz) |                       | CH 380000 (1900 MHz) |                       |
|                                    | Frequency (MHz)      | Frequency Error (ppm) | Frequency (MHz)      | Frequency Error (ppm) |
| 102                                | 1865.000004          | 0.0021                | 1900.000009          | 0.0047                |
| 120                                | 1865.000008          | 0.0043                | 1900.000009          | 0.0047                |
| 138                                | 1865.000006          | 0.0032                | 1900.000004          | 0.0021                |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                      |                       |                      |                       |
|----------------------------------------|----------------------|-----------------------|----------------------|-----------------------|
| Temperature (°C)                       | CH 373000 (1865 MHz) |                       | CH 380000 (1900 MHz) |                       |
|                                        | Frequency (MHz)      | Frequency Error (ppm) | Frequency (MHz)      | Frequency Error (ppm) |
| -30                                    | 1864.999996          | -0.0021               | 1899.999999          | -0.0005               |
| -20                                    | 1865.000001          | 0.0054                | 1900.000007          | 0.0037                |
| -10                                    | 1865.000005          | 0.0027                | 1900.000002          | 0.0011                |
| 0                                      | 1864.999999          | -0.0054               | 1899.999999          | -0.0053               |
| 10                                     | 1865.000007          | 0.0038                | 1900.000005          | 0.0026                |
| 20                                     | 1865.000007          | 0.0038                | 1900.000002          | 0.0011                |
| 30                                     | 1865.000009          | 0.0048                | 1900.000007          | 0.0037                |
| 40                                     | 1865.000009          | 0.0048                | 1900.000008          | 0.0042                |
| 50                                     | 1864.999992          | -0.0043               | 1899.999999          | -0.0053               |

**NR n25 SCS 15 kHz, Channel Bandwidth: 35 MHz**

| Frequency Stability Versus Voltage |                        |                       |                        |                       |
|------------------------------------|------------------------|-----------------------|------------------------|-----------------------|
| Voltage (Vac)                      | CH 373500 (1867.5 MHz) |                       | CH 379500 (1897.5 MHz) |                       |
|                                    | Frequency (MHz)        | Frequency Error (ppm) | Frequency (MHz)        | Frequency Error (ppm) |
| 102                                | 1867.500002            | 0.0011                | 1897.500002            | 0.0011                |
| 120                                | 1867.500005            | 0.0027                | 1897.500001            | 0.0005                |
| 138                                | 1867.499997            | -0.0016               | 1897.499997            | -0.0016               |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                        |                       |                        |                       |
|----------------------------------------|------------------------|-----------------------|------------------------|-----------------------|
| Temperature (°C)                       | CH 373500 (1867.5 MHz) |                       | CH 379500 (1897.5 MHz) |                       |
|                                        | Frequency (MHz)        | Frequency Error (ppm) | Frequency (MHz)        | Frequency Error (ppm) |
| -30                                    | 1867.500001            | 0.0005                | 1897.500003            | 0.0016                |
| -20                                    | 1867.499994            | -0.0032               | 1897.499999            | -0.0053               |
| -10                                    | 1867.500008            | 0.0043                | 1897.500006            | 0.0032                |
| 0                                      | 1867.500004            | 0.0021                | 1897.5                 | 0                     |
| 10                                     | 1867.499994            | -0.0032               | 1897.499992            | -0.0042               |
| 20                                     | 1867.500001            | 0.0005                | 1897.500001            | 0.0005                |
| 30                                     | 1867.5                 | 0                     | 1897.500001            | 0.0005                |
| 40                                     | 1867.499996            | -0.0021               | 1897.499996            | -0.0021               |
| 50                                     | 1867.500002            | 0.0011                | 1897.500006            | 0.0032                |

**NR n25 SCS 15 kHz, Channel Bandwidth: 40 MHz**

| Frequency Stability Versus Voltage |                      |                       |                      |                       |
|------------------------------------|----------------------|-----------------------|----------------------|-----------------------|
| Voltage (Vac)                      | CH 374000 (1870 MHz) |                       | CH 379000 (1895 MHz) |                       |
|                                    | Frequency (MHz)      | Frequency Error (ppm) | Frequency (MHz)      | Frequency Error (ppm) |
| 102                                | 1870.000003          | 0.0016                | 1895.000004          | 0.0021                |
| 120                                | 1870.000008          | 0.0043                | 1895.000001          | 0.0053                |
| 138                                | 1870.000006          | 0.0032                | 1895.000007          | 0.0037                |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                      |                       |                      |                       |
|----------------------------------------|----------------------|-----------------------|----------------------|-----------------------|
| Temperature (°C)                       | CH 374000 (1870 MHz) |                       | CH 379000 (1895 MHz) |                       |
|                                        | Frequency (MHz)      | Frequency Error (ppm) | Frequency (MHz)      | Frequency Error (ppm) |
| -30                                    | 1869.999992          | -0.0043               | 1894.999994          | -0.0032               |
| -20                                    | 1869.999995          | -0.0027               | 1894.999992          | -0.0042               |
| -10                                    | 1870.000007          | 0.0037                | 1895.000008          | 0.0042                |
| 0                                      | 1869.999991          | -0.0048               | 1894.999995          | -0.0026               |
| 10                                     | 1870.000009          | 0.0048                | 1895.000006          | 0.0032                |
| 20                                     | 1869.999998          | -0.0011               | 1894.999994          | -0.0032               |
| 30                                     | 1869.999991          | -0.0048               | 1894.999994          | -0.0032               |
| 40                                     | 1870.000006          | 0.0032                | 1895.000004          | 0.0021                |
| 50                                     | 1870                 | 0                     | 1895.000003          | 0.0016                |

## 7.8.2 NR n41 SCS 30 kHz

### NR n41 SCS 30 kHz, Channel Bandwidth: 10 MHz

| Frequency Stability Versus Voltage |                         |                       |                      |                       |
|------------------------------------|-------------------------|-----------------------|----------------------|-----------------------|
| Voltage (Vac)                      | CH 500202 (2501.01 MHz) |                       | CH 537000 (2685 MHz) |                       |
|                                    | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)      | Frequency Error (ppm) |
| 102                                | 2501.009996             | -0.0016               | 2684.999998          | -0.0007               |
| 120                                | 2501.009995             | -0.002                | 2684.999997          | -0.0011               |
| 138                                | 2501.009996             | -0.0016               | 2684.999996          | -0.0015               |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                         |                       |                      |                       |
|----------------------------------------|-------------------------|-----------------------|----------------------|-----------------------|
| Temperature (°C)                       | CH 500202 (2501.01 MHz) |                       | CH 537000 (2685 MHz) |                       |
|                                        | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)      | Frequency Error (ppm) |
| -30                                    | 2501.009996             | -0.0016               | 2685.000001          | 0.0004                |
| -20                                    | 2501.010007             | 0.0028                | 2685.000004          | 0.0015                |
| -10                                    | 2501.009993             | -0.0028               | 2684.999994          | -0.0022               |
| 0                                      | 2501.009995             | -0.002                | 2684.999995          | -0.0019               |
| 10                                     | 2501.010002             | 0.0008                | 2684.999999          | -0.0004               |
| 20                                     | 2501.009999             | -0.0004               | 2685.000002          | 0.0007                |
| 30                                     | 2501.010006             | 0.0024                | 2685.000003          | 0.0011                |
| 40                                     | 2501.009995             | -0.002                | 2684.999994          | -0.0022               |
| 50                                     | 2501.010007             | 0.0028                | 2685.000007          | 0.0026                |

**NR n41 SCS 30 kHz, Channel Bandwidth: 15 MHz**

| Frequency Stability Versus Voltage |                        |                       |                         |                       |
|------------------------------------|------------------------|-----------------------|-------------------------|-----------------------|
| Voltage (Vac)                      | CH 500700 (2503.5 MHz) |                       | CH 536496 (2682.48 MHz) |                       |
|                                    | Frequency (MHz)        | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| 102                                | 2503.499997            | -0.0012               | 2682.479998             | -0.0007               |
| 120                                | 2503.499995            | -0.002                | 2682.479996             | -0.0015               |
| 138                                | 2503.500009            | 0.0036                | 2682.480005             | 0.0019                |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                        |                       |                         |                       |
|----------------------------------------|------------------------|-----------------------|-------------------------|-----------------------|
| Temperature (°C)                       | CH 500700 (2503.5 MHz) |                       | CH 536496 (2682.48 MHz) |                       |
|                                        | Frequency (MHz)        | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| -30                                    | 2503.500008            | 0.0032                | 2682.480008             | 0.003                 |
| -20                                    | 2503.499999            | -0.0004               | 2682.479998             | -0.0007               |
| -10                                    | 2503.499998            | -0.0008               | 2682.479998             | -0.0007               |
| 0                                      | 2503.499994            | -0.0024               | 2682.47999              | -0.0037               |
| 10                                     | 2503.499994            | -0.0024               | 2682.47999              | -0.0037               |
| 20                                     | 2503.500002            | 0.0008                | 2682.48                 | 0                     |
| 30                                     | 2503.500002            | 0.0008                | 2682.480004             | 0.0015                |
| 40                                     | 2503.500005            | 0.002                 | 2682.480006             | 0.0022                |
| 50                                     | 2503.499991            | -0.0036               | 2682.479992             | -0.003                |

**NR n41 SCS 30 kHz, Channel Bandwidth: 20 MHz**

| Frequency Stability Versus Voltage |                         |                       |                         |                       |
|------------------------------------|-------------------------|-----------------------|-------------------------|-----------------------|
| Voltage (Vac)                      | CH 501204 (2506.02 MHz) |                       | CH 535998 (2679.99 MHz) |                       |
|                                    | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| 102                                | 2506.019994             | -0.0024               | 2679.989998             | -0.0007               |
| 120                                | 2506.020006             | 0.0024                | 2679.990007             | 0.0026                |
| 138                                | 2506.02001              | 0.004                 | 2679.990009             | 0.0034                |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                         |                       |                         |                       |
|----------------------------------------|-------------------------|-----------------------|-------------------------|-----------------------|
| Temperature (°C)                       | CH 501204 (2506.02 MHz) |                       | CH 535998 (2679.99 MHz) |                       |
|                                        | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| -30                                    | 2506.020009             | 0.0036                | 2679.990008             | 0.003                 |
| -20                                    | 2506.019999             | -0.0004               | 2679.990004             | 0.0015                |
| -10                                    | 2506.019998             | -0.0008               | 2679.989999             | -0.0004               |
| 0                                      | 2506.020008             | 0.0032                | 2679.990009             | 0.0034                |
| 10                                     | 2506.020008             | 0.0032                | 2679.990009             | 0.0034                |
| 20                                     | 2506.020004             | 0.0016                | 2679.990001             | 0.0004                |
| 30                                     | 2506.02001              | 0.004                 | 2679.990009             | 0.0034                |
| 40                                     | 2506.019992             | -0.0032               | 2679.989992             | -0.003                |
| 50                                     | 2506.020009             | 0.0036                | 2679.990004             | 0.0015                |

**NR n41 SCS 30 kHz, Channel Bandwidth: 30 MHz**

| Frequency Stability Versus Voltage |                      |                       |                         |                       |
|------------------------------------|----------------------|-----------------------|-------------------------|-----------------------|
| Voltage (Vac)                      | CH 502200 (2511 MHz) |                       | CH 534996 (2674.98 MHz) |                       |
|                                    | Frequency (MHz)      | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| 102                                | 2511.000005          | 0.002                 | 2674.98001              | 0.0037                |
| 120                                | 2510.999991          | -0.0036               | 2674.979994             | -0.0022               |
| 138                                | 2511.000005          | 0.002                 | 2674.980009             | 0.0034                |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                      |                       |                         |                       |
|----------------------------------------|----------------------|-----------------------|-------------------------|-----------------------|
| Temperature (°C)                       | CH 502200 (2511 MHz) |                       | CH 534996 (2674.98 MHz) |                       |
|                                        | Frequency (MHz)      | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| -30                                    | 2510.999992          | -0.0032               | 2674.979996             | -0.0015               |
| -20                                    | 2510.999995          | -0.002                | 2674.979996             | -0.0015               |
| -10                                    | 2510.999994          | -0.0024               | 2674.97999              | -0.0037               |
| 0                                      | 2511.000008          | 0.0032                | 2674.980008             | 0.003                 |
| 10                                     | 2511.000004          | 0.0016                | 2674.980006             | 0.0022                |
| 20                                     | 2511.000003          | 0.0012                | 2674.980006             | 0.0022                |
| 30                                     | 2510.999999          | -0.0004               | 2674.979997             | -0.0011               |
| 40                                     | 2510.999999          | -0.0004               | 2674.979995             | -0.0019               |
| 50                                     | 2510.999996          | -0.0016               | 2674.979994             | -0.0022               |

