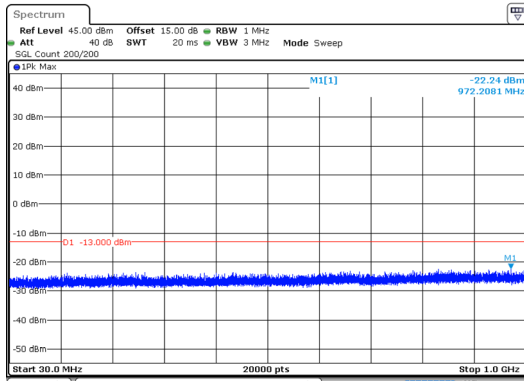
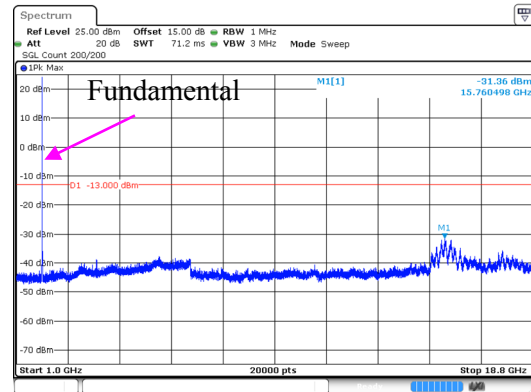


### 30 MHz – 1GHz WCDMA (Rel 99) Mode, Middle channel



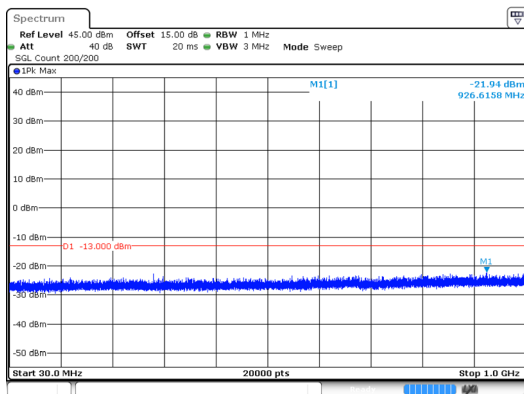
ProjectNo. RKSA250928001 Tester:Huh Wu  
Date: 10 OCT.2025 10:16:06

### 1 GHz – 18.8 GHz WCDMA (Rel 99) Mode, Middle channel



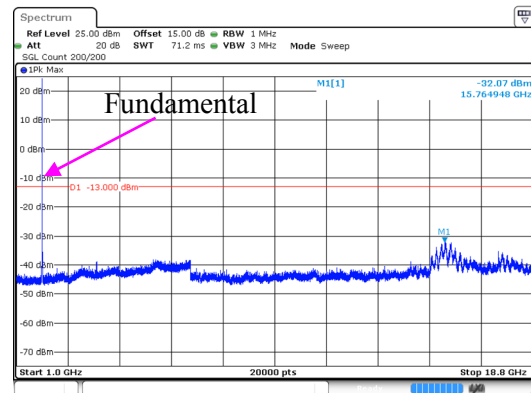
ProjectNo. RKSA250928001 Tester:Huh Wu  
Date: 10 OCT.2025 10:17:11

### 30 MHz – 1GHz WCDMA (HSDPA) Mode, Middle channel



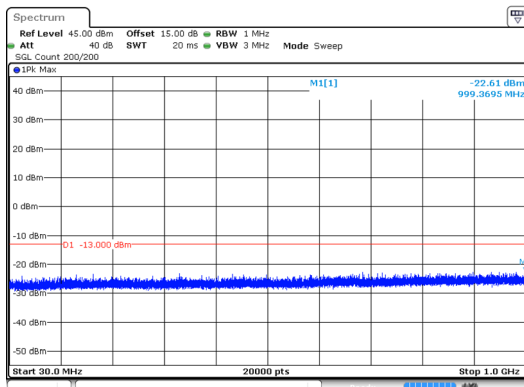
ProjectNo. RKSA250928001 Tester:Huh Wu  
Date: 10 OCT.2025 14:03:39

### 1 GHz – 18.8 GHz WCDMA (HSDPA) Mode, Middle channel



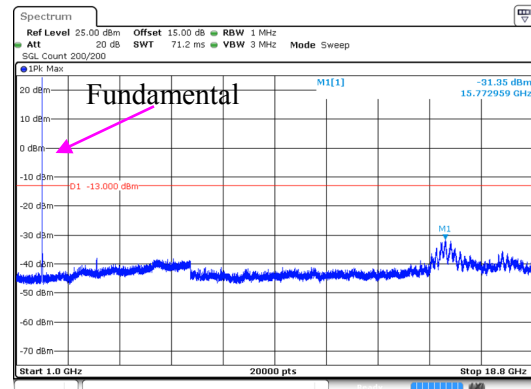
ProjectNo. RKSA250928001 Tester:Huh Wu  
Date: 10 OCT.2025 14:04:52

### 30 MHz – 1GHz WCDMA (HSUPA) Mode, Middle channel



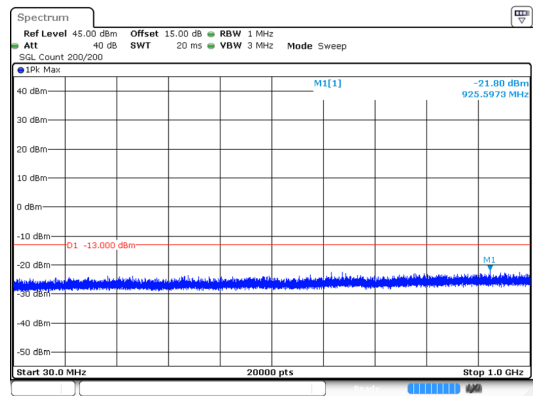
ProjectNo. RKSA250928001 Tester:Huh Wu  
Date: 10 OCT.2025 13:27:28

### 1 GHz – 18.8 GHz WCDMA (HSUPA) Mode, Middle channel



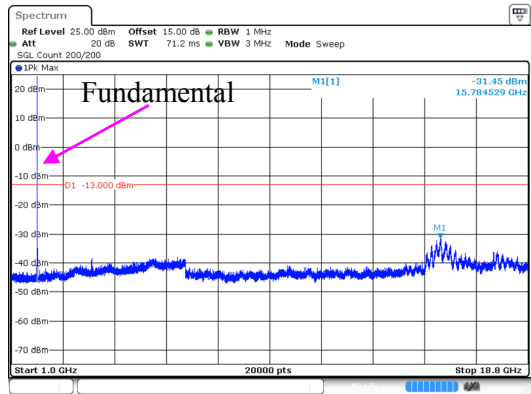
ProjectNo. RKSA250928001 Tester:Huh Wu  
Date: 10 OCT.2025 13:28:35

30 MHz – 1GHz WCDMA (HSPA+) Mode, Middle channel



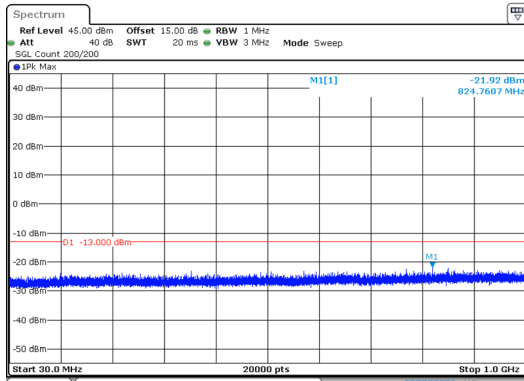
ProjectNo: RKSA250928001 Tester:Hugh Wu  
Date: 10 OCT.2025 16:07:10

1 GHz –18.8 GHz WCDMA (HSPA+) Mode, Middle channel



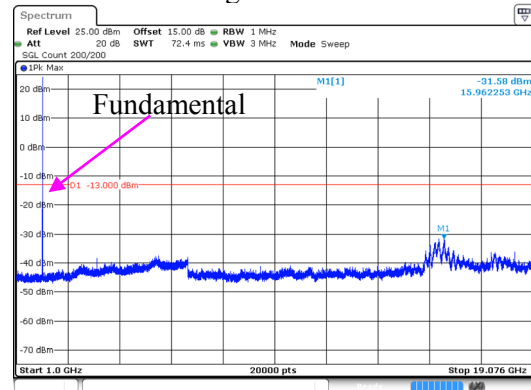
ProjectNo: RKSA250928001 Tester:Hugh Wu  
Date: 10 OCT.2025 16:08:43