**NR n41 SCS 30 kHz, Channel Bandwidth: 35 MHz**

| Frequency Stability Versus Voltage |                          |                       |                         |                       |
|------------------------------------|--------------------------|-----------------------|-------------------------|-----------------------|
| Voltage (Vac)                      | CH 502701 (2513.505 MHz) |                       | CH 534498 (2672.49 MHz) |                       |
|                                    | Frequency (MHz)          | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| 102                                | 2513.505002              | 0.0008                | 2672.490004             | 0.0015                |
| 120                                | 2513.505004              | 0.0016                | 2672.490007             | 0.0026                |
| 138                                | 2513.504996              | -0.0016               | 2672.489997             | -0.0011               |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                          |                       |                         |                       |
|----------------------------------------|--------------------------|-----------------------|-------------------------|-----------------------|
| Temperature (°C)                       | CH 502701 (2513.505 MHz) |                       | CH 534498 (2672.49 MHz) |                       |
|                                        | Frequency (MHz)          | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| -30                                    | 2513.504999              | -0.0004               | 2672.489996             | -0.0015               |
| -20                                    | 2513.505006              | 0.0024                | 2672.49001              | 0.0037                |
| -10                                    | 2513.504995              | -0.002                | 2672.489998             | -0.0007               |
| 0                                      | 2513.505008              | 0.0032                | 2672.490004             | 0.0015                |
| 10                                     | 2513.504997              | -0.0012               | 2672.49                 | 0                     |
| 20                                     | 2513.50499               | -0.004                | 2672.489993             | -0.0026               |
| 30                                     | 2513.505                 | 0                     | 2672.489995             | -0.0019               |
| 40                                     | 2513.504999              | -0.0004               | 2672.489998             | -0.0007               |
| 50                                     | 2513.505009              | 0.0036                | 2672.49001              | 0.0037                |



**NR n41 SCS 30 kHz, Channel Bandwidth: 40 MHz**

| Frequency Stability Versus Voltage |                         |                       |                      |                       |
|------------------------------------|-------------------------|-----------------------|----------------------|-----------------------|
| Voltage (Vac)                      | CH 503202 (2516.01 MHz) |                       | CH 534000 (2670 MHz) |                       |
|                                    | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)      | Frequency Error (ppm) |
| 102                                | 2516.010008             | 0.0032                | 2670.000003          | 0.0011                |
| 120                                | 2516.010009             | 0.0036                | 2670.000006          | 0.0022                |
| 138                                | 2516.009991             | -0.0036               | 2669.999999          | -0.0037               |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                         |                       |                      |                       |
|----------------------------------------|-------------------------|-----------------------|----------------------|-----------------------|
| Temperature (°C)                       | CH 503202 (2516.01 MHz) |                       | CH 534000 (2670 MHz) |                       |
|                                        | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)      | Frequency Error (ppm) |
| -30                                    | 2516.009997             | -0.0012               | 2670                 | 0                     |
| -20                                    | 2516.009994             | -0.0024               | 2669.999999          | -0.0004               |
| -10                                    | 2516.010006             | 0.0024                | 2670.000008          | 0.003                 |
| 0                                      | 2516.010009             | 0.0036                | 2670.000007          | 0.0026                |
| 10                                     | 2516.010001             | 0.0004                | 2670.000006          | 0.0022                |
| 20                                     | 2516.010005             | 0.002                 | 2670.000009          | 0.0034                |
| 30                                     | 2516.009998             | -0.0008               | 2669.999996          | -0.0015               |
| 40                                     | 2516.010007             | 0.0028                | 2670.000009          | 0.0034                |
| 50                                     | 2516.010008             | 0.0032                | 2670.000006          | 0.0022                |

**NR n41 SCS 30 kHz, Channel Bandwidth: 50 MHz**

| Frequency Stability Versus Voltage |                         |                       |                         |                       |
|------------------------------------|-------------------------|-----------------------|-------------------------|-----------------------|
| Voltage (Vac)                      | CH 504204 (2521.02 MHz) |                       | CH 532998 (2664.99 MHz) |                       |
|                                    | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| 102                                | 2521.019993             | -0.0028               | 2664.989996             | -0.0015               |
| 120                                | 2521.020009             | 0.0036                | 2664.990009             | 0.0034                |
| 138                                | 2521.020005             | 0.002                 | 2664.990003             | 0.0011                |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                         |                       |                         |                       |
|----------------------------------------|-------------------------|-----------------------|-------------------------|-----------------------|
| Temperature (°C)                       | CH 504204 (2521.02 MHz) |                       | CH 532998 (2664.99 MHz) |                       |
|                                        | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| -30                                    | 2521.020001             | 0.0004                | 2664.990001             | 0.0004                |
| -20                                    | 2521.020007             | 0.0028                | 2664.990003             | 0.0011                |
| -10                                    | 2521.020006             | 0.0024                | 2664.990004             | 0.0015                |
| 0                                      | 2521.020002             | 0.0008                | 2664.990001             | 0.0004                |
| 10                                     | 2521.019998             | -0.0008               | 2664.989994             | -0.0023               |
| 20                                     | 2521.019992             | -0.0032               | 2664.989992             | -0.003                |
| 30                                     | 2521.019991             | -0.0036               | 2664.989995             | -0.0019               |
| 40                                     | 2521.01999              | -0.004                | 2664.989991             | -0.0034               |
| 50                                     | 2521.020005             | 0.002                 | 2664.990003             | 0.0011                |

**NR n41 SCS 30 kHz, Channel Bandwidth: 60 MHz**

| Frequency Stability Versus Voltage |                      |                       |                         |                       |
|------------------------------------|----------------------|-----------------------|-------------------------|-----------------------|
| Voltage (Vac)                      | CH 505200 (2526 MHz) |                       | CH 531996 (2659.98 MHz) |                       |
|                                    | Frequency (MHz)      | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| 102                                | 2525.999999          | -0.0004               | 2659.980003             | 0.0011                |
| 120                                | 2525.999999          | -0.0004               | 2659.980002             | 0.0008                |
| 138                                | 2525.999998          | -0.0008               | 2659.980002             | 0.0008                |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                      |                       |                         |                       |
|----------------------------------------|----------------------|-----------------------|-------------------------|-----------------------|
| Temperature (°C)                       | CH 505200 (2526 MHz) |                       | CH 531996 (2659.98 MHz) |                       |
|                                        | Frequency (MHz)      | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| -30                                    | 2525.999994          | -0.0024               | 2659.979996             | -0.0015               |
| -20                                    | 2525.999994          | -0.0024               | 2659.979993             | -0.0026               |
| -10                                    | 2525.999996          | -0.0016               | 2659.979998             | -0.0008               |
| 0                                      | 2525.999997          | -0.0012               | 2659.98                 | 0                     |
| 10                                     | 2525.999999          | -0.0004               | 2659.980001             | 0.0004                |
| 20                                     | 2526.000006          | 0.0024                | 2659.980008             | 0.003                 |
| 30                                     | 2526.000009          | 0.0036                | 2659.980007             | 0.0026                |
| 40                                     | 2526.000001          | 0.0004                | 2659.980006             | 0.0023                |
| 50                                     | 2526.000001          | 0.004                 | 2659.980007             | 0.0026                |

**NR n41 SCS 30 kHz, Channel Bandwidth: 70 MHz**

| Frequency Stability Versus Voltage |                         |                       |                      |                       |
|------------------------------------|-------------------------|-----------------------|----------------------|-----------------------|
| Voltage (Vac)                      | CH 506202 (2531.01 MHz) |                       | CH 531000 (2655 MHz) |                       |
|                                    | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)      | Frequency Error (ppm) |
| 102                                | 2531.010003             | 0.0012                | 2655.000003          | 0.0011                |
| 120                                | 2531.009992             | -0.0032               | 2654.99999           | -0.0038               |
| 138                                | 2531.009995             | -0.002                | 2654.999994          | -0.0023               |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                         |                       |                      |                       |
|----------------------------------------|-------------------------|-----------------------|----------------------|-----------------------|
| Temperature (°C)                       | CH 506202 (2531.01 MHz) |                       | CH 531000 (2655 MHz) |                       |
|                                        | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)      | Frequency Error (ppm) |
| -30                                    | 2531.009994             | -0.0024               | 2654.999997          | -0.0011               |
| -20                                    | 2531.010008             | 0.0032                | 2655.000007          | 0.0026                |
| -10                                    | 2531.010004             | 0.0016                | 2655.000007          | 0.0026                |
| 0                                      | 2531.01001              | 0.004                 | 2655.000008          | 0.003                 |
| 10                                     | 2531.010006             | 0.0024                | 2655.000009          | 0.0034                |
| 20                                     | 2531.009992             | -0.0032               | 2654.999996          | -0.0015               |
| 30                                     | 2531.010009             | 0.0036                | 2655.000008          | 0.003                 |
| 40                                     | 2531.010007             | 0.0028                | 2655.000006          | 0.0023                |
| 50                                     | 2531.009998             | -0.0008               | 2654.999993          | -0.0026               |

**NR n41 SCS 30 kHz, Channel Bandwidth: 80 MHz**

| Frequency Stability Versus Voltage |                         |                       |                         |                       |
|------------------------------------|-------------------------|-----------------------|-------------------------|-----------------------|
| Voltage (Vac)                      | CH 507204 (2536.02 MHz) |                       | CH 529998 (2649.99 MHz) |                       |
|                                    | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| 102                                | 2536.020007             | 0.0028                | 2649.990004             | 0.0015                |
| 120                                | 2536.019991             | -0.0035               | 2649.989992             | -0.003                |
| 138                                | 2536.019995             | -0.002                | 2649.989993             | -0.0026               |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                         |                       |                         |                       |
|----------------------------------------|-------------------------|-----------------------|-------------------------|-----------------------|
| Temperature (°C)                       | CH 507204 (2536.02 MHz) |                       | CH 529998 (2649.99 MHz) |                       |
|                                        | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| -30                                    | 2536.01999              | -0.0039               | 2649.989993             | -0.0026               |
| -20                                    | 2536.02                 | 0                     | 2649.990004             | 0.0015                |
| -10                                    | 2536.019999             | -0.0004               | 2649.990003             | 0.0011                |
| 0                                      | 2536.019995             | -0.002                | 2649.989995             | -0.0019               |
| 10                                     | 2536.019995             | -0.002                | 2649.989992             | -0.003                |
| 20                                     | 2536.019992             | -0.0032               | 2649.989992             | -0.003                |
| 30                                     | 2536.019998             | -0.0008               | 2649.990001             | 0.0004                |
| 40                                     | 2536.02                 | 0                     | 2649.990002             | 0.0008                |
| 50                                     | 2536.020007             | 0.0028                | 2649.99001              | 0.0038                |

**NR n41 SCS 30 kHz, Channel Bandwidth: 90 MHz**

| Frequency Stability Versus Voltage |                      |                       |                         |                       |
|------------------------------------|----------------------|-----------------------|-------------------------|-----------------------|
| Voltage (Vac)                      | CH 508200 (2541 MHz) |                       | CH 528996 (2644.98 MHz) |                       |
|                                    | Frequency (MHz)      | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| 102                                | 2541.000004          | 0.0016                | 2644.979999             | -0.0004               |
| 120                                | 2540.999991          | -0.0035               | 2644.979991             | -0.0034               |
| 138                                | 2541                 | 0                     | 2644.980002             | 0.0008                |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                      |                       |                         |                       |
|----------------------------------------|----------------------|-----------------------|-------------------------|-----------------------|
| Temperature (°C)                       | CH 508200 (2541 MHz) |                       | CH 528996 (2644.98 MHz) |                       |
|                                        | Frequency (MHz)      | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| -30                                    | 2540.999992          | -0.0031               | 2644.979995             | -0.0019               |
| -20                                    | 2540.999996          | -0.0016               | 2644.979997             | -0.0011               |
| -10                                    | 2540.999995          | -0.002                | 2644.979994             | -0.0023               |
| 0                                      | 2541.000005          | 0.002                 | 2644.980009             | 0.0034                |
| 10                                     | 2541.000004          | 0.0016                | 2644.980002             | 0.0008                |
| 20                                     | 2540.999999          | -0.0004               | 2644.979999             | -0.0004               |
| 30                                     | 2540.999999          | -0.0004               | 2644.979999             | -0.0004               |
| 40                                     | 2540.999995          | -0.002                | 2644.979991             | -0.0034               |
| 50                                     | 2540.999995          | -0.002                | 2644.979998             | -0.0008               |