30 MHz – 1GHz WCDMA (Rel 99) Mode, High channel



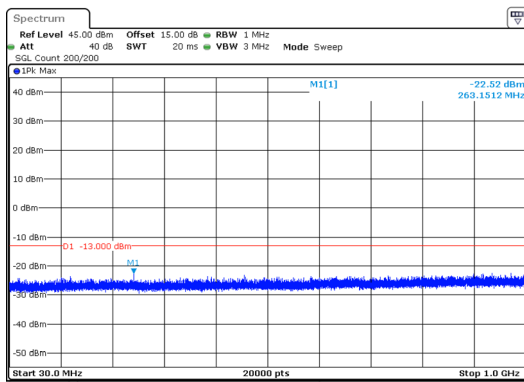
ProjectNo. RKSA250928001 Tester:Huh Wu  
Date: 10 OCT 2025 10:37:29

1 GHz – 19.076 GHz WCDMA (Rel 99) Mode, High channel



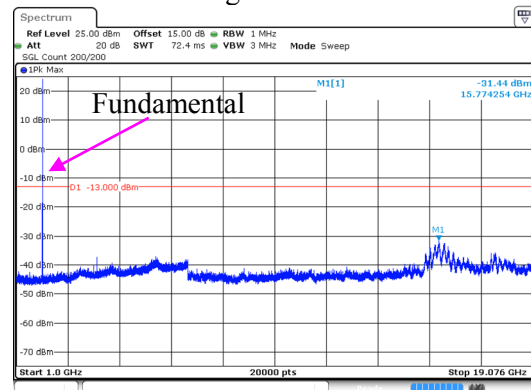
ProjectNo. RKSA250928001 Tester:Huh Wu  
Date: 10 OCT 2025 10:38:32

30 MHz – 1GHz WCDMA (HSDPA) Mode, High channel



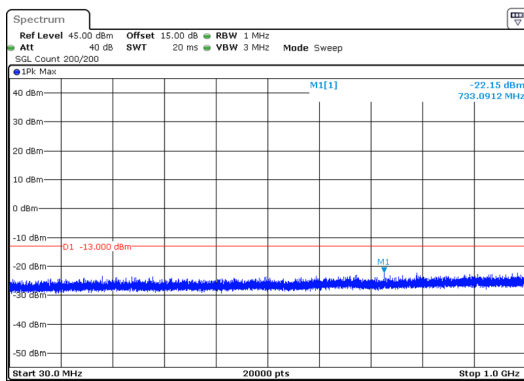
ProjectNo. RKSA250928001 Tester:Huh Wu  
Date: 10 OCT 2025 14:05:21

1 GHz – 19.076 GHz WCDMA (HSDPA) Mode, High channel



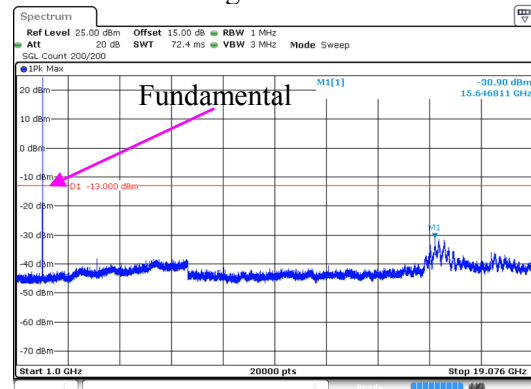
ProjectNo. RKSA250928001 Tester:Huh Wu  
Date: 10 OCT 2025 14:06:26

30 MHz – 1GHz WCDMA (HSUPA) Mode, High channel



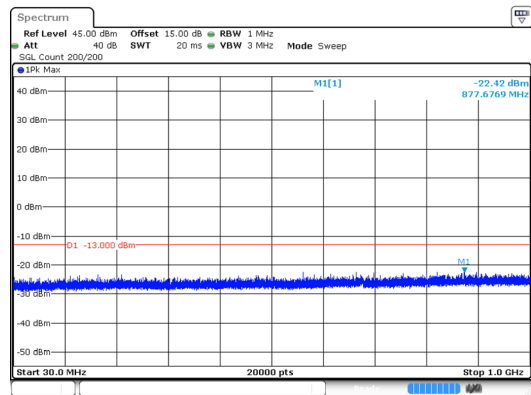
ProjectNo. RKSA250928001 Tester:Huh Wu  
Date: 10 OCT 2025 13:29:05

1 GHz – 19.076 GHz WCDMA (HSUPA) Mode, High channel



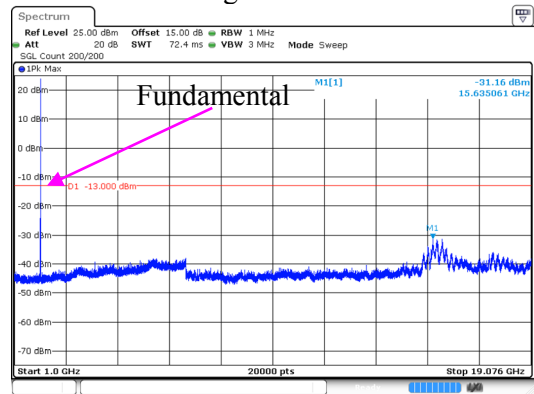
ProjectNo. RKSA250928001 Tester:Huh Wu  
Date: 10 OCT 2025 13:30:12

30 MHz – 1GHz WCDMA (HSPA+) Mode, High channel



ProjectNo: RKSA250928001 Tester:Hugh Wu  
Date: 10 OCT.2025 16:09:10

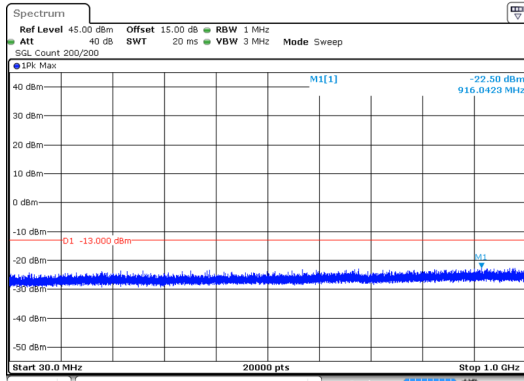
1 GHz –19.076 GHz WCDMA (HSPA+) Mode, High channel



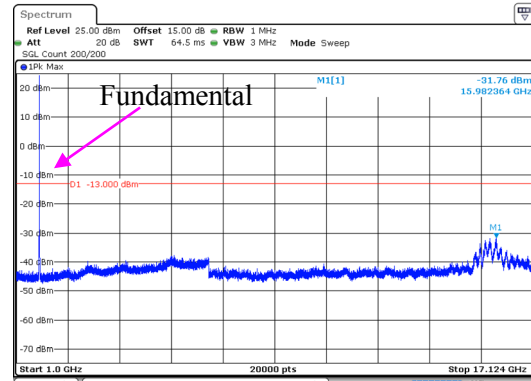
ProjectNo: RKSA250928001 Tester:Hugh Wu  
Date: 10 OCT.2025 16:10:16

**WCDMA Band IV:**

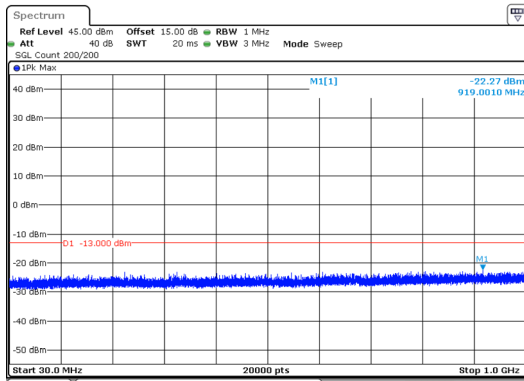
30 MHz – 1GHz WCDMA (Rel 99) Mode, Low channel

ProjectNo: RKSA250928001 Tester:Hugh Wu  
Date: 10 OCT 2025 10:39:06

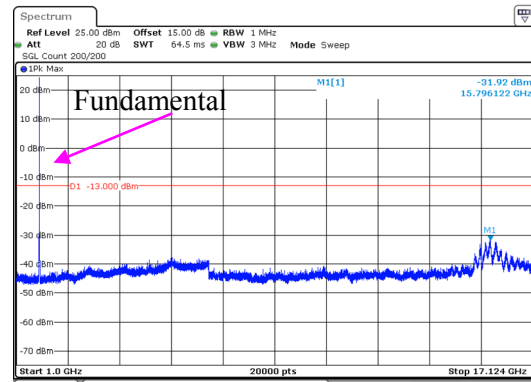
GHz – 17.124 GHz WCDMA (Rel 99) Mode, Low channel

ProjectNo: RKSA250928001 Tester:Hugh Wu  
Date: 10 OCT 2025 10:40:10

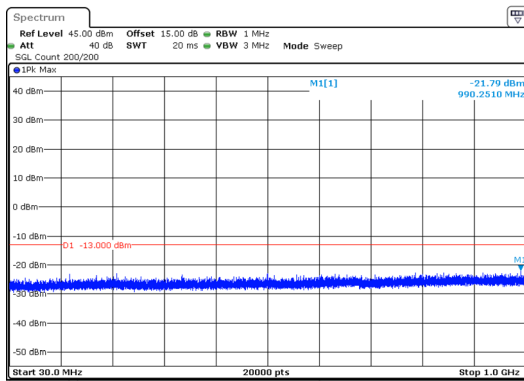
30 MHz – 1GHz WCDMA (HSDPA) Mode, Low channel

ProjectNo: RKSA250928001 Tester:Hugh Wu  
Date: 10 OCT 2025 14:06:58

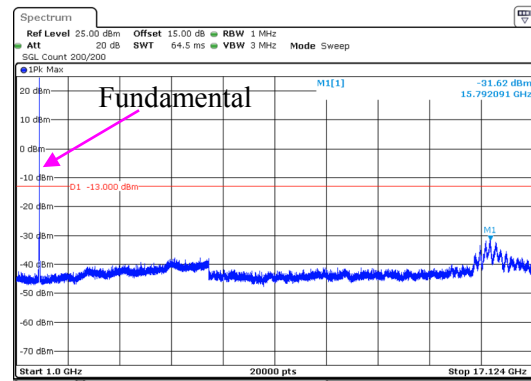
1 GHz – 17.124 GHz WCDMA (HSDPA) Mode, Low channel

ProjectNo: RKSA250928001 Tester:Hugh Wu  
Date: 10 OCT 2025 14:08:17

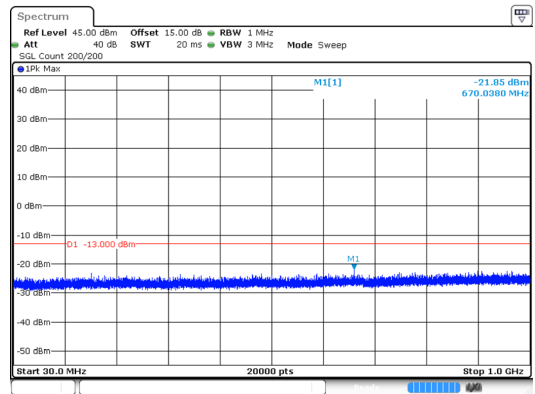
30 MHz – 1GHz WCDMA (HSUPA) Mode, Low channel

ProjectNo: RKSA250928001 Tester:Hugh Wu  
Date: 10 OCT 2025 13:30:45

1 GHz – 17.124 GHz WCDMA (HSUPA) Mode, Low channel

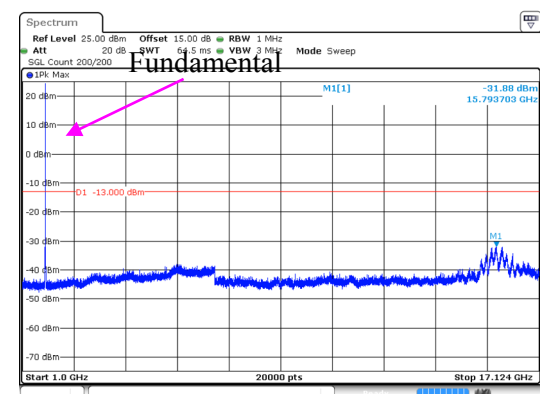
ProjectNo: RKSA250928001 Tester:Hugh Wu  
Date: 10 OCT 2025 13:31:51

30 MHz – 1GHz WCDMA (HSPA+) Mode, Low channel



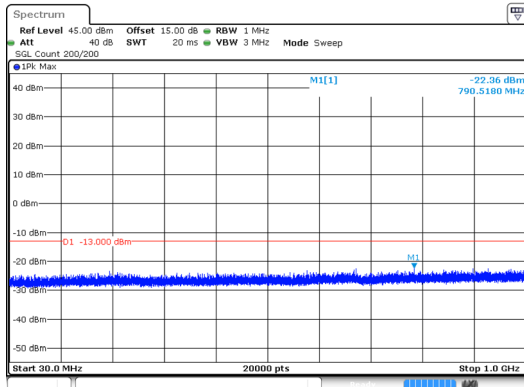
ProjectNo: RKSA250928001 Tester:Hugh Wu  
Date: 10 OCT.2025 16:10:49

1 GHz –17.124 GHz WCDMA (HSPA+) Mode, Low channel



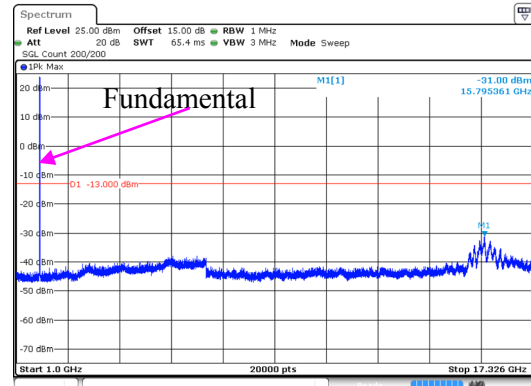
ProjectNo: RKSA250928001 Tester:Hugh Wu  
Date: 10 OCT.2025 16:11:51

30 MHz – 1GHz WCDMA (Rel 99) Mode, Middle channel



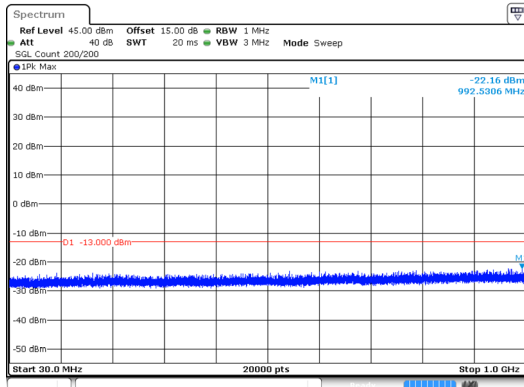
ProjectNo: RKSA250928001 Tester:Hugh Wu  
Date: 10 OCT.2025 10:40:40

1 GHz – 17.326 GHz WCDMA (Rel 99) Mode, Middle channel



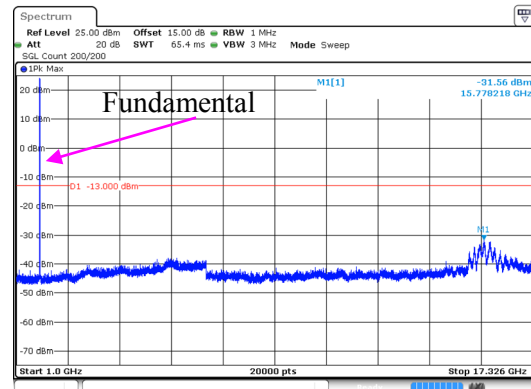
ProjectNo: RKSA250928001 Tester:Hugh Wu  
Date: 10 OCT.2025 10:41:43

30 MHz – 1GHz WCDMA (HSDPA) Mode, Middle channel



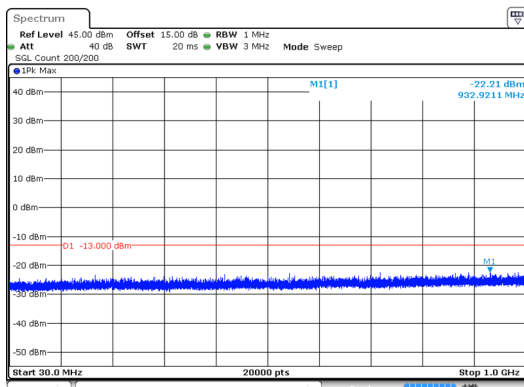
ProjectNo: RKSA250928001 Tester:Hugh Wu  
Date: 10 OCT.2025 14:08:49

1 GHz – 17.326 GHz WCDMA (HSDPA) Mode, Middle channel



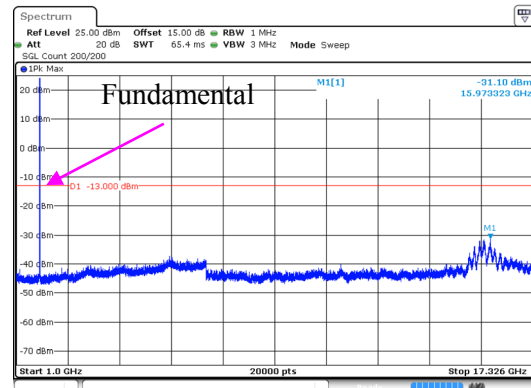
ProjectNo: RKSA250928001 Tester:Hugh Wu  
Date: 10 OCT.2025 14:09:50

30 MHz – 1GHz WCDMA (HSUPA) Mode, Middle channel



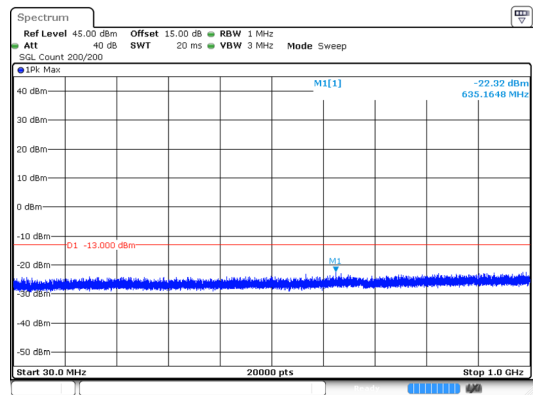
ProjectNo: RKSA250928001 Tester:Hugh Wu  
Date: 10 OCT.2025 13:32:22