**NR n41 SCS 30 kHz, Channel Bandwidth: 100 MHz**

| Frequency Stability Versus Voltage |                         |                       |                      |                       |
|------------------------------------|-------------------------|-----------------------|----------------------|-----------------------|
| Voltage (Vac)                      | CH 509202 (2546.01 MHz) |                       | CH 528000 (2640 MHz) |                       |
|                                    | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)      | Frequency Error (ppm) |
| 102                                | 2546.009997             | -0.0012               | 2639.999993          | -0.0027               |
| 120                                | 2546.009998             | -0.0008               | 2639.999998          | -0.0008               |
| 138                                | 2546.01                 | 0                     | 2639.999999          | -0.0004               |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                         |                       |                      |                       |
|----------------------------------------|-------------------------|-----------------------|----------------------|-----------------------|
| Temperature (°C)                       | CH 509202 (2546.01 MHz) |                       | CH 528000 (2640 MHz) |                       |
|                                        | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)      | Frequency Error (ppm) |
| -30                                    | 2546.010007             | 0.0027                | 2640.000006          | 0.0023                |
| -20                                    | 2546.01001              | 0.0039                | 2640.000007          | 0.0027                |
| -10                                    | 2546.010002             | 0.0008                | 2640.000007          | 0.0027                |
| 0                                      | 2546.010006             | 0.0024                | 2640.000007          | 0.0027                |
| 10                                     | 2546.010008             | 0.0031                | 2640.000004          | 0.0015                |
| 20                                     | 2546.010005             | 0.002                 | 2640.000007          | 0.0027                |
| 30                                     | 2546.01                 | 0                     | 2639.999997          | -0.0011               |
| 40                                     | 2546.010005             | 0.002                 | 2640.000002          | 0.0008                |
| 50                                     | 2546.009999             | -0.0004               | 2640.000001          | 0.0004                |

### 7.8.3 NR n66 SCS 15 kHz

#### NR n66 SCS 15 kHz, Channel Bandwidth: 5 MHz

| Frequency Stability Versus Voltage |                        |                       |                        |                       |
|------------------------------------|------------------------|-----------------------|------------------------|-----------------------|
| Voltage (Vac)                      | CH 342500 (1712.5 MHz) |                       | CH 355500 (1777.5 MHz) |                       |
|                                    | Frequency (MHz)        | Frequency Error (ppm) | Frequency (MHz)        | Frequency Error (ppm) |
| 102                                | 1712.499997            | -0.0018               | 1777.499999            | -0.0006               |
| 120                                | 1712.499998            | -0.0012               | 1777.500001            | 0.0006                |
| 138                                | 1712.499995            | -0.0029               | 1777.499999            | -0.0056               |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                        |                       |                        |                       |
|----------------------------------------|------------------------|-----------------------|------------------------|-----------------------|
| Temperature (°C)                       | CH 342500 (1712.5 MHz) |                       | CH 355500 (1777.5 MHz) |                       |
|                                        | Frequency (MHz)        | Frequency Error (ppm) | Frequency (MHz)        | Frequency Error (ppm) |
| -30                                    | 1712.500009            | 0.0053                | 1777.500007            | 0.0039                |
| -20                                    | 1712.500002            | 0.0012                | 1777.499997            | -0.0017               |
| -10                                    | 1712.5                 | 0                     | 1777.500001            | 0.0006                |
| 0                                      | 1712.5                 | 0                     | 1777.500002            | 0.0011                |
| 10                                     | 1712.500006            | 0.0035                | 1777.500002            | 0.0011                |
| 20                                     | 1712.5                 | 0                     | 1777.5                 | 0                     |
| 30                                     | 1712.500004            | 0.0023                | 1777.500008            | 0.0045                |
| 40                                     | 1712.500006            | 0.0035                | 1777.500005            | 0.0028                |
| 50                                     | 1712.500003            | 0.0018                | 1777.499998            | -0.0011               |



**NR n66 SCS 15 kHz, Channel Bandwidth: 10 MHz**

| Frequency Stability Versus Voltage |                      |                       |                      |                       |
|------------------------------------|----------------------|-----------------------|----------------------|-----------------------|
| Voltage (Vac)                      | CH 343000 (1715 MHz) |                       | CH 355000 (1775 MHz) |                       |
|                                    | Frequency (MHz)      | Frequency Error (ppm) | Frequency (MHz)      | Frequency Error (ppm) |
| 102                                | 1714.999998          | -0.0012               | 1775.000001          | 0.0006                |
| 120                                | 1715.000008          | 0.0047                | 1775.00001           | 0.0056                |
| 138                                | 1714.999996          | -0.0023               | 1774.999996          | -0.0023               |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                      |                       |                      |                       |
|----------------------------------------|----------------------|-----------------------|----------------------|-----------------------|
| Temperature (°C)                       | CH 343000 (1715 MHz) |                       | CH 355000 (1775 MHz) |                       |
|                                        | Frequency (MHz)      | Frequency Error (ppm) | Frequency (MHz)      | Frequency Error (ppm) |
| -30                                    | 1714.999999          | -0.0006               | 1774.999998          | -0.0011               |
| -20                                    | 1715.000001          | 0.0006                | 1774.999998          | -0.0011               |
| -10                                    | 1714.999992          | -0.0047               | 1774.99999           | -0.0056               |
| 0                                      | 1715.000007          | 0.0041                | 1775.000003          | 0.0017                |
| 10                                     | 1714.999991          | -0.0052               | 1774.99999           | -0.0056               |
| 20                                     | 1714.999999          | -0.0006               | 1774.999999          | -0.0006               |
| 30                                     | 1714.999997          | -0.0017               | 1775                 | 0                     |
| 40                                     | 1714.999992          | -0.0047               | 1774.999997          | -0.0017               |
| 50                                     | 1715.000003          | 0.0017                | 1775.000001          | 0.0006                |

# NR n66 SCS 15 kHz, Channel Bandwidth: 15 MHz

| Frequency Stability Versus Voltage |                        |                       |                        |                       |
|------------------------------------|------------------------|-----------------------|------------------------|-----------------------|
| Voltage (Vac)                      | CH 343500 (1717.5 MHz) |                       | CH 354500 (1772.5 MHz) |                       |
|                                    | Frequency (MHz)        | Frequency Error (ppm) | Frequency (MHz)        | Frequency Error (ppm) |
| 102                                | 1717.500003            | 0.0017                | 1772.499998            | -0.0011               |
| 120                                | 1717.500002            | 0.0012                | 1772.500004            | 0.0023                |
| 138                                | 1717.500009            | 0.0052                | 1772.500005            | 0.0028                |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                        |                       |                        |                       |
|----------------------------------------|------------------------|-----------------------|------------------------|-----------------------|
| Temperature (°C)                       | CH 343500 (1717.5 MHz) |                       | CH 354500 (1772.5 MHz) |                       |
|                                        | Frequency (MHz)        | Frequency Error (ppm) | Frequency (MHz)        | Frequency Error (ppm) |
| -30                                    | 1717.500001            | 0.0006                | 1772.500004            | 0.0023                |
| -20                                    | 1717.500001            | 0.0006                | 1772.499999            | -0.0006               |
| -10                                    | 1717.500006            | 0.0035                | 1772.500003            | 0.0017                |
| 0                                      | 1717.499998            | -0.0012               | 1772.500003            | 0.0017                |
| 10                                     | 1717.500002            | 0.0012                | 1772.500006            | 0.0034                |
| 20                                     | 1717.500003            | 0.0017                | 1772.500005            | 0.0028                |
| 30                                     | 1717.499995            | -0.0029               | 1772.499997            | -0.0017               |
| 40                                     | 1717.500009            | 0.0052                | 1772.500005            | 0.0028                |
| 50                                     | 1717.500001            | 0.0058                | 1772.500001            | 0.0056                |

# NR n66 SCS 15 kHz, Channel Bandwidth: 20 MHz

| Frequency Stability Versus Voltage |                      |                       |                      |                       |
|------------------------------------|----------------------|-----------------------|----------------------|-----------------------|
| Voltage (Vac)                      | CH 344000 (1720 MHz) |                       | CH 354000 (1770 MHz) |                       |
|                                    | Frequency (MHz)      | Frequency Error (ppm) | Frequency (MHz)      | Frequency Error (ppm) |
| 102                                | 1719.999996          | -0.0023               | 1769.999996          | -0.0023               |
| 120                                | 1720.000005          | 0.0029                | 1770.000001          | 0.0006                |
| 138                                | 1719.999997          | -0.0017               | 1770                 | 0                     |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                      |                       |                      |                       |
|----------------------------------------|----------------------|-----------------------|----------------------|-----------------------|
| Temperature (°C)                       | CH 344000 (1720 MHz) |                       | CH 354000 (1770 MHz) |                       |
|                                        | Frequency (MHz)      | Frequency Error (ppm) | Frequency (MHz)      | Frequency Error (ppm) |
| -30                                    | 1720                 | 0                     | 1770.000002          | 0.0011                |
| -20                                    | 1719.999993          | -0.0041               | 1769.999997          | -0.0017               |
| -10                                    | 1719.999996          | -0.0023               | 1769.999998          | -0.0011               |
| 0                                      | 1720.000006          | 0.0035                | 1770.000001          | 0.0056                |
| 10                                     | 1720.000005          | 0.0029                | 1770.000003          | 0.0017                |
| 20                                     | 1720.000004          | 0.0023                | 1770.000006          | 0.0034                |
| 30                                     | 1720.000004          | 0.0023                | 1770.000007          | 0.004                 |
| 40                                     | 1719.999995          | -0.0029               | 1769.999994          | -0.0034               |
| 50                                     | 1720                 | 0                     | 1769.999996          | -0.0023               |

**NR n66 SCS 15 kHz, Channel Bandwidth: 25 MHz**

| Frequency Stability Versus Voltage |                        |                       |                        |                       |
|------------------------------------|------------------------|-----------------------|------------------------|-----------------------|
| Voltage (Vac)                      | CH 344500 (1722.5 MHz) |                       | CH 353500 (1767.5 MHz) |                       |
|                                    | Frequency (MHz)        | Frequency Error (ppm) | Frequency (MHz)        | Frequency Error (ppm) |
| 102                                | 1722.499997            | -0.0017               | 1767.499995            | -0.0028               |
| 120                                | 1722.500003            | 0.0017                | 1767.500005            | 0.0028                |
| 138                                | 1722.500005            | 0.0029                | 1767.500006            | 0.0034                |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                        |                       |                        |                       |
|----------------------------------------|------------------------|-----------------------|------------------------|-----------------------|
| Temperature (°C)                       | CH 344500 (1722.5 MHz) |                       | CH 353500 (1767.5 MHz) |                       |
|                                        | Frequency (MHz)        | Frequency Error (ppm) | Frequency (MHz)        | Frequency Error (ppm) |
| -30                                    | 1722.499992            | -0.0046               | 1767.499993            | -0.004                |
| -20                                    | 1722.5                 | 0                     | 1767.499997            | -0.0017               |
| -10                                    | 1722.500007            | 0.0041                | 1767.50001             | 0.0057                |
| 0                                      | 1722.500007            | 0.0041                | 1767.500006            | 0.0034                |
| 10                                     | 1722.499992            | -0.0046               | 1767.499995            | -0.0028               |
| 20                                     | 1722.499991            | -0.0052               | 1767.499991            | -0.0051               |
| 30                                     | 1722.500001            | 0.0006                | 1767.499997            | -0.0017               |
| 40                                     | 1722.499994            | -0.0035               | 1767.499994            | -0.0034               |
| 50                                     | 1722.49999             | -0.0058               | 1767.499991            | -0.0051               |