1 GHz – 18 GHz WCDMA (HSUPA) Mode, Middle channel



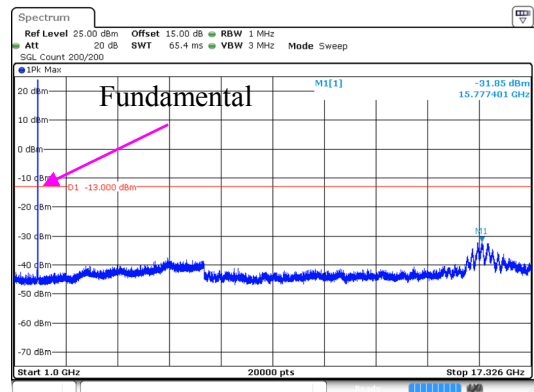
ProjectNo: RKSA250928001 Tester:Hugh Wu  
Date: 10 OCT.2025 13:33:47

30 MHz – 1GHz WCDMA (HSPA+) Mode, Middle channel



ProjectNo. RKSA250928001 Tester:Hugh Wu  
Date: 10 OCT.2025 16:12:21

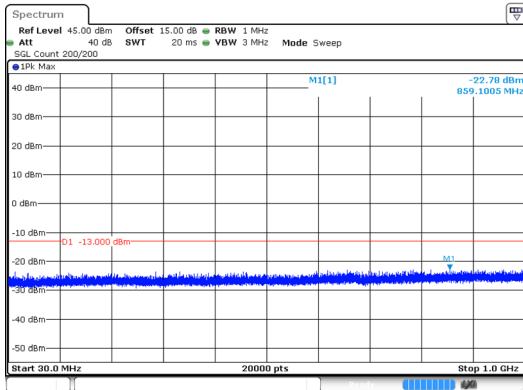
1 GHz –17.326 GHz WCDMA (HSPA+) Mode, Middle channel



ProjectNo. RKSA250928001 Tester:Hugh Wu  
Date: 10 OCT.2025 16:13:24

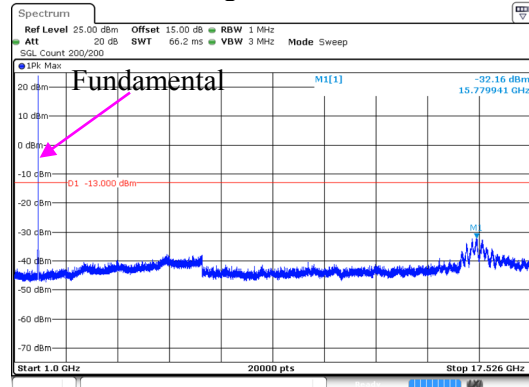


30 MHz – 1GHz WCDMA (Rel 99) Mode, High channel



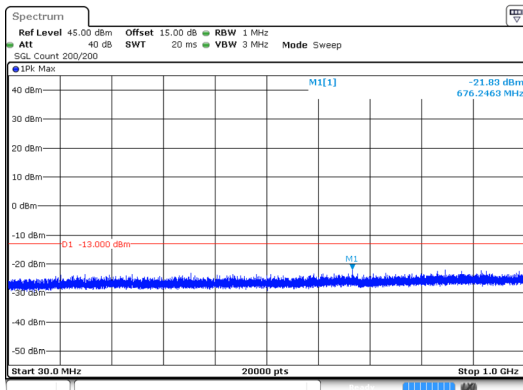
ProjectNo. RKSA250928001 Tester:Hugh Wu  
 Date: 10 OCT.2025 10:42:15

1 GHz – 17.526 GHz WCDMA (Rel 99) Mode, High channel



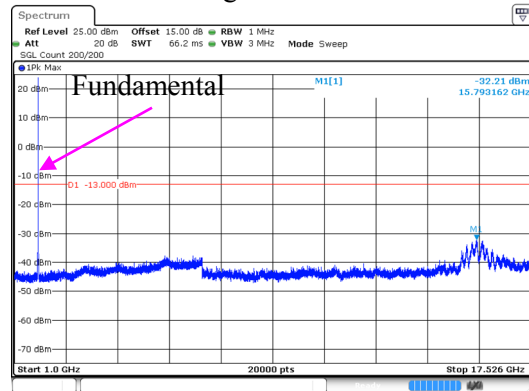
ProjectNo. RKSA250928001 Tester:Hugh Wu  
 Date: 10 OCT.2025 10:43:16

30 MHz – 1GHz WCDMA (HSDPA) Mode, High channel



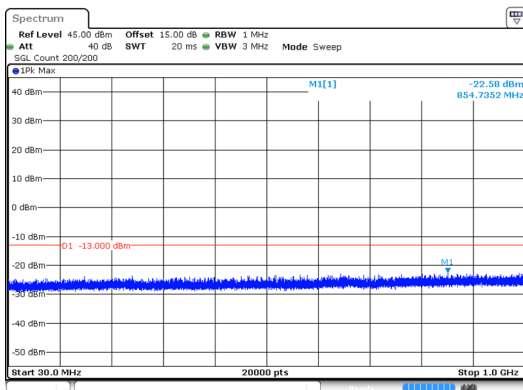
ProjectNo. RKSA250928001 Tester:Hugh Wu  
 Date: 10 OCT.2025 14:10:21

1 GHz – 17.526 GHz WCDMA (HSDPA) Mode, High channel



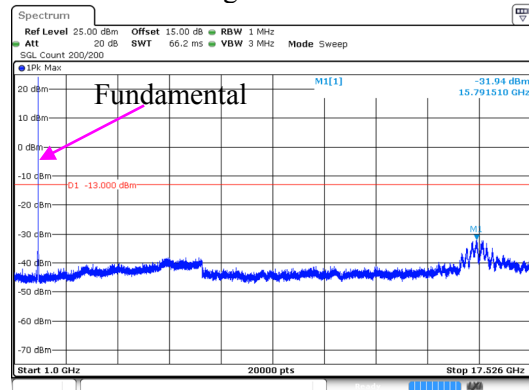
ProjectNo. RKSA250928001 Tester:Hugh Wu  
 Date: 10 OCT.2025 14:11:23

30 MHz – 1GHz WCDMA (HSUPA) Mode, High channel



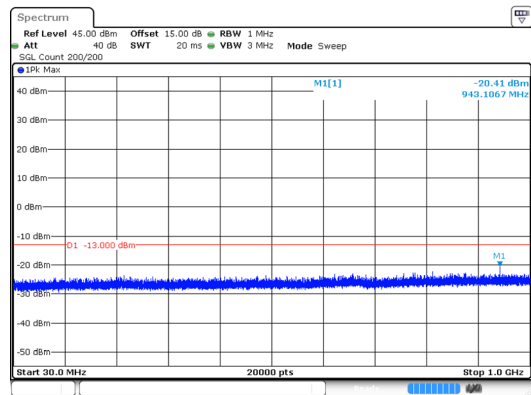
ProjectNo. RKSA250928001 Tester:Hugh Wu  
 Date: 10 OCT.2025 13:34:18

1 GHz – 17.526 GHz WCDMA (HSUPA) Mode, High channel



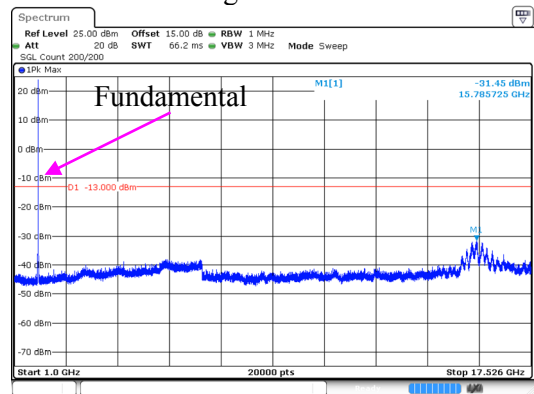
ProjectNo. RKSA250928001 Tester:Hugh Wu  
 Date: 10 OCT.2025 13:35:33

30 MHz – 1GHz WCDMA (HSPA+) Mode, High channel



ProjectNo. RKSA250928001 Tester:Hugh Wu  
Date: 10 OCT.2025 16:13:55

1 GHz – 17.526 GHz WCDMA (HSPA+) Mode, High channel



ProjectNo. RKSA250928001 Tester:Hugh Wu  
Date: 10 OCT.2025 16:15:21

**SPURIOUS RADIATED EMISSIONS****Environmental Conditions & Test Information**

|                           |                          |
|---------------------------|--------------------------|
| <b>Test Date:</b>         | 2025-10-15 to 2025-10-18 |
| <b>Temperature:</b>       | 24-26.5 °C               |
| <b>Relative Humidity:</b> | 51-55 %                  |
| <b>ATM Pressure:</b>      | 100.2-101.5 kPa          |
| <b>Test Result:</b>       | Pass                     |
| <b>Test Engineer:</b>     | Jason Lu                 |

Test mode: Transmitting (Pre-scan in the X, Y and Z axes of orientation, then Pre-scan with all the bandwidth in the worst orientation, and worst case as below)

**Note:** “Δ” marks the Radiated Emission (30MHz-1GHz) of adapter-1.

“◇” marks the Radiated Emission (30MHz-1GHz) of adapter-2.

**30 MHz - 10 GHz:****GPRS 850 Band**

| Frequency<br>(MHz)        | Receiver<br>Reading<br>(dBμV) | Rx<br>Antenna  | Substituted                 |                       |                              | Absolute<br>Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|---------------------------|-------------------------------|----------------|-----------------------------|-----------------------|------------------------------|----------------------------|----------------|----------------|
|                           |                               | Polar<br>(H/V) | Submitted<br>Level<br>(dBm) | Cable<br>Loss<br>(dB) | Antenna<br>Gain<br>(dBd/dBi) |                            |                |                |
| GPRS Mode, Low channel    |                               |                |                             |                       |                              |                            |                |                |
| Δ 265.40                  | 40.79                         | H              | -62.42                      | 0.45                  | -2.22                        | -65.09                     | -13            | 52.09          |
| Δ 265.40                  | 44.98                         | V              | -63.59                      | 0.45                  | -2.22                        | -66.26                     | -13            | 53.26          |
| ◇ 251.40                  | 39.13                         | H              | -62.45                      | 0.44                  | -2.25                        | -65.14                     | -13            | 52.14          |
| ◇ 251.40                  | 45.95                         | V              | -63.65                      | 0.44                  | -2.25                        | -66.34                     | -13            | 53.34          |
| 1648.40                   | 64.90                         | H              | -48.45                      | 0.84                  | 8.44                         | -40.85                     | -13            | 27.85          |
| 1648.40                   | 63.57                         | V              | -49.78                      | 0.84                  | 8.44                         | -42.18                     | -13            | 29.18          |
| GPRS Mode, Middle channel |                               |                |                             |                       |                              |                            |                |                |
| Δ265.40                   | 40.85                         | H              | -62.36                      | 0.45                  | -2.22                        | -65.03                     | -13            | 52.03          |
| Δ265.40                   | 44.97                         | V              | -63.60                      | 0.45                  | -2.22                        | -66.27                     | -13            | 53.27          |
| ◇ 251.40                  | 38.81                         | H              | -62.77                      | 0.44                  | -2.25                        | -65.46                     | -13            | 52.46          |
| ◇ 251.40                  | 45.71                         | V              | -63.89                      | 0.44                  | -2.25                        | -66.58                     | -13            | 53.58          |
| 1673.20                   | 64.29                         | H              | -48.88                      | 0.84                  | 8.48                         | -41.24                     | -13            | 28.24          |
| 1673.20                   | 62.77                         | V              | -50.40                      | 0.84                  | 8.48                         | -42.76                     | -13            | 29.76          |
| GPRS Mode, High channel   |                               |                |                             |                       |                              |                            |                |                |
| Δ265.40                   | 40.62                         | H              | -62.59                      | 0.45                  | -2.22                        | -65.26                     | -13            | 52.26          |
| Δ265.40                   | 44.59                         | V              | -63.98                      | 0.45                  | -2.22                        | -66.65                     | -13            | 53.65          |
| ◇ 251.40                  | 39.16                         | H              | -62.42                      | 0.44                  | -2.25                        | -65.11                     | -13            | 52.11          |
| ◇ 251.40                  | 45.87                         | V              | -63.73                      | 0.44                  | -2.25                        | -66.42                     | -13            | 53.42          |
| 1697.60                   | 64.08                         | H              | -48.92                      | 0.84                  | 8.52                         | -41.24                     | -13            | 28.24          |
| 1697.60                   | 63.06                         | V              | -49.94                      | 0.84                  | 8.52                         | -42.26                     | -13            | 29.26          |

**WCDMA Band V**

| Frequency<br>(MHz) | Receiver<br>Reading<br>(dBμV) | Rx<br>Antenna  | Substituted                 |                       |                              | Absolute<br>Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|--------------------|-------------------------------|----------------|-----------------------------|-----------------------|------------------------------|----------------------------|----------------|----------------|
|                    |                               | Polar<br>(H/V) | Submitted<br>Level<br>(dBm) | Cable<br>Loss<br>(dB) | Antenna<br>Gain<br>(dBd/dBi) |                            |                |                |
| Low channel        |                               |                |                             |                       |                              |                            |                |                |
| Δ269.70            | 38.49                         | H              | -65.22                      | 0.45                  | -2.21                        | -67.88                     | -13            | 54.88          |
| Δ269.70            | 41.74                         | V              | -66.51                      | 0.45                  | -2.21                        | -69.17                     | -13            | 56.17          |
| ◇ 292.30           | 40.72                         | H              | -65.61                      | 0.46                  | -2.17                        | -68.24                     | -13            | 55.24          |
| ◇ 292.30           | 40.07                         | V              | -66.53                      | 0.46                  | -2.17                        | -69.16                     | -13            | 56.16          |
| 1652.80            | 60.65                         | H              | -52.66                      | 0.84                  | 8.44                         | -45.06                     | -13            | 32.06          |
| 1652.80            | 61.95                         | V              | -51.36                      | 0.84                  | 8.44                         | -43.76                     | -13            | 30.76          |
| Middle channel     |                               |                |                             |                       |                              |                            |                |                |
| Δ269.70            | 38.20                         | H              | -65.51                      | 0.45                  | -2.21                        | -68.17                     | -13            | 55.17          |
| Δ269.70            | 41.97                         | V              | -66.28                      | 0.45                  | -2.21                        | -68.94                     | -13            | 55.94          |
| ◇ 292.30           | 40.90                         | H              | -65.43                      | 0.46                  | -2.17                        | -68.06                     | -13            | 55.06          |
| ◇ 292.30           | 40.00                         | V              | -66.60                      | 0.46                  | -2.17                        | -69.23                     | -13            | 56.23          |
| 1673.20            | 60.18                         | H              | -52.99                      | 0.84                  | 8.48                         | -45.35                     | -13            | 32.35          |
| 1673.20            | 61.59                         | V              | -51.58                      | 0.84                  | 8.48                         | -43.94                     | -13            | 30.94          |
| High channel       |                               |                |                             |                       |                              |                            |                |                |
| Δ269.70            | 38.48                         | H              | -65.23                      | 0.45                  | -2.21                        | -67.89                     | -13            | 54.89          |
| Δ269.70            | 41.58                         | V              | -66.67                      | 0.45                  | -2.21                        | -69.33                     | -13            | 56.33          |
| ◇ 292.30           | 40.78                         | H              | -65.55                      | 0.46                  | -2.17                        | -68.18                     | -13            | 55.18          |
| ◇ 292.30           | 40.28                         | V              | -66.32                      | 0.46                  | -2.17                        | -68.95                     | -13            | 55.95          |
| 1693.20            | 59.92                         | H              | -53.11                      | 0.84                  | 8.51                         | -45.44                     | -13            | 32.44          |
| 1693.20            | 61.74                         | V              | -51.29                      | 0.84                  | 8.51                         | -43.62                     | -13            | 30.62          |