**NR n66 SCS 15 kHz, Channel Bandwidth: 30 MHz**

| Frequency Stability Versus Voltage |                      |                       |                      |                       |
|------------------------------------|----------------------|-----------------------|----------------------|-----------------------|
| Voltage (Vac)                      | CH 345000 (1725 MHz) |                       | CH 353000 (1765 MHz) |                       |
|                                    | Frequency (MHz)      | Frequency Error (ppm) | Frequency (MHz)      | Frequency Error (ppm) |
| 102                                | 1725.00001           | 0.0058                | 1765.00001           | 0.0057                |
| 120                                | 1724.99999           | -0.0058               | 1764.999993          | -0.004                |
| 138                                | 1725.000001          | 0.0006                | 1764.999999          | -0.0006               |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                      |                       |                      |                       |
|----------------------------------------|----------------------|-----------------------|----------------------|-----------------------|
| Temperature (°C)                       | CH 345000 (1725 MHz) |                       | CH 353000 (1765 MHz) |                       |
|                                        | Frequency (MHz)      | Frequency Error (ppm) | Frequency (MHz)      | Frequency Error (ppm) |
| -30                                    | 1724.999999          | -0.0006               | 1765                 | 0                     |
| -20                                    | 1725                 | 0                     | 1765.000002          | 0.0011                |
| -10                                    | 1724.999991          | -0.0052               | 1764.999993          | -0.004                |
| 0                                      | 1725                 | 0                     | 1765.000002          | 0.0011                |
| 10                                     | 1724.999993          | -0.0041               | 1764.999994          | -0.0034               |
| 20                                     | 1724.999995          | -0.0029               | 1764.999994          | -0.0034               |
| 30                                     | 1725.000005          | 0.0029                | 1765.000009          | 0.0051                |
| 40                                     | 1725.000004          | 0.0023                | 1765.000002          | 0.0011                |
| 50                                     | 1724.999995          | -0.0029               | 1764.999995          | -0.0028               |

**NR n66 SCS 15 kHz, Channel Bandwidth: 35 MHz**

| Frequency Stability Versus Voltage |                        |                       |                        |                       |
|------------------------------------|------------------------|-----------------------|------------------------|-----------------------|
| Voltage (Vac)                      | CH 345500 (1727.5 MHz) |                       | CH 352500 (1762.5 MHz) |                       |
|                                    | Frequency (MHz)        | Frequency Error (ppm) | Frequency (MHz)        | Frequency Error (ppm) |
| 102                                | 1727.5                 | 0                     | 1762.500001            | 0.0006                |
| 120                                | 1727.499996            | -0.0023               | 1762.499995            | -0.0028               |
| 138                                | 1727.500001            | 0.0006                | 1762.500005            | 0.0028                |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                        |                       |                        |                       |
|----------------------------------------|------------------------|-----------------------|------------------------|-----------------------|
| Temperature (°C)                       | CH 345500 (1727.5 MHz) |                       | CH 352500 (1762.5 MHz) |                       |
|                                        | Frequency (MHz)        | Frequency Error (ppm) | Frequency (MHz)        | Frequency Error (ppm) |
| -30                                    | 1727.499998            | -0.0012               | 1762.499997            | -0.0017               |
| -20                                    | 1727.500004            | 0.0023                | 1762.500004            | 0.0023                |
| -10                                    | 1727.500001            | 0.0006                | 1762.5                 | 0                     |
| 0                                      | 1727.500007            | 0.0041                | 1762.500006            | 0.0034                |
| 10                                     | 1727.499999            | -0.0058               | 1762.499995            | -0.0028               |
| 20                                     | 1727.500003            | 0.0017                | 1762.500002            | 0.0011                |
| 30                                     | 1727.500006            | 0.0035                | 1762.500007            | 0.004                 |
| 40                                     | 1727.499999            | -0.0006               | 1762.500003            | 0.0017                |
| 50                                     | 1727.499992            | -0.0046               | 1762.499995            | -0.0028               |

**NR n66 SCS 15 kHz, Channel Bandwidth: 40 MHz**

| Frequency Stability Versus Voltage |                      |                       |                      |                       |
|------------------------------------|----------------------|-----------------------|----------------------|-----------------------|
| Voltage (Vac)                      | CH 346000 (1730 MHz) |                       | CH 352000 (1760 MHz) |                       |
|                                    | Frequency (MHz)      | Frequency Error (ppm) | Frequency (MHz)      | Frequency Error (ppm) |
| 102                                | 1730.000005          | 0.0029                | 1760.000005          | 0.0028                |
| 120                                | 1730.000001          | 0.0006                | 1759.999996          | -0.0023               |
| 138                                | 1729.999994          | -0.0035               | 1759.999994          | -0.0034               |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                      |                       |                      |                       |
|----------------------------------------|----------------------|-----------------------|----------------------|-----------------------|
| Temperature (°C)                       | CH 346000 (1730 MHz) |                       | CH 352000 (1760 MHz) |                       |
|                                        | Frequency (MHz)      | Frequency Error (ppm) | Frequency (MHz)      | Frequency Error (ppm) |
| -30                                    | 1730.000001          | 0.0058                | 1760.000009          | 0.0051                |
| -20                                    | 1730.000009          | 0.0052                | 1760.000008          | 0.0045                |
| -10                                    | 1730.000006          | 0.0035                | 1760.000001          | 0.0006                |
| 0                                      | 1730.000006          | 0.0035                | 1760.000008          | 0.0045                |
| 10                                     | 1730.000002          | 0.0012                | 1760.000007          | 0.004                 |
| 20                                     | 1730.000008          | 0.0046                | 1760.000007          | 0.004                 |
| 30                                     | 1729.999991          | -0.0052               | 1759.999994          | -0.0034               |
| 40                                     | 1730.000001          | 0.0006                | 1760.000004          | 0.0023                |
| 50                                     | 1729.999992          | -0.0046               | 1759.999997          | -0.0017               |

**NR n66 SCS 15 kHz, Channel Bandwidth: 45 MHz**

| Frequency Stability Versus Voltage |                        |                       |                        |                       |
|------------------------------------|------------------------|-----------------------|------------------------|-----------------------|
| Voltage (Vac)                      | CH 346500 (1732.5 MHz) |                       | CH 351500 (1757.5 MHz) |                       |
|                                    | Frequency (MHz)        | Frequency Error (ppm) | Frequency (MHz)        | Frequency Error (ppm) |
| 102                                | 1732.500001            | 0.0006                | 1757.500003            | 0.0017                |
| 120                                | 1732.499994            | -0.0035               | 1757.499997            | -0.0017               |
| 138                                | 1732.499998            | -0.0012               | 1757.5                 | 0                     |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                        |                       |                        |                       |
|----------------------------------------|------------------------|-----------------------|------------------------|-----------------------|
| Temperature (°C)                       | CH 346500 (1732.5 MHz) |                       | CH 351500 (1757.5 MHz) |                       |
|                                        | Frequency (MHz)        | Frequency Error (ppm) | Frequency (MHz)        | Frequency Error (ppm) |
| -30                                    | 1732.499996            | -0.0023               | 1757.499995            | -0.0028               |
| -20                                    | 1732.500006            | 0.0035                | 1757.500005            | 0.0028                |
| -10                                    | 1732.499998            | -0.0012               | 1757.499996            | -0.0023               |
| 0                                      | 1732.499996            | -0.0023               | 1757.499994            | -0.0034               |
| 10                                     | 1732.499997            | -0.0017               | 1757.499993            | -0.004                |
| 20                                     | 1732.500009            | 0.0052                | 1757.500005            | 0.0028                |
| 30                                     | 1732.500003            | 0.0017                | 1757.5                 | 0                     |
| 40                                     | 1732.500008            | 0.0046                | 1757.500007            | 0.004                 |
| 50                                     | 1732.5                 | 0                     | 1757.5                 | 0                     |



#### 7.8.4 NR n71 SCS 15 kHz

#### NR n71 SCS 15 kHz, Channel Bandwidth: 5 MHz

| Frequency Stability Versus Voltage |                       |                       |                       |                       |
|------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Voltage (Vac)                      | CH 133100 (665.5 MHz) |                       | CH 139100 (695.5 MHz) |                       |
|                                    | Frequency (MHz)       | Frequency Error (ppm) | Frequency (MHz)       | Frequency Error (ppm) |
| 102                                | 665.499997            | -0.0045               | 695.500001            | 0.0014                |
| 120                                | 665.499998            | -0.003                | 695.499993            | -0.0101               |
| 138                                | 665.500004            | 0.006                 | 695.500005            | 0.0072                |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                       |                       |                       |                       |
|----------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Temperature (°C)                       | CH 133100 (665.5 MHz) |                       | CH 139100 (695.5 MHz) |                       |
|                                        | Frequency (MHz)       | Frequency Error (ppm) | Frequency (MHz)       | Frequency Error (ppm) |
| -30                                    | 665.499998            | -0.003                | 695.500001            | 0.0014                |
| -20                                    | 665.500002            | 0.003                 | 695.500001            | 0.0014                |
| -10                                    | 665.500004            | 0.006                 | 695.500008            | 0.0115                |
| 0                                      | 665.500001            | 0.0015                | 695.500002            | 0.0029                |
| 10                                     | 665.499996            | -0.006                | 695.499991            | -0.0129               |
| 20                                     | 665.500001            | 0.0015                | 695.500006            | 0.0086                |
| 30                                     | 665.499995            | -0.0075               | 695.499998            | -0.0029               |
| 40                                     | 665.499998            | -0.003                | 695.500001            | 0.0014                |
| 50                                     | 665.5                 | 0                     | 695.500001            | 0.0014                |

**NR n71 SCS 15 kHz, Channel Bandwidth: 10 MHz**

| Frequency Stability Versus Voltage |                     |                       |                     |                       |
|------------------------------------|---------------------|-----------------------|---------------------|-----------------------|
| Voltage (Vac)                      | CH 133600 (668 MHz) |                       | CH 138600 (693 MHz) |                       |
|                                    | Frequency (MHz)     | Frequency Error (ppm) | Frequency (MHz)     | Frequency Error (ppm) |
| 102                                | 667.999991          | -0.0135               | 692.999994          | -0.0087               |
| 120                                | 668.000006          | 0.009                 | 693.000008          | 0.0115                |
| 138                                | 667.99999           | -0.015                | 692.999995          | -0.0072               |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                     |                       |                     |                       |
|----------------------------------------|---------------------|-----------------------|---------------------|-----------------------|
| Temperature (°C)                       | CH 133600 (668 MHz) |                       | CH 138600 (693 MHz) |                       |
|                                        | Frequency (MHz)     | Frequency Error (ppm) | Frequency (MHz)     | Frequency Error (ppm) |
| -30                                    | 667.999998          | -0.003                | 693.000001          | 0.0014                |
| -20                                    | 667.999996          | -0.006                | 692.999995          | -0.0072               |
| -10                                    | 667.999997          | -0.0045               | 692.999998          | -0.0029               |
| 0                                      | 668.000002          | 0.003                 | 693.000006          | 0.0087                |
| 10                                     | 667.999996          | -0.006                | 692.999994          | -0.0087               |
| 20                                     | 668.000001          | 0.0015                | 693.000003          | 0.0043                |
| 30                                     | 668.000002          | 0.003                 | 692.999999          | -0.0014               |
| 40                                     | 667.999994          | -0.009                | 692.999994          | -0.0087               |
| 50                                     | 668.000009          | 0.0135                | 693.000007          | 0.0101                |

**NR n71 SCS 15 kHz, Channel Bandwidth: 15 MHz**

| Frequency Stability Versus Voltage |                       |                       |                       |                       |
|------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Voltage (Vac)                      | CH 134100 (670.5 MHz) |                       | CH 138100 (690.5 MHz) |                       |
|                                    | Frequency (MHz)       | Frequency Error (ppm) | Frequency (MHz)       | Frequency Error (ppm) |
| 102                                | 670.499994            | -0.0089               | 690.499999            | -0.0014               |
| 120                                | 670.500002            | 0.003                 | 690.500005            | 0.0072                |
| 138                                | 670.500006            | 0.0089                | 690.500009            | 0.013                 |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                       |                       |                       |                       |
|----------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Temperature (°C)                       | CH 134100 (670.5 MHz) |                       | CH 138100 (690.5 MHz) |                       |
|                                        | Frequency (MHz)       | Frequency Error (ppm) | Frequency (MHz)       | Frequency Error (ppm) |
| -30                                    | 670.500007            | 0.0104                | 690.500008            | 0.0116                |
| -20                                    | 670.499998            | -0.003                | 690.499999            | -0.0014               |
| -10                                    | 670.499993            | -0.0104               | 690.499992            | -0.0116               |
| 0                                      | 670.500003            | 0.0045                | 690.500008            | 0.0116                |
| 10                                     | 670.499991            | -0.0134               | 690.499994            | -0.0087               |
| 20                                     | 670.499998            | -0.003                | 690.5                 | 0                     |
| 30                                     | 670.500001            | 0.0015                | 690.499998            | -0.0029               |
| 40                                     | 670.500008            | 0.0119                | 690.500008            | 0.0116                |
| 50                                     | 670.500008            | 0.0119                | 690.500004            | 0.0058                |