**30 MHz ~ 20 GHz:****PCS 1900 Band**

| Frequency<br>(MHz) | Receiver<br>Reading<br>(dBμV) | Rx<br>Antenna  | Substituted                 |                       |                              | Absolute<br>Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|--------------------|-------------------------------|----------------|-----------------------------|-----------------------|------------------------------|----------------------------|----------------|----------------|
|                    |                               | Polar<br>(H/V) | Submitted<br>Level<br>(dBm) | Cable<br>Loss<br>(dB) | Antenna<br>Gain<br>(dBd/dBi) |                            |                |                |
| Low channel        |                               |                |                             |                       |                              |                            |                |                |
| Δ283.50            | 44.74                         | H              | -60.57                      | 0.45                  | -2.18                        | -63.20                     | -13            | 50.20          |
| Δ283.50            | 45.78                         | V              | -61.46                      | 0.45                  | -2.18                        | -64.09                     | -13            | 51.09          |
| ◇266.70            | 42.61                         | H              | -60.75                      | 0.45                  | -2.22                        | -63.42                     | -13            | 50.42          |
| ◇266.70            | 46.93                         | V              | -61.54                      | 0.45                  | -2.22                        | -64.21                     | -13            | 51.21          |
| 3700.40            | 53.16                         | H              | -53.81                      | 0.95                  | 9.78                         | -44.98                     | -13            | 31.98          |
| 3700.40            | 51.93                         | V              | -55.04                      | 0.95                  | 9.78                         | -46.21                     | -13            | 33.21          |
| Middle channel     |                               |                |                             |                       |                              |                            |                |                |
| Δ283.50            | 44.79                         | H              | -60.52                      | 0.45                  | -2.18                        | -63.15                     | -13            | 50.15          |
| Δ283.50            | 45.81                         | V              | -61.43                      | 0.45                  | -2.18                        | -64.06                     | -13            | 51.06          |
| ◇266.70            | 42.47                         | H              | -60.89                      | 0.45                  | -2.22                        | -63.56                     | -13            | 50.56          |
| ◇266.70            | 46.67                         | V              | -61.80                      | 0.45                  | -2.22                        | -64.47                     | -13            | 51.47          |
| 3760.00            | 52.89                         | H              | -53.89                      | 0.95                  | 9.74                         | -45.10                     | -13            | 32.10          |
| 3760.00            | 53.12                         | V              | -53.66                      | 0.95                  | 9.74                         | -44.87                     | -13            | 31.87          |
| High channel       |                               |                |                             |                       |                              |                            |                |                |
| Δ283.50            | 44.52                         | H              | -60.79                      | 0.45                  | -2.18                        | -63.42                     | -13            | 50.42          |
| Δ283.50            | 45.83                         | V              | -61.41                      | 0.45                  | -2.18                        | -64.04                     | -13            | 51.04          |
| ◇266.70            | 42.86                         | H              | -60.50                      | 0.45                  | -2.22                        | -63.17                     | -13            | 50.17          |
| ◇266.70            | 46.99                         | V              | -61.48                      | 0.45                  | -2.22                        | -64.15                     | -13            | 51.15          |
| 3819.60            | 52.92                         | H              | -53.67                      | 0.96                  | 9.71                         | -44.92                     | -13            | 31.92          |
| 3819.60            | 54.15                         | V              | -52.44                      | 0.96                  | 9.71                         | -43.69                     | -13            | 30.69          |

**WCDMA Band II**

| Frequency<br>(MHz) | Receiver<br>Reading<br>(dBμV) | Rx<br>Antenna  | Substituted                 |                       |                              | Absolute<br>Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|--------------------|-------------------------------|----------------|-----------------------------|-----------------------|------------------------------|----------------------------|----------------|----------------|
|                    |                               | Polar<br>(H/V) | Submitted<br>Level<br>(dBm) | Cable<br>Loss<br>(dB) | Antenna<br>Gain<br>(dBd/dBi) |                            |                |                |
| Low channel        |                               |                |                             |                       |                              |                            |                |                |
| Δ296.40            | 45.17                         | H              | -61.63                      | 0.46                  | -2.16                        | -64.25                     | -13            | 51.25          |
| Δ296.40            | 43.35                         | V              | -62.94                      | 0.46                  | -2.16                        | -65.56                     | -13            | 52.56          |
| ◇271.80            | 42.58                         | H              | -61.37                      | 0.45                  | -2.21                        | -64.03                     | -13            | 51.03          |
| ◇271.80            | 45.03                         | V              | -63.07                      | 0.45                  | -2.21                        | -65.73                     | -13            | 52.73          |
| 3704.80            | 54.88                         | H              | -52.07                      | 0.95                  | 9.78                         | -43.24                     | -13            | 30.24          |
| 3704.80            | 54.72                         | V              | -52.23                      | 0.95                  | 9.78                         | -43.40                     | -13            | 30.40          |
| Middle channel     |                               |                |                             |                       |                              |                            |                |                |
| Δ296.40            | 45.40                         | H              | -61.40                      | 0.46                  | -2.16                        | -64.02                     | -13            | 51.02          |
| Δ296.40            | 43.40                         | V              | -62.89                      | 0.46                  | -2.16                        | -65.51                     | -13            | 52.51          |
| ◇271.80            | 42.43                         | H              | -61.52                      | 0.45                  | -2.21                        | -64.18                     | -13            | 51.18          |
| ◇271.80            | 45.26                         | V              | -62.84                      | 0.45                  | -2.21                        | -65.50                     | -13            | 52.50          |
| 3760.00            | 54.57                         | H              | -52.21                      | 0.95                  | 9.74                         | -43.42                     | -13            | 30.42          |
| 3760.00            | 54.92                         | V              | -51.86                      | 0.95                  | 9.74                         | -43.07                     | -13            | 30.07          |
| High channel       |                               |                |                             |                       |                              |                            |                |                |
| Δ296.40            | 44.93                         | H              | -61.87                      | 0.46                  | -2.16                        | -64.49                     | -13            | 51.49          |
| Δ296.40            | 43.46                         | V              | -62.83                      | 0.46                  | -2.16                        | -65.45                     | -13            | 52.45          |
| ◇271.80            | 42.39                         | H              | -61.56                      | 0.45                  | -2.21                        | -64.22                     | -13            | 51.22          |
| ◇271.80            | 44.92                         | V              | -63.18                      | 0.45                  | -2.21                        | -65.84                     | -13            | 52.84          |
| 3815.20            | 54.52                         | H              | -52.08                      | 0.96                  | 9.71                         | -43.33                     | -13            | 30.33          |
| 3815.20            | 55.55                         | V              | -51.05                      | 0.96                  | 9.71                         | -42.30                     | -13            | 29.30          |

**WCDMA Band IV**

| Frequency<br>(MHz) | Receiver<br>Reading<br>(dBμV) | Rx<br>Antenna  | Substituted                 |                       |                              | Absolute<br>Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|--------------------|-------------------------------|----------------|-----------------------------|-----------------------|------------------------------|----------------------------|----------------|----------------|
|                    |                               | Polar<br>(H/V) | Submitted<br>Level<br>(dBm) | Cable<br>Loss<br>(dB) | Antenna<br>Gain<br>(dBd/dBi) |                            |                |                |
| Low channel        |                               |                |                             |                       |                              |                            |                |                |
| Δ272.90            | 41.80                         | H              | -62.28                      | 0.45                  | -2.20                        | -64.93                     | -13            | 51.93          |
| Δ272.90            | 44.66                         | V              | -63.36                      | 0.45                  | -2.20                        | -66.01                     | -13            | 53.01          |
| ◇269.70            | 41.60                         | H              | -62.11                      | 0.45                  | -2.21                        | -64.77                     | -13            | 51.77          |
| ◇269.70            | 45.12                         | V              | -63.13                      | 0.45                  | -2.21                        | -65.79                     | -13            | 52.79          |
| 3424.80            | 53.44                         | H              | -54.48                      | 0.93                  | 9.83                         | -45.58                     | -13            | 32.58          |
| 3424.80            | 54.77                         | V              | -53.15                      | 0.93                  | 9.83                         | -44.25                     | -13            | 31.25          |
| Middle channel     |                               |                |                             |                       |                              |                            |                |                |
| Δ272.90            | 41.93                         | H              | -62.15                      | 0.45                  | -2.20                        | -64.80                     | -13            | 51.80          |
| Δ272.90            | 44.62                         | V              | -63.40                      | 0.45                  | -2.20                        | -66.05                     | -13            | 53.05          |
| ◇269.70            | 41.49                         | H              | -62.22                      | 0.45                  | -2.21                        | -64.88                     | -13            | 51.88          |
| ◇269.70            | 44.95                         | V              | -63.30                      | 0.45                  | -2.21                        | -65.96                     | -13            | 52.96          |
| 3465.20            | 53.29                         | H              | -54.46                      | 0.93                  | 9.87                         | -45.52                     | -13            | 32.52          |
| 3465.20            | 52.20                         | V              | -55.55                      | 0.93                  | 9.87                         | -46.61                     | -13            | 33.61          |
| High channel       |                               |                |                             |                       |                              |                            |                |                |
| Δ272.90            | 41.77                         | H              | -62.31                      | 0.45                  | -2.20                        | -64.96                     | -13            | 51.96          |
| Δ272.90            | 44.50                         | V              | -63.52                      | 0.45                  | -2.20                        | -66.17                     | -13            | 53.17          |
| ◇269.70            | 41.52                         | H              | -62.19                      | 0.45                  | -2.21                        | -64.85                     | -13            | 51.85          |
| ◇269.70            | 45.03                         | V              | -63.22                      | 0.45                  | -2.21                        | -65.88                     | -13            | 52.88          |
| 3505.20            | 52.98                         | H              | -54.60                      | 0.93                  | 9.90                         | -45.63                     | -13            | 32.63          |
| 3505.20            | 54.62                         | V              | -52.96                      | 0.93                  | 9.90                         | -43.99                     | -13            | 30.99          |

Test mode: Transmitting (Pre-scan with 1RB of all the bandwidth, and worst case as below)