**NR n71 SCS 15 kHz, Channel Bandwidth: 20 MHz**

| Frequency Stability Versus Voltage |                     |                       |                     |                       |
|------------------------------------|---------------------|-----------------------|---------------------|-----------------------|
| Voltage (Vac)                      | CH 134600 (673 MHz) |                       | CH 137600 (688 MHz) |                       |
|                                    | Frequency (MHz)     | Frequency Error (ppm) | Frequency (MHz)     | Frequency Error (ppm) |
| 102                                | 672.999999          | -0.0015               | 688.000002          | 0.0029                |
| 120                                | 672.999992          | -0.0119               | 687.999996          | -0.0058               |
| 138                                | 673.000002          | 0.003                 | 687.999998          | -0.0029               |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                     |                       |                     |                       |
|----------------------------------------|---------------------|-----------------------|---------------------|-----------------------|
| Temperature (°C)                       | CH 134600 (673 MHz) |                       | CH 137600 (688 MHz) |                       |
|                                        | Frequency (MHz)     | Frequency Error (ppm) | Frequency (MHz)     | Frequency Error (ppm) |
| -30                                    | 673.000001          | 0.0015                | 688.000001          | 0.0015                |
| -20                                    | 672.999991          | -0.0134               | 687.999993          | -0.0102               |
| -10                                    | 672.999995          | -0.0074               | 688                 | 0                     |
| 0                                      | 672.999991          | -0.0134               | 687.999992          | -0.0116               |
| 10                                     | 672.999991          | -0.0134               | 687.999993          | -0.0102               |
| 20                                     | 673                 | 0                     | 688                 | 0                     |
| 30                                     | 673.000008          | 0.0119                | 688.000006          | 0.0087                |
| 40                                     | 673.000006          | 0.0089                | 688.000007          | 0.0102                |
| 50                                     | 673.000001          | 0.0015                | 688.000004          | 0.0058                |

**NR n71 SCS 15 kHz, Channel Bandwidth: 25 MHz**

| Frequency Stability Versus Voltage |                       |                       |                       |                       |
|------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Voltage (Vac)                      | CH 135100 (675.5 MHz) |                       | CH 137100 (685.5 MHz) |                       |
|                                    | Frequency (MHz)       | Frequency Error (ppm) | Frequency (MHz)       | Frequency Error (ppm) |
| 102                                | 675.499992            | -0.0118               | 685.499991            | -0.0131               |
| 120                                | 675.500006            | 0.0089                | 685.500007            | 0.0102                |
| 138                                | 675.500005            | 0.0074                | 685.500002            | 0.0029                |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                       |                       |                       |                       |
|----------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Temperature (°C)                       | CH 135100 (675.5 MHz) |                       | CH 137100 (685.5 MHz) |                       |
|                                        | Frequency (MHz)       | Frequency Error (ppm) | Frequency (MHz)       | Frequency Error (ppm) |
| -30                                    | 675.499992            | -0.0118               | 685.499994            | -0.0088               |
| -20                                    | 675.500004            | 0.0059                | 685.500005            | 0.0073                |
| -10                                    | 675.500001            | 0.0148                | 685.500006            | 0.0088                |
| 0                                      | 675.499995            | -0.0074               | 685.499999            | -0.0146               |
| 10                                     | 675.500003            | 0.0044                | 685.500006            | 0.0088                |
| 20                                     | 675.500007            | 0.0104                | 685.500001            | 0.0146                |
| 30                                     | 675.500008            | 0.0118                | 685.500006            | 0.0088                |
| 40                                     | 675.5                 | 0                     | 685.500001            | 0.0015                |
| 50                                     | 675.499994            | -0.0089               | 685.499993            | -0.0102               |

**NR n71 SCS 15 kHz, Channel Bandwidth: 30 MHz**

| Frequency Stability Versus Voltage |                     |                       |                     |                       |
|------------------------------------|---------------------|-----------------------|---------------------|-----------------------|
| Voltage (Vac)                      | CH 135600 (678 MHz) |                       | CH 136600 (683 MHz) |                       |
|                                    | Frequency (MHz)     | Frequency Error (ppm) | Frequency (MHz)     | Frequency Error (ppm) |
| 102                                | 677.999999          | -0.0015               | 683.000001          | 0.0015                |
| 120                                | 678.000006          | 0.0088                | 683.000001          | 0.0146                |
| 138                                | 678.000004          | 0.0059                | 683.000001          | 0.0015                |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                     |                       |                     |                       |
|----------------------------------------|---------------------|-----------------------|---------------------|-----------------------|
| Temperature (°C)                       | CH 135600 (678 MHz) |                       | CH 136600 (683 MHz) |                       |
|                                        | Frequency (MHz)     | Frequency Error (ppm) | Frequency (MHz)     | Frequency Error (ppm) |
| -30                                    | 678                 | 0                     | 682.999998          | -0.0029               |
| -20                                    | 677.999995          | -0.0074               | 682.999999          | -0.0015               |
| -10                                    | 678.000009          | 0.0133                | 683.000007          | 0.0102                |
| 0                                      | 678.000008          | 0.0118                | 683.000004          | 0.0059                |
| 10                                     | 677.999993          | -0.0103               | 682.999996          | -0.0059               |
| 20                                     | 677.999992          | -0.0118               | 682.999993          | -0.0102               |
| 30                                     | 678.000002          | 0.0029                | 682.999998          | -0.0029               |
| 40                                     | 677.999995          | -0.0074               | 682.999995          | -0.0073               |
| 50                                     | 677.999991          | -0.0133               | 682.999999          | -0.0146               |

**NR n71 SCS 15 kHz, Channel Bandwidth: 35 MHz**

| Frequency Stability Versus Voltage |                       |                       |
|------------------------------------|-----------------------|-----------------------|
| Voltage (Vac)                      | CH 136100 (680.5 MHz) |                       |
|                                    | Frequency (MHz)       | Frequency Error (ppm) |
| 102                                | 680.499991            | -0.0132               |
| 120                                | 680.5                 | 0                     |
| 138                                | 680.500007            | 0.0103                |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                       |                       |
|----------------------------------------|-----------------------|-----------------------|
| Temperature (°C)                       | CH 136100 (680.5 MHz) |                       |
|                                        | Frequency (MHz)       | Frequency Error (ppm) |
| -30                                    | 680.499997            | -0.0044               |
| -20                                    | 680.500007            | 0.0103                |
| -10                                    | 680.499991            | -0.0132               |
| 0                                      | 680.500009            | 0.0132                |
| 10                                     | 680.499996            | -0.0059               |
| 20                                     | 680.500009            | 0.0132                |
| 30                                     | 680.500003            | 0.0044                |
| 40                                     | 680.499997            | -0.0044               |
| 50                                     | 680.500001            | 0.0015                |

#### 7.8.5 NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz)

#### NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 10 MHz

| Frequency Stability Versus Voltage |                         |                       |                         |                       |
|------------------------------------|-------------------------|-----------------------|-------------------------|-----------------------|
| Voltage (Vac)                      | CH 630334 (3455.01 MHz) |                       | CH 636332 (3544.98 MHz) |                       |
|                                    | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| 102                                | 3455.010004             | 0.0012                | 3544.980005             | 0.0014                |
| 120                                | 3455.010007             | 0.002                 | 3544.980004             | 0.0011                |
| 138                                | 3455.009999             | -0.0003               | 3544.98                 | 0                     |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                         |                       |                         |                       |
|----------------------------------------|-------------------------|-----------------------|-------------------------|-----------------------|
| Temperature (°C)                       | CH 630334 (3455.01 MHz) |                       | CH 636332 (3544.98 MHz) |                       |
|                                        | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| -30                                    | 3455.010002             | 0.0006                | 3544.980005             | 0.0014                |
| -20                                    | 3455.009995             | -0.0014               | 3544.979992             | -0.0023               |
| -10                                    | 3455.010004             | 0.0012                | 3544.980007             | 0.002                 |
| 0                                      | 3455.009998             | -0.0006               | 3544.979998             | -0.0006               |
| 10                                     | 3455.010007             | 0.002                 | 3544.980002             | 0.0006                |
| 20                                     | 3455.010007             | 0.002                 | 3544.980006             | 0.0017                |
| 30                                     | 3455.009997             | -0.0009               | 3544.979996             | -0.0011               |
| 40                                     | 3455.009996             | -0.0012               | 3544.979995             | -0.0014               |
| 50                                     | 3455.009993             | -0.002                | 3544.979993             | -0.002                |



**NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 15 MHz**

| Frequency Stability Versus Voltage |                        |                       |                         |                       |
|------------------------------------|------------------------|-----------------------|-------------------------|-----------------------|
| Voltage (Vac)                      | CH 630500 (3457.5 MHz) |                       | CH 636166 (3542.49 MHz) |                       |
|                                    | Frequency (MHz)        | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| 102                                | 3457.500002            | 0.0006                | 3542.490006             | 0.0017                |
| 120                                | 3457.499999            | -0.0003               | 3542.489998             | -0.0006               |
| 138                                | 3457.500005            | 0.0014                | 3542.490005             | 0.0014                |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                        |                       |                         |                       |
|----------------------------------------|------------------------|-----------------------|-------------------------|-----------------------|
| Temperature (°C)                       | CH 630500 (3457.5 MHz) |                       | CH 636166 (3542.49 MHz) |                       |
|                                        | Frequency (MHz)        | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| -30                                    | 3457.500002            | 0.0006                | 3542.490001             | 0.0003                |
| -20                                    | 3457.500008            | 0.0023                | 3542.490008             | 0.0023                |
| -10                                    | 3457.499991            | -0.0026               | 3542.48999              | -0.0028               |
| 0                                      | 3457.499999            | -0.0003               | 3542.490002             | 0.0006                |
| 10                                     | 3457.500003            | 0.0009                | 3542.490003             | 0.0008                |
| 20                                     | 3457.500005            | 0.0014                | 3542.490009             | 0.0025                |
| 30                                     | 3457.500002            | 0.0006                | 3542.490003             | 0.0008                |
| 40                                     | 3457.499997            | -0.0009               | 3542.489996             | -0.0011               |
| 50                                     | 3457.500008            | 0.0023                | 3542.490004             | 0.0011                |

**NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 20 MHz**

| Frequency Stability Versus Voltage |                         |                       |                      |                       |
|------------------------------------|-------------------------|-----------------------|----------------------|-----------------------|
| Voltage (Vac)                      | CH 630668 (3460.02 MHz) |                       | CH 636000 (3540 MHz) |                       |
|                                    | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)      | Frequency Error (ppm) |
| 102                                | 3460.020001             | 0.0003                | 3539.999997          | -0.0008               |
| 120                                | 3460.02                 | 0                     | 3539.999996          | -0.0011               |
| 138                                | 3460.020001             | 0.0003                | 3540.000005          | 0.0014                |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                         |                       |                      |                       |
|----------------------------------------|-------------------------|-----------------------|----------------------|-----------------------|
| Temperature (°C)                       | CH 630668 (3460.02 MHz) |                       | CH 636000 (3540 MHz) |                       |
|                                        | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)      | Frequency Error (ppm) |
| -30                                    | 3460.019992             | -0.0023               | 3539.999996          | -0.0011               |
| -20                                    | 3460.020007             | 0.002                 | 3540.000009          | 0.0025                |
| -10                                    | 3460.019992             | -0.0023               | 3539.999993          | -0.002                |
| 0                                      | 3460.019997             | -0.0009               | 3539.999997          | -0.0008               |
| 10                                     | 3460.019998             | -0.0006               | 3539.999999          | -0.0003               |
| 20                                     | 3460.020009             | 0.0026                | 3540.000009          | 0.0025                |
| 30                                     | 3460.020002             | 0.0006                | 3539.999997          | -0.0008               |
| 40                                     | 3460.020003             | 0.0009                | 3540                 | 0                     |
| 50                                     | 3460.020001             | 0.0003                | 3539.999998          | -0.0006               |

**NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 25 MHz**

| Frequency Stability Versus Voltage |                         |                       |                         |                       |
|------------------------------------|-------------------------|-----------------------|-------------------------|-----------------------|
| Voltage (Vac)                      | CH 630834 (3462.51 MHz) |                       | CH 635832 (3537.48 MHz) |                       |
|                                    | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| 102                                | 3462.509996             | -0.0012               | 3537.479998             | -0.0006               |
| 120                                | 3462.50999              | -0.0029               | 3537.479993             | -0.002                |
| 138                                | 3462.509998             | -0.0006               | 3537.479996             | -0.0011               |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                         |                       |                         |                       |
|----------------------------------------|-------------------------|-----------------------|-------------------------|-----------------------|
| Temperature (°C)                       | CH 630834 (3462.51 MHz) |                       | CH 635832 (3537.48 MHz) |                       |
|                                        | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| -30                                    | 3462.509997             | -0.0009               | 3537.479995             | -0.0014               |
| -20                                    | 3462.509998             | -0.0006               | 3537.479994             | -0.0017               |
| -10                                    | 3462.51001              | 0.0029                | 3537.480006             | 0.0017                |
| 0                                      | 3462.510004             | 0.0012                | 3537.480001             | 0.0003                |
| 10                                     | 3462.510009             | 0.0026                | 3537.480007             | 0.002                 |
| 20                                     | 3462.509996             | -0.0012               | 3537.479995             | -0.0014               |
| 30                                     | 3462.509994             | -0.0017               | 3537.479996             | -0.0011               |
| 40                                     | 3462.509995             | -0.0014               | 3537.479998             | -0.0006               |
| 50                                     | 3462.510001             | 0.0003                | 3537.480001             | 0.0003                |

**NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 30 MHz**

| Frequency Stability Versus Voltage |                      |                       |                         |                       |
|------------------------------------|----------------------|-----------------------|-------------------------|-----------------------|
| Voltage (Vac)                      | CH 631000 (3465 MHz) |                       | CH 635666 (3534.99 MHz) |                       |
|                                    | Frequency (MHz)      | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| 102                                | 3464.999995          | -0.0014               | 3534.989996             | -0.0011               |
| 120                                | 3464.999999          | -0.0003               | 3534.989997             | -0.0008               |
| 138                                | 3465.000001          | 0.0003                | 3534.990003             | 0.0008                |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                      |                       |                         |                       |
|----------------------------------------|----------------------|-----------------------|-------------------------|-----------------------|
| Temperature (°C)                       | CH 631000 (3465 MHz) |                       | CH 635666 (3534.99 MHz) |                       |
|                                        | Frequency (MHz)      | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| -30                                    | 3465.000003          | 0.0009                | 3534.990005             | 0.0014                |
| -20                                    | 3464.999998          | -0.0006               | 3534.989995             | -0.0014               |
| -10                                    | 3465.000004          | 0.0012                | 3534.99                 | 0                     |
| 0                                      | 3464.999997          | -0.0009               | 3534.989998             | -0.0006               |
| 10                                     | 3464.999995          | -0.0014               | 3534.989996             | -0.0011               |
| 20                                     | 3464.999997          | -0.0009               | 3534.989996             | -0.0011               |
| 30                                     | 3465.000008          | 0.0023                | 3534.99001              | 0.0028                |
| 40                                     | 3465.000003          | 0.0009                | 3534.990003             | 0.0008                |
| 50                                     | 3465.000007          | 0.002                 | 3534.99001              | 0.0028                |

**NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 40 MHz**

| Frequency Stability Versus Voltage |                         |                       |                         |                       |
|------------------------------------|-------------------------|-----------------------|-------------------------|-----------------------|
| Voltage (Vac)                      | CH 631334 (3470.01 MHz) |                       | CH 635332 (3529.98 MHz) |                       |
|                                    | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| 102                                | 3470.009995             | -0.0014               | 3529.979997             | -0.0008               |
| 120                                | 3470.009993             | -0.002                | 3529.979991             | -0.0025               |
| 138                                | 3470.009994             | -0.0017               | 3529.979993             | -0.002                |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                         |                       |                         |                       |
|----------------------------------------|-------------------------|-----------------------|-------------------------|-----------------------|
| Temperature (°C)                       | CH 631334 (3470.01 MHz) |                       | CH 635332 (3529.98 MHz) |                       |
|                                        | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| -30                                    | 3470.010003             | 0.0009                | 3529.980008             | 0.0023                |
| -20                                    | 3470.009997             | -0.0009               | 3529.979996             | -0.0011               |
| -10                                    | 3470.010001             | 0.0003                | 3529.980004             | 0.0011                |
| 0                                      | 3470.010003             | 0.0009                | 3529.98                 | 0                     |
| 10                                     | 3470.010001             | 0.0003                | 3529.980005             | 0.0014                |
| 20                                     | 3470.009996             | -0.0012               | 3529.979997             | -0.0008               |
| 30                                     | 3470.010001             | 0.0003                | 3529.979999             | -0.0003               |
| 40                                     | 3470.010009             | 0.0026                | 3529.980005             | 0.0014                |
| 50                                     | 3470.009993             | -0.002                | 3529.979995             | -0.0014               |

**NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 50 MHz**

| Frequency Stability Versus Voltage |                         |                       |                      |                       |
|------------------------------------|-------------------------|-----------------------|----------------------|-----------------------|
| Voltage (Vac)                      | CH 631668 (3475.02 MHz) |                       | CH 635000 (3525 MHz) |                       |
|                                    | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)      | Frequency Error (ppm) |
| 102                                | 3475.020008             | 0.0023                | 3525.000008          | 0.0023                |
| 120                                | 3475.020005             | 0.0014                | 3525.000007          | 0.002                 |
| 138                                | 3475.019991             | -0.0026               | 3524.999996          | -0.0011               |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                         |                       |                      |                       |
|----------------------------------------|-------------------------|-----------------------|----------------------|-----------------------|
| Temperature (°C)                       | CH 631668 (3475.02 MHz) |                       | CH 635000 (3525 MHz) |                       |
|                                        | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)      | Frequency Error (ppm) |
| -30                                    | 3475.01999              | -0.0029               | 3524.99999           | -0.0028               |
| -20                                    | 3475.020005             | 0.0014                | 3525.000009          | 0.0026                |
| -10                                    | 3475.020002             | 0.0006                | 3524.999999          | -0.0003               |
| 0                                      | 3475.019996             | -0.0012               | 3524.999998          | -0.0006               |
| 10                                     | 3475.019995             | -0.0014               | 3524.999993          | -0.002                |
| 20                                     | 3475.020002             | 0.0006                | 3525.000005          | 0.0014                |
| 30                                     | 3475.019994             | -0.0017               | 3524.999993          | -0.002                |
| 40                                     | 3475.019994             | -0.0017               | 3524.999998          | -0.0006               |
| 50                                     | 3475.019999             | -0.0003               | 3525.000003          | 0.0009                |

**NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 60 MHz**

| Frequency Stability Versus Voltage |                      |                       |                         |                       |
|------------------------------------|----------------------|-----------------------|-------------------------|-----------------------|
| Voltage (Vac)                      | CH 632000 (3480 MHz) |                       | CH 634666 (3519.99 MHz) |                       |
|                                    | Frequency (MHz)      | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| 102                                | 3480.000007          | 0.002                 | 3519.990006             | 0.0017                |
| 120                                | 3479.999991          | -0.0026               | 3519.98999              | -0.0028               |
| 138                                | 3479.999992          | -0.0023               | 3519.989993             | -0.002                |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                      |                       |                         |                       |
|----------------------------------------|----------------------|-----------------------|-------------------------|-----------------------|
| Temperature (°C)                       | CH 632000 (3480 MHz) |                       | CH 634666 (3519.99 MHz) |                       |
|                                        | Frequency (MHz)      | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| -30                                    | 3479.999998          | -0.0006               | 3519.989999             | -0.0003               |
| -20                                    | 3480                 | 0                     | 3519.990004             | 0.0011                |
| -10                                    | 3480.000006          | 0.0017                | 3519.990003             | 0.0009                |
| 0                                      | 3480.000003          | 0.0009                | 3519.989999             | -0.0003               |
| 10                                     | 3480.000009          | 0.0026                | 3519.990009             | 0.0026                |
| 20                                     | 3479.999999          | -0.0003               | 3519.990001             | 0.0003                |
| 30                                     | 3479.999993          | -0.002                | 3519.989997             | -0.0009               |
| 40                                     | 3479.999992          | -0.0023               | 3519.989992             | -0.0023               |
| 50                                     | 3479.999999          | -0.0003               | 3519.989994             | -0.0017               |

**NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 70 MHz**

| Frequency Stability Versus Voltage |                         |                       |                         |                       |
|------------------------------------|-------------------------|-----------------------|-------------------------|-----------------------|
| Voltage (Vac)                      | CH 632334 (3485.01 MHz) |                       | CH 634332 (3514.98 MHz) |                       |
|                                    | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| 102                                | 3485.009991             | -0.0026               | 3514.979993             | -0.002                |
| 120                                | 3485.009991             | -0.0026               | 3514.97999              | -0.0028               |
| 138                                | 3485.010005             | 0.0014                | 3514.980009             | 0.0026                |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                         |                       |                         |                       |
|----------------------------------------|-------------------------|-----------------------|-------------------------|-----------------------|
| Temperature (°C)                       | CH 632334 (3485.01 MHz) |                       | CH 634332 (3514.98 MHz) |                       |
|                                        | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| -30                                    | 3485.010008             | 0.0023                | 3514.980007             | 0.002                 |
| -20                                    | 3485.010004             | 0.0011                | 3514.980007             | 0.002                 |
| -10                                    | 3485.010009             | 0.0026                | 3514.980009             | 0.0026                |
| 0                                      | 3485.010006             | 0.0017                | 3514.980009             | 0.0026                |
| 10                                     | 3485.009992             | -0.0023               | 3514.979994             | -0.0017               |
| 20                                     | 3485.009991             | -0.0026               | 3514.979991             | -0.0026               |
| 30                                     | 3485.010006             | 0.0017                | 3514.980008             | 0.0023                |
| 40                                     | 3485.009998             | -0.0006               | 3514.979993             | -0.002                |
| 50                                     | 3485.009991             | -0.0026               | 3514.979991             | -0.0026               |



**NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 80 MHz**

| Frequency Stability Versus Voltage |                         |                       |                      |                       |
|------------------------------------|-------------------------|-----------------------|----------------------|-----------------------|
| Voltage (Vac)                      | CH 632668 (3490.02 MHz) |                       | CH 634000 (3510 MHz) |                       |
|                                    | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)      | Frequency Error (ppm) |
| 102                                | 3490.01999              | -0.0029               | 3509.999994          | -0.0017               |
| 120                                | 3490.020004             | 0.0011                | 3510.000006          | 0.0017                |
| 138                                | 3490.019995             | -0.0014               | 3509.999994          | -0.0017               |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                         |                       |                      |                       |
|----------------------------------------|-------------------------|-----------------------|----------------------|-----------------------|
| Temperature (°C)                       | CH 632668 (3490.02 MHz) |                       | CH 634000 (3510 MHz) |                       |
|                                        | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)      | Frequency Error (ppm) |
| -30                                    | 3490.020003             | 0.0009                | 3510                 | 0                     |
| -20                                    | 3490.020001             | 0.0003                | 3509.999998          | -0.0006               |
| -10                                    | 3490.020003             | 0.0009                | 3510                 | 0                     |
| 0                                      | 3490.020004             | 0.0011                | 3510.000001          | 0.0003                |
| 10                                     | 3490.019998             | -0.0006               | 3509.999996          | -0.0011               |
| 20                                     | 3490.020003             | 0.0009                | 3510.000001          | 0.0003                |
| 30                                     | 3490.020005             | 0.0014                | 3510.000004          | 0.0011                |
| 40                                     | 3490.020003             | 0.0009                | 3510.000006          | 0.0017                |
| 50                                     | 3490.020004             | 0.0011                | 3510.000008          | 0.0023                |

**NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 90 MHz**

| Frequency Stability Versus Voltage |                      |                       |                         |                       |
|------------------------------------|----------------------|-----------------------|-------------------------|-----------------------|
| Voltage (Vac)                      | CH 633000 (3495 MHz) |                       | CH 633666 (3504.99 MHz) |                       |
|                                    | Frequency (MHz)      | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| 102                                | 3494.999995          | -0.0014               | 3504.989995             | -0.0014               |
| 120                                | 3495.000003          | 0.0009                | 3504.990005             | 0.0014                |
| 138                                | 3495.000008          | 0.0023                | 3504.990006             | 0.0017                |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                      |                       |                         |                       |
|----------------------------------------|----------------------|-----------------------|-------------------------|-----------------------|
| Temperature (°C)                       | CH 633000 (3495 MHz) |                       | CH 633666 (3504.99 MHz) |                       |
|                                        | Frequency (MHz)      | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| -30                                    | 3494.999995          | -0.0014               | 3504.989998             | -0.0006               |
| -20                                    | 3495.000007          | 0.002                 | 3504.990007             | 0.002                 |
| -10                                    | 3495.000002          | 0.0006                | 3504.990007             | 0.002                 |
| 0                                      | 3494.999992          | -0.0023               | 3504.989996             | -0.0011               |
| 10                                     | 3495                 | 0                     | 3504.989999             | -0.0003               |
| 20                                     | 3494.999999          | -0.0003               | 3504.989998             | -0.0006               |
| 30                                     | 3495                 | 0                     | 3504.99                 | 0                     |
| 40                                     | 3495.000002          | 0.0006                | 3504.990004             | 0.0011                |
| 50                                     | 3494.999991          | -0.0026               | 3504.989992             | -0.0023               |

**NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), Channel Bandwidth: 100 MHz**

| Frequency Stability Versus Voltage |                         |                       |
|------------------------------------|-------------------------|-----------------------|
| Voltage (Vac)                      | CH 633334 (3500.01 MHz) |                       |
|                                    | Frequency (MHz)         | Frequency Error (ppm) |
| 102                                | 3500.010001             | 0.0003                |
| 120                                | 3500.010007             | 0.002                 |
| 138                                | 3500.010004             | 0.0011                |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                         |                       |
|----------------------------------------|-------------------------|-----------------------|
| Temperature (°C)                       | CH 633334 (3500.01 MHz) |                       |
|                                        | Frequency (MHz)         | Frequency Error (ppm) |
| -30                                    | 3500.010005             | 0.0014                |
| -20                                    | 3500.010001             | 0.0003                |
| -10                                    | 3500.009991             | -0.0026               |
| 0                                      | 3500.010002             | 0.0006                |
| 10                                     | 3500.009994             | -0.0017               |
| 20                                     | 3500.009993             | -0.002                |
| 30                                     | 3500.010006             | 0.0017                |
| 40                                     | 3500.010002             | 0.0006                |
| 50                                     | 3500.01001              | 0.0029                |

#### 7.8.6 NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz)

#### NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Channel Bandwidth: 10 MHz

| Frequency Stability Versus Voltage |                      |                       |                      |                       |
|------------------------------------|----------------------|-----------------------|----------------------|-----------------------|
| Voltage (Vac)                      | CH 647000 (3705 MHz) |                       | CH 665000 (3975 MHz) |                       |
|                                    | Frequency (MHz)      | Frequency Error (ppm) | Frequency (MHz)      | Frequency Error (ppm) |
| 102                                | 3705.000006          | 0.0016                | 3975.000007          | 0.0018                |
| 120                                | 3705.000008          | 0.0022                | 3975.000004          | 0.001                 |
| 138                                | 3705.000005          | 0.0013                | 3975.000008          | 0.002                 |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                      |                       |                      |                       |
|----------------------------------------|----------------------|-----------------------|----------------------|-----------------------|
| Temperature (°C)                       | CH 647000 (3705 MHz) |                       | CH 665000 (3975 MHz) |                       |
|                                        | Frequency (MHz)      | Frequency Error (ppm) | Frequency (MHz)      | Frequency Error (ppm) |
| -30                                    | 3704.999994          | -0.0016               | 3974.999991          | -0.0023               |
| -20                                    | 3705.000005          | 0.0013                | 3975.000009          | 0.0023                |
| -10                                    | 3704.999993          | -0.0019               | 3974.999995          | -0.0013               |
| 0                                      | 3704.999991          | -0.0024               | 3974.999993          | -0.0018               |
| 10                                     | 3704.999992          | -0.0022               | 3974.999992          | -0.002                |
| 20                                     | 3705.000004          | 0.0011                | 3975.000004          | 0.001                 |
| 30                                     | 3704.999998          | -0.0005               | 3974.999996          | -0.001                |
| 40                                     | 3705.000003          | 0.0008                | 3975.000004          | 0.001                 |
| 50                                     | 3704.999991          | -0.0024               | 3974.999993          | -0.0018               |

**NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Channel Bandwidth: 15 MHz**

| Frequency Stability Versus Voltage |                         |                       |                         |                       |
|------------------------------------|-------------------------|-----------------------|-------------------------|-----------------------|
| Voltage (Vac)                      | CH 647168 (3707.52 MHz) |                       | CH 664832 (3972.48 MHz) |                       |
|                                    | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| 102                                | 3707.520009             | 0.0024                | 3972.480004             | 0.001                 |
| 120                                | 3707.520009             | 0.0024                | 3972.480006             | 0.0015                |
| 138                                | 3707.52                 | 0                     | 3972.48                 | 0                     |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                         |                       |                         |                       |
|----------------------------------------|-------------------------|-----------------------|-------------------------|-----------------------|
| Temperature (°C)                       | CH 647168 (3707.52 MHz) |                       | CH 664832 (3972.48 MHz) |                       |
|                                        | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| -30                                    | 3707.520009             | 0.0024                | 3972.48001              | 0.0025                |
| -20                                    | 3707.519992             | -0.0022               | 3972.479994             | -0.0015               |
| -10                                    | 3707.520007             | 0.0019                | 3972.480007             | 0.0018                |
| 0                                      | 3707.520003             | 0.0008                | 3972.480003             | 0.0008                |
| 10                                     | 3707.519991             | -0.0024               | 3972.479996             | -0.001                |
| 20                                     | 3707.52001              | 0.0027                | 3972.480007             | 0.0018                |
| 30                                     | 3707.520002             | 0.0005                | 3972.480005             | 0.0013                |
| 40                                     | 3707.519997             | -0.0008               | 3972.480001             | 0.0003                |
| 50                                     | 3707.520002             | 0.0005                | 3972.480006             | 0.0015                |

**NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Channel Bandwidth: 20 MHz**

| Frequency Stability Versus Voltage |                         |                       |                         |                       |
|------------------------------------|-------------------------|-----------------------|-------------------------|-----------------------|
| Voltage (Vac)                      | CH 647334 (3710.01 MHz) |                       | CH 664666 (3969.99 MHz) |                       |
|                                    | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| 102                                | 3710.010009             | 0.0024                | 3969.990004             | 0.001                 |
| 120                                | 3710.010007             | 0.0019                | 3969.990005             | 0.0013                |
| 138                                | 3710.010008             | 0.0022                | 3969.990008             | 0.002                 |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                         |                       |                         |                       |
|----------------------------------------|-------------------------|-----------------------|-------------------------|-----------------------|
| Temperature (°C)                       | CH 647334 (3710.01 MHz) |                       | CH 664666 (3969.99 MHz) |                       |
|                                        | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| -30                                    | 3710.009998             | -0.0005               | 3969.989996             | -0.001                |
| -20                                    | 3710.009992             | -0.0022               | 3969.989992             | -0.002                |
| -10                                    | 3710.009996             | -0.0011               | 3969.989992             | -0.002                |
| 0                                      | 3710.009998             | -0.0005               | 3969.989999             | -0.0003               |
| 10                                     | 3710.009995             | -0.0013               | 3969.989992             | -0.002                |
| 20                                     | 3710.01001              | 0.0027                | 3969.990008             | 0.002                 |
| 30                                     | 3710.01                 | 0                     | 3969.989998             | -0.0005               |
| 40                                     | 3710.009994             | -0.0016               | 3969.98999              | -0.0025               |
| 50                                     | 3710.009999             | -0.0003               | 3969.989998             | -0.0005               |

**NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Channel Bandwidth: 25 MHz**

| Frequency Stability Versus Voltage |                        |                       |                        |                       |
|------------------------------------|------------------------|-----------------------|------------------------|-----------------------|
| Voltage (Vac)                      | CH 647500 (3712.5 MHz) |                       | CH 664500 (3967.5 MHz) |                       |
|                                    | Frequency (MHz)        | Frequency Error (ppm) | Frequency (MHz)        | Frequency Error (ppm) |
| 102                                | 3712.499992            | -0.0022               | 3967.499992            | -0.002                |
| 120                                | 3712.50001             | 0.0027                | 3967.500006            | 0.0015                |
| 138                                | 3712.49999             | -0.0027               | 3967.499993            | -0.0018               |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                        |                       |                        |                       |
|----------------------------------------|------------------------|-----------------------|------------------------|-----------------------|
| Temperature (°C)                       | CH 647500 (3712.5 MHz) |                       | CH 664500 (3967.5 MHz) |                       |
|                                        | Frequency (MHz)        | Frequency Error (ppm) | Frequency (MHz)        | Frequency Error (ppm) |
| -30                                    | 3712.499991            | -0.0024               | 3967.499991            | -0.0023               |
| -20                                    | 3712.499996            | -0.0011               | 3967.5                 | 0                     |
| -10                                    | 3712.499993            | -0.0019               | 3967.499993            | -0.0018               |
| 0                                      | 3712.500008            | 0.0022                | 3967.500006            | 0.0015                |
| 10                                     | 3712.499994            | -0.0016               | 3967.499999            | -0.0003               |
| 20                                     | 3712.500002            | 0.0005                | 3967.500005            | 0.0013                |
| 30                                     | 3712.500005            | 0.0013                | 3967.500007            | 0.0018                |
| 40                                     | 3712.500007            | 0.0019                | 3967.500007            | 0.0018                |
| 50                                     | 3712.499998            | -0.0005               | 3967.499998            | -0.0005               |

**NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Channel Bandwidth: 30 MHz**

| Frequency Stability Versus Voltage |                         |                       |                         |                       |
|------------------------------------|-------------------------|-----------------------|-------------------------|-----------------------|
| Voltage (Vac)                      | CH 647668 (3715.02 MHz) |                       | CH 664332 (3964.98 MHz) |                       |
|                                    | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| 102                                | 3715.019997             | -0.0008               | 3964.979998             | -0.0005               |
| 120                                | 3715.020001             | 0.0003                | 3964.980005             | 0.0013                |
| 138                                | 3715.020009             | 0.0024                | 3964.980004             | 0.001                 |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                         |                       |                         |                       |
|----------------------------------------|-------------------------|-----------------------|-------------------------|-----------------------|
| Temperature (°C)                       | CH 647668 (3715.02 MHz) |                       | CH 664332 (3964.98 MHz) |                       |
|                                        | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| -30                                    | 3715.020007             | 0.0019                | 3964.980005             | 0.0013                |
| -20                                    | 3715.020002             | 0.0005                | 3964.980002             | 0.0005                |
| -10                                    | 3715.019993             | -0.0019               | 3964.979996             | -0.001                |
| 0                                      | 3715.020007             | 0.0019                | 3964.980005             | 0.0013                |
| 10                                     | 3715.020006             | 0.0016                | 3964.98001              | 0.0025                |
| 20                                     | 3715.019993             | -0.0019               | 3964.979992             | -0.002                |
| 30                                     | 3715.020005             | 0.0013                | 3964.98                 | 0                     |
| 40                                     | 3715.020006             | 0.0016                | 3964.980006             | 0.0015                |
| 50                                     | 3715.019991             | -0.0024               | 3964.979991             | -0.0023               |



**NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Channel Bandwidth: 40 MHz**

| Frequency Stability Versus Voltage |                      |                       |                      |                       |
|------------------------------------|----------------------|-----------------------|----------------------|-----------------------|
| Voltage (Vac)                      | CH 648000 (3720 MHz) |                       | CH 664000 (3960 MHz) |                       |
|                                    | Frequency (MHz)      | Frequency Error (ppm) | Frequency (MHz)      | Frequency Error (ppm) |
| 102                                | 3720.000004          | 0.0011                | 3960.000002          | 0.0005                |
| 120                                | 3720.000008          | 0.0022                | 3960.000005          | 0.0013                |
| 138                                | 3720.000009          | 0.0024                | 3960.000004          | 0.001                 |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                      |                       |                      |                       |
|----------------------------------------|----------------------|-----------------------|----------------------|-----------------------|
| Temperature (°C)                       | CH 648000 (3720 MHz) |                       | CH 664000 (3960 MHz) |                       |
|                                        | Frequency (MHz)      | Frequency Error (ppm) | Frequency (MHz)      | Frequency Error (ppm) |
| -30                                    | 3720.000001          | 0.0003                | 3959.999996          | -0.001                |
| -20                                    | 3719.999995          | -0.0013               | 3959.999991          | -0.0023               |
| -10                                    | 3720                 | 0                     | 3959.999999          | -0.0003               |
| 0                                      | 3720.000007          | 0.0019                | 3960.000005          | 0.0013                |
| 10                                     | 3720.000005          | 0.0013                | 3960.000006          | 0.0015                |
| 20                                     | 3720.000001          | 0.0003                | 3960.000004          | 0.001                 |
| 30                                     | 3719.999992          | -0.0022               | 3959.999991          | -0.0023               |
| 40                                     | 3720.000006          | 0.0016                | 3960.000007          | 0.0018                |
| 50                                     | 3720.000005          | 0.0013                | 3960.000002          | 0.0005                |

**NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Channel Bandwidth: 50 MHz**

| Frequency Stability Versus Voltage |                         |                       |                         |                       |
|------------------------------------|-------------------------|-----------------------|-------------------------|-----------------------|
| Voltage (Vac)                      | CH 648334 (3725.01 MHz) |                       | CH 663666 (3954.99 MHz) |                       |
|                                    | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| 102                                | 3725.009996             | -0.0011               | 3954.99                 | 0                     |
| 120                                | 3725.010008             | 0.0021                | 3954.990008             | 0.002                 |
| 138                                | 3725.010008             | 0.0021                | 3954.990003             | 0.0008                |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                         |                       |                         |                       |
|----------------------------------------|-------------------------|-----------------------|-------------------------|-----------------------|
| Temperature (°C)                       | CH 648334 (3725.01 MHz) |                       | CH 663666 (3954.99 MHz) |                       |
|                                        | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| -30                                    | 3725.009993             | -0.0019               | 3954.989998             | -0.0005               |
| -20                                    | 3725.010001             | 0.0003                | 3954.990003             | 0.0008                |
| -10                                    | 3725.010005             | 0.0013                | 3954.990007             | 0.0018                |
| 0                                      | 3725.010006             | 0.0016                | 3954.990004             | 0.001                 |
| 10                                     | 3725.009998             | -0.0005               | 3954.989998             | -0.0005               |
| 20                                     | 3725.009992             | -0.0021               | 3954.989991             | -0.0023               |
| 30                                     | 3725.009997             | -0.0008               | 3954.989999             | -0.0003               |
| 40                                     | 3725.010005             | 0.0013                | 3954.990008             | 0.002                 |
| 50                                     | 3725.010003             | 0.0008                | 3954.989999             | -0.0003               |

**NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Channel Bandwidth: 60 MHz**

| Frequency Stability Versus Voltage |                         |                       |                         |                       |
|------------------------------------|-------------------------|-----------------------|-------------------------|-----------------------|
| Voltage (Vac)                      | CH 648668 (3730.02 MHz) |                       | CH 663332 (3949.98 MHz) |                       |
|                                    | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| 102                                | 3730.019998             | -0.0005               | 3949.979996             | -0.001                |
| 120                                | 3730.020009             | 0.0024                | 3949.980009             | 0.0023                |
| 138                                | 3730.019996             | -0.0011               | 3949.98                 | 0                     |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                         |                       |                         |                       |
|----------------------------------------|-------------------------|-----------------------|-------------------------|-----------------------|
| Temperature (°C)                       | CH 648668 (3730.02 MHz) |                       | CH 663332 (3949.98 MHz) |                       |
|                                        | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| -30                                    | 3730.020009             | 0.0024                | 3949.980006             | 0.0015                |
| -20                                    | 3730.019993             | -0.0019               | 3949.979996             | -0.001                |
| -10                                    | 3730.019992             | -0.0021               | 3949.979993             | -0.0018               |
| 0                                      | 3730.020001             | 0.0003                | 3949.979997             | -0.0008               |
| 10                                     | 3730.019995             | -0.0013               | 3949.979995             | -0.0013               |
| 20                                     | 3730.019991             | -0.0024               | 3949.97999              | -0.0025               |
| 30                                     | 3730.01999              | -0.0027               | 3949.97999              | -0.0025               |
| 40                                     | 3730.020006             | 0.0016                | 3949.980004             | 0.001                 |
| 50                                     | 3730.020007             | 0.0019                | 3949.980002             | 0.0005                |

**NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Channel Bandwidth: 70 MHz**

| Frequency Stability Versus Voltage |                      |                       |                      |                       |
|------------------------------------|----------------------|-----------------------|----------------------|-----------------------|
| Voltage (Vac)                      | CH 649000 (3735 MHz) |                       | CH 663000 (3945 MHz) |                       |
|                                    | Frequency (MHz)      | Frequency Error (ppm) | Frequency (MHz)      | Frequency Error (ppm) |
| 102                                | 3735.000009          | 0.0024                | 3945.000007          | 0.0018                |
| 120                                | 3735.000009          | 0.0024                | 3945.000008          | 0.002                 |
| 138                                | 3734.999992          | -0.0021               | 3944.99999           | -0.0025               |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                      |                       |                      |                       |
|----------------------------------------|----------------------|-----------------------|----------------------|-----------------------|
| Temperature (°C)                       | CH 649000 (3735 MHz) |                       | CH 663000 (3945 MHz) |                       |
|                                        | Frequency (MHz)      | Frequency Error (ppm) | Frequency (MHz)      | Frequency Error (ppm) |
| -30                                    | 3734.999998          | -0.0005               | 3944.999996          | -0.001                |
| -20                                    | 3735.000001          | 0.0003                | 3945.000005          | 0.0013                |
| -10                                    | 3734.999993          | -0.0019               | 3944.999993          | -0.0018               |
| 0                                      | 3735.000001          | 0.0003                | 3945.000003          | 0.0008                |
| 10                                     | 3734.999994          | -0.0016               | 3944.99999           | -0.0025               |
| 20                                     | 3735.000003          | 0.0008                | 3945.000005          | 0.0013                |
| 30                                     | 3734.999996          | -0.0011               | 3944.999995          | -0.0013               |
| 40                                     | 3735.000006          | 0.0016                | 3945.000006          | 0.0015                |
| 50                                     | 3734.999997          | -0.0008               | 3944.999995          | -0.0013               |

**NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Channel Bandwidth: 80 MHz**

| Frequency Stability Versus Voltage |                         |                       |                         |                       |
|------------------------------------|-------------------------|-----------------------|-------------------------|-----------------------|
| Voltage (Vac)                      | CH 649334 (3740.01 MHz) |                       | CH 662666 (3939.99 MHz) |                       |
|                                    | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| 102                                | 3740.009996             | -0.0011               | 3939.989993             | -0.0018               |
| 120                                | 3740.009997             | -0.0008               | 3939.989993             | -0.0018               |
| 138                                | 3740.009994             | -0.0016               | 3939.989992             | -0.002                |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                         |                       |                         |                       |
|----------------------------------------|-------------------------|-----------------------|-------------------------|-----------------------|
| Temperature (°C)                       | CH 649334 (3740.01 MHz) |                       | CH 662666 (3939.99 MHz) |                       |
|                                        | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| -30                                    | 3740.010003             | 0.0008                | 3939.99                 | 0                     |
| -20                                    | 3740.009993             | -0.0019               | 3939.989992             | -0.002                |
| -10                                    | 3740.009995             | -0.0013               | 3939.989993             | -0.0018               |
| 0                                      | 3740.009993             | -0.0019               | 3939.989994             | -0.0015               |
| 10                                     | 3740.009994             | -0.0016               | 3939.989997             | -0.0008               |
| 20                                     | 3740.010005             | 0.0013                | 3939.990004             | 0.001                 |
| 30                                     | 3740.009993             | -0.0019               | 3939.989994             | -0.0015               |
| 40                                     | 3740.010003             | 0.0008                | 3939.990003             | 0.0008                |
| 50                                     | 3740.010005             | 0.0013                | 3939.990009             | 0.0023                |

**NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Channel Bandwidth: 90 MHz**

| Frequency Stability Versus Voltage |                         |                       |                         |                       |
|------------------------------------|-------------------------|-----------------------|-------------------------|-----------------------|
| Voltage (Vac)                      | CH 649668 (3745.02 MHz) |                       | CH 662332 (3934.98 MHz) |                       |
|                                    | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| 102                                | 3745.020002             | 0.0005                | 3934.980003             | 0.0008                |
| 120                                | 3745.019997             | -0.0008               | 3934.979996             | -0.001                |
| 138                                | 3745.020008             | 0.0021                | 3934.980003             | 0.0008                |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                         |                       |                         |                       |
|----------------------------------------|-------------------------|-----------------------|-------------------------|-----------------------|
| Temperature (°C)                       | CH 649668 (3745.02 MHz) |                       | CH 662332 (3934.98 MHz) |                       |
|                                        | Frequency (MHz)         | Frequency Error (ppm) | Frequency (MHz)         | Frequency Error (ppm) |
| -30                                    | 3745.019996             | -0.0011               | 3934.979999             | -0.0003               |
| -20                                    | 3745.019994             | -0.0016               | 3934.979997             | -0.0008               |
| -10                                    | 3745.019995             | -0.0013               | 3934.979996             | -0.001                |
| 0                                      | 3745.020007             | 0.0019                | 3934.980008             | 0.002                 |
| 10                                     | 3745.020001             | 0.0003                | 3934.98                 | 0                     |
| 20                                     | 3745.020006             | 0.0016                | 3934.980008             | 0.002                 |
| 30                                     | 3745.019994             | -0.0016               | 3934.979998             | -0.0005               |
| 40                                     | 3745.019991             | -0.0024               | 3934.979994             | -0.0015               |
| 50                                     | 3745.020003             | 0.0008                | 3934.980005             | 0.0013                |

**NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), Channel Bandwidth: 100 MHz**

| Frequency Stability Versus Voltage |                      |                       |                      |                       |
|------------------------------------|----------------------|-----------------------|----------------------|-----------------------|
| Voltage (Vac)                      | CH 650000 (3750 MHz) |                       | CH 662000 (3930 MHz) |                       |
|                                    | Frequency (MHz)      | Frequency Error (ppm) | Frequency (MHz)      | Frequency Error (ppm) |
| 102                                | 3749.999996          | -0.0011               | 3929.999994          | -0.0015               |
| 120                                | 3750                 | 0                     | 3930.000005          | 0.0013                |
| 138                                | 3750.000002          | 0.0005                | 3929.999999          | -0.0003               |

Note: The applicant defined the normal working voltage is from 102 to 138 Vac.

| Frequency Stability Versus Temperature |                      |                       |                      |                       |
|----------------------------------------|----------------------|-----------------------|----------------------|-----------------------|
| Temperature (°C)                       | CH 650000 (3750 MHz) |                       | CH 662000 (3930 MHz) |                       |
|                                        | Frequency (MHz)      | Frequency Error (ppm) | Frequency (MHz)      | Frequency Error (ppm) |
| -30                                    | 3749.999999          | -0.0003               | 3929.999995          | -0.0013               |
| -20                                    | 3749.999994          | -0.0016               | 3929.999995          | -0.0013               |
| -10                                    | 3750.000005          | 0.0013                | 3930.000005          | 0.0013                |
| 0                                      | 3749.999993          | -0.0019               | 3929.999999          | -0.0025               |
| 10                                     | 3749.999991          | -0.0024               | 3929.999999          | -0.0025               |
| 20                                     | 3750.000004          | 0.0011                | 3930.000007          | 0.0018                |
| 30                                     | 3749.999998          | -0.0005               | 3930.000002          | 0.0005                |
| 40                                     | 3750.000003          | 0.0008                | 3930.000008          | 0.002                 |
| 50                                     | 3749.999991          | -0.0024               | 3929.999993          | -0.0018               |

## 8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)



## 9 Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

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The address and road map of all our labs can be found in our web site also.

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