**30 MHz ~ 10 GHz:**

**LTE Band 5:**

| Frequency<br>(MHz)                     | Receiver<br>Reading<br>(dBμV) | Rx<br>Antenna  | Substituted                 |                       |                              | Absolute<br>Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|----------------------------------------|-------------------------------|----------------|-----------------------------|-----------------------|------------------------------|----------------------------|----------------|----------------|
|                                        |                               | Polar<br>(H/V) | Submitted<br>Level<br>(dBm) | Cable<br>Loss<br>(dB) | Antenna<br>Gain<br>(dBd/dBi) |                            |                |                |
| QPSK 1.4MHz Bandwidth Low Channel      |                               |                |                             |                       |                              |                            |                |                |
| Δ253.50                                | 44.52                         | H              | -57.31                      | 0.44                  | -2.24                        | -59.99                     | -13            | 46.99          |
| Δ253.50                                | 51.01                         | V              | -58.43                      | 0.44                  | -2.24                        | -61.11                     | -13            | 48.11          |
| ◇267.20                                | 45.95                         | H              | -57.47                      | 0.45                  | -2.22                        | -60.14                     | -13            | 47.14          |
| ◇267.20                                | 49.93                         | V              | -58.51                      | 0.45                  | -2.22                        | -61.18                     | -13            | 48.18          |
| 1649.40                                | 62.59                         | H              | -50.75                      | 0.84                  | 8.44                         | -43.15                     | -13            | 30.15          |
| 1649.40                                | 63.30                         | V              | -50.04                      | 0.84                  | 8.44                         | -42.44                     | -13            | 29.44          |
| 16-QAM 1.4MHz Bandwidth Low Channel    |                               |                |                             |                       |                              |                            |                |                |
| Δ253.50                                | 44.57                         | H              | -57.26                      | 0.44                  | -2.24                        | -59.94                     | -13            | 46.94          |
| Δ253.50                                | 50.85                         | V              | -58.59                      | 0.44                  | -2.24                        | -61.27                     | -13            | 48.27          |
| ◇267.20                                | 45.87                         | H              | -57.55                      | 0.45                  | -2.22                        | -60.22                     | -13            | 47.22          |
| ◇267.20                                | 49.81                         | V              | -58.63                      | 0.45                  | -2.22                        | -61.30                     | -13            | 48.30          |
| 1649.40                                | 62.30                         | H              | -51.04                      | 0.84                  | 8.44                         | -43.44                     | -13            | 30.44          |
| 1649.40                                | 64.01                         | V              | -49.33                      | 0.84                  | 8.44                         | -41.73                     | -13            | 28.73          |
| QPSK 1.4MHz Bandwidth Middle Channel   |                               |                |                             |                       |                              |                            |                |                |
| Δ253.50                                | 44.49                         | H              | -57.34                      | 0.44                  | -2.24                        | -60.02                     | -13            | 47.02          |
| Δ253.50                                | 51.13                         | V              | -58.31                      | 0.44                  | -2.24                        | -60.99                     | -13            | 47.99          |
| ◇267.20                                | 45.99                         | H              | -57.43                      | 0.45                  | -2.22                        | -60.10                     | -13            | 47.10          |
| ◇267.20                                | 50.07                         | V              | -58.37                      | 0.45                  | -2.22                        | -61.04                     | -13            | 48.04          |
| 1673.00                                | 62.23                         | H              | -50.94                      | 0.84                  | 8.48                         | -43.30                     | -13            | 30.30          |
| 1673.00                                | 61.34                         | V              | -51.83                      | 0.84                  | 8.48                         | -44.19                     | -13            | 31.19          |
| 16-QAM 1.4MHz Bandwidth Middle Channel |                               |                |                             |                       |                              |                            |                |                |
| Δ253.50                                | 44.56                         | H              | -57.27                      | 0.44                  | -2.24                        | -59.95                     | -13            | 46.95          |
| Δ253.50                                | 50.84                         | V              | -58.60                      | 0.44                  | -2.24                        | -61.28                     | -13            | 48.28          |
| ◇267.20                                | 46.01                         | H              | -57.41                      | 0.45                  | -2.22                        | -60.08                     | -13            | 47.08          |
| ◇267.20                                | 49.94                         | V              | -58.50                      | 0.45                  | -2.22                        | -61.17                     | -13            | 48.17          |
| 1673.00                                | 62.52                         | H              | -50.65                      | 0.84                  | 8.48                         | -43.01                     | -13            | 30.01          |
| 1673.00                                | 62.25                         | V              | -50.92                      | 0.84                  | 8.48                         | -43.28                     | -13            | 30.28          |
| QPSK 1.4MHz Bandwidth High Channel     |                               |                |                             |                       |                              |                            |                |                |
| Δ253.50                                | 44.64                         | H              | -57.19                      | 0.44                  | -2.24                        | -59.87                     | -13            | 46.87          |
| Δ253.50                                | 50.97                         | V              | -58.47                      | 0.44                  | -2.24                        | -61.15                     | -13            | 48.15          |
| ◇267.20                                | 46.05                         | H              | -57.37                      | 0.45                  | -2.22                        | -60.04                     | -13            | 47.04          |
| ◇267.20                                | 50.04                         | V              | -58.40                      | 0.45                  | -2.22                        | -61.07                     | -13            | 48.07          |
| 1696.60                                | 62.24                         | H              | -50.77                      | 0.84                  | 8.52                         | -43.09                     | -13            | 30.09          |
| 1696.60                                | 62.14                         | V              | -50.87                      | 0.84                  | 8.52                         | -43.19                     | -13            | 30.19          |



| Frequency<br>(MHz)                   | Receiver<br>Reading<br>(dBμV) | Rx<br>Antenna  | Substituted                 |                       |                              | Absolute<br>Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|--------------------------------------|-------------------------------|----------------|-----------------------------|-----------------------|------------------------------|----------------------------|----------------|----------------|
|                                      |                               | Polar<br>(H/V) | Submitted<br>Level<br>(dBm) | Cable<br>Loss<br>(dB) | Antenna<br>Gain<br>(dBd/dBi) |                            |                |                |
| 16-QAM 1.4MHz Bandwidth High Channel |                               |                |                             |                       |                              |                            |                |                |
| Δ253.50                              | 44.35                         | H              | -57.48                      | 0.44                  | -2.24                        | -60.16                     | -13            | 47.16          |
| Δ253.50                              | 50.86                         | V              | -58.58                      | 0.44                  | -2.24                        | -61.26                     | -13            | 48.26          |
| ◇267.20                              | 45.85                         | H              | -57.57                      | 0.45                  | -2.22                        | -60.24                     | -13            | 47.24          |
| ◇267.20                              | 49.86                         | V              | -58.58                      | 0.45                  | -2.22                        | -61.25                     | -13            | 48.25          |
| 1696.60                              | 62.27                         | H              | -50.74                      | 0.84                  | 8.52                         | -43.06                     | -13            | 30.06          |
| 1696.60                              | 61.61                         | V              | -51.40                      | 0.84                  | 8.52                         | -43.72                     | -13            | 30.72          |

**LTE Band 12:**

| Frequency<br>(MHz)                   | Receiver<br>Reading<br>(dBμV) | Rx<br>Antenna  | Substituted                 |                       |                              | Absolute<br>Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|--------------------------------------|-------------------------------|----------------|-----------------------------|-----------------------|------------------------------|----------------------------|----------------|----------------|
|                                      |                               | Polar<br>(H/V) | Submitted<br>Level<br>(dBm) | Cable<br>Loss<br>(dB) | Antenna<br>Gain<br>(dBd/dBi) |                            |                |                |
| QPSK 1.4MHz Bandwidth Low Channel    |                               |                |                             |                       |                              |                            |                |                |
| Δ272.90                              | 49.39                         | H              | -54.69                      | 0.45                  | -2.20                        | -57.34                     | -13            | 44.34          |
| Δ272.90                              | 52.57                         | V              | -55.45                      | 0.45                  | -2.20                        | -58.10                     | -13            | 45.10          |
| ◇252.90                              | 47.17                         | H              | -54.59                      | 0.44                  | -2.24                        | -57.27                     | -13            | 44.27          |
| ◇252.90                              | 53.73                         | V              | -55.76                      | 0.44                  | -2.24                        | -58.44                     | -13            | 45.44          |
| 1399.40                              | 57.74                         | H              | -56.43                      | 0.82                  | 7.92                         | -49.33                     | -13            | 36.33          |
| 1399.40                              | 57.93                         | V              | -56.24                      | 0.82                  | 7.92                         | -49.14                     | -13            | 36.14          |
| 16-QAM 1.4MHz Bandwidth Low Channel  |                               |                |                             |                       |                              |                            |                |                |
| Δ272.90                              | 49.69                         | H              | -54.39                      | 0.45                  | -2.20                        | -57.04                     | -13            | 44.04          |
| Δ272.90                              | 52.52                         | V              | -55.50                      | 0.45                  | -2.20                        | -58.15                     | -13            | 45.15          |
| ◇252.90                              | 47.58                         | H              | -54.18                      | 0.44                  | -2.24                        | -56.86                     | -13            | 43.86          |
| ◇252.90                              | 54.11                         | V              | -55.38                      | 0.44                  | -2.24                        | -58.06                     | -13            | 45.06          |
| 1399.40                              | 57.80                         | H              | -56.37                      | 0.82                  | 7.92                         | -49.27                     | -13            | 36.27          |
| 1399.40                              | 58.62                         | V              | -55.55                      | 0.82                  | 7.92                         | -48.45                     | -13            | 35.45          |
| QPSK 1.4MHz Bandwidth Middle Channel |                               |                |                             |                       |                              |                            |                |                |
| Δ272.90                              | 49.44                         | H              | -54.64                      | 0.45                  | -2.20                        | -57.29                     | -13            | 44.29          |
| Δ272.90                              | 52.53                         | V              | -55.49                      | 0.45                  | -2.20                        | -58.14                     | -13            | 45.14          |
| ◇252.90                              | 47.18                         | H              | -54.58                      | 0.44                  | -2.24                        | -57.26                     | -13            | 44.26          |
| ◇252.90                              | 53.73                         | V              | -55.76                      | 0.44                  | -2.24                        | -58.44                     | -13            | 45.44          |
| 1415.00                              | 57.56                         | H              | -56.64                      | 0.82                  | 7.96                         | -49.50                     | -13            | 36.50          |
| 1415.00                              | 57.80                         | V              | -56.40                      | 0.82                  | 7.96                         | -49.26                     | -13            | 36.26          |

| Frequency<br>(MHz)                     | Receiver<br>Reading<br>(dBμV) | Rx<br>Antenna  | Substituted                 |                       |                              | Absolute<br>Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|----------------------------------------|-------------------------------|----------------|-----------------------------|-----------------------|------------------------------|----------------------------|----------------|----------------|
|                                        |                               | Polar<br>(H/V) | Submitted<br>Level<br>(dBm) | Cable<br>Loss<br>(dB) | Antenna<br>Gain<br>(dBd/dBi) |                            |                |                |
| 16-QAM 1.4MHz Bandwidth Middle Channel |                               |                |                             |                       |                              |                            |                |                |
| Δ272.90                                | 49.58                         | H              | -54.50                      | 0.45                  | -2.20                        | -57.15                     | -13            | 44.15          |
| Δ272.90                                | 52.23                         | V              | -55.79                      | 0.45                  | -2.20                        | -58.44                     | -13            | 45.44          |
| ◇252.90                                | 47.42                         | H              | -54.34                      | 0.44                  | -2.24                        | -57.02                     | -13            | 44.02          |
| ◇252.90                                | 53.70                         | V              | -55.79                      | 0.44                  | -2.24                        | -58.47                     | -13            | 45.47          |
| 1415.00                                | 57.91                         | H              | -56.29                      | 0.82                  | 7.96                         | -49.15                     | -13            | 36.15          |
| 1415.00                                | 57.49                         | V              | -56.71                      | 0.82                  | 7.96                         | -49.57                     | -13            | 36.57          |
| QPSK 1.4MHz Bandwidth High Channel     |                               |                |                             |                       |                              |                            |                |                |
| Δ272.90                                | 49.38                         | H              | -54.70                      | 0.45                  | -2.20                        | -57.35                     | -13            | 44.35          |
| Δ272.90                                | 52.53                         | V              | -55.49                      | 0.45                  | -2.20                        | -58.14                     | -13            | 45.14          |
| ◇252.90                                | 47.44                         | H              | -54.32                      | 0.44                  | -2.24                        | -57.00                     | -13            | 44.00          |
| ◇252.90                                | 53.90                         | V              | -55.59                      | 0.44                  | -2.24                        | -58.27                     | -13            | 45.27          |
| 1430.60                                | 57.66                         | H              | -56.57                      | 0.82                  | 8.01                         | -49.38                     | -13            | 36.38          |
| 1430.60                                | 59.00                         | V              | -55.23                      | 0.82                  | 8.01                         | -48.04                     | -13            | 35.04          |
| 16-QAM 1.4MHz Bandwidth High Channel   |                               |                |                             |                       |                              |                            |                |                |
| Δ272.90                                | 49.66                         | H              | -54.42                      | 0.45                  | -2.20                        | -57.07                     | -13            | 44.07          |
| Δ272.90                                | 52.36                         | V              | -55.66                      | 0.45                  | -2.20                        | -58.31                     | -13            | 45.31          |
| ◇252.90                                | 47.54                         | H              | -54.22                      | 0.44                  | -2.24                        | -56.90                     | -13            | 43.90          |
| ◇252.90                                | 53.63                         | V              | -55.86                      | 0.44                  | -2.24                        | -58.54                     | -13            | 45.54          |
| 1430.60                                | 58.00                         | H              | -56.23                      | 0.82                  | 8.01                         | -49.04                     | -13            | 36.04          |
| 1430.60                                | 57.54                         | V              | -56.69                      | 0.82                  | 8.01                         | -49.50                     | -13            | 36.50          |

**LTE Band 17:**

| Frequency<br>(MHz)                   | Receiver<br>Reading<br>(dBμV) | Rx<br>Antenna  | Substituted                 |                       |                              | Absolute<br>Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|--------------------------------------|-------------------------------|----------------|-----------------------------|-----------------------|------------------------------|----------------------------|----------------|----------------|
|                                      |                               | Polar<br>(H/V) | Submitted<br>Level<br>(dBm) | Cable<br>Loss<br>(dB) | Antenna<br>Gain<br>(dBd/dBi) |                            |                |                |
| QPSK 5MHz Bandwidth Low Channel      |                               |                |                             |                       |                              |                            |                |                |
| Δ261.40                              | 48.42                         | H              | -54.32                      | 0.44                  | -2.23                        | -56.99                     | -13            | 43.99          |
| Δ261.40                              | 52.99                         | V              | -55.87                      | 0.44                  | -2.23                        | -58.54                     | -13            | 45.54          |
| ◇242.80                              | 47.74                         | H              | -54.29                      | 0.44                  | -2.49                        | -57.22                     | -13            | 44.22          |
| ◇242.80                              | 53.60                         | V              | -55.43                      | 0.44                  | -2.49                        | -58.36                     | -13            | 45.36          |
| 1413.00                              | 61.30                         | H              | -52.90                      | 0.82                  | 7.96                         | -45.76                     | -13            | 32.76          |
| 1413.00                              | 60.02                         | V              | -54.18                      | 0.82                  | 7.96                         | -47.04                     | -13            | 34.04          |
| 16-QAM 5MHz Bandwidth Low Channel    |                               |                |                             |                       |                              |                            |                |                |
| Δ261.40                              | 48.14                         | H              | -54.60                      | 0.44                  | -2.23                        | -57.27                     | -13            | 44.27          |
| Δ261.40                              | 53.45                         | V              | -55.41                      | 0.44                  | -2.23                        | -58.08                     | -13            | 45.08          |
| ◇242.80                              | 47.86                         | H              | -54.17                      | 0.44                  | -2.49                        | -57.10                     | -13            | 44.10          |
| ◇242.80                              | 53.62                         | V              | -55.41                      | 0.44                  | -2.49                        | -58.34                     | -13            | 45.34          |
| 1413.00                              | 61.25                         | H              | -52.95                      | 0.82                  | 7.96                         | -45.81                     | -13            | 32.81          |
| 1413.00                              | 61.27                         | V              | -52.93                      | 0.82                  | 7.96                         | -45.79                     | -13            | 32.79          |
| QPSK 5MHz Bandwidth Middle Channel   |                               |                |                             |                       |                              |                            |                |                |
| Δ261.40                              | 48.13                         | H              | -54.61                      | 0.44                  | -2.23                        | -57.28                     | -13            | 44.28          |
| Δ261.40                              | 53.44                         | V              | -55.42                      | 0.44                  | -2.23                        | -58.09                     | -13            | 45.09          |
| ◇242.80                              | 47.67                         | H              | -54.36                      | 0.44                  | -2.49                        | -57.29                     | -13            | 44.29          |
| ◇242.80                              | 53.56                         | V              | -55.47                      | 0.44                  | -2.49                        | -58.40                     | -13            | 45.40          |
| 1420.00                              | 60.93                         | H              | -53.28                      | 0.82                  | 7.98                         | -46.12                     | -13            | 33.12          |
| 1420.00                              | 60.49                         | V              | -53.72                      | 0.82                  | 7.98                         | -46.56                     | -13            | 33.56          |
| 16-QAM 5MHz Bandwidth Middle Channel |                               |                |                             |                       |                              |                            |                |                |
| Δ261.40                              | 48.20                         | H              | -54.54                      | 0.44                  | -2.23                        | -57.21                     | -13            | 44.21          |
| Δ261.40                              | 53.22                         | V              | -55.64                      | 0.44                  | -2.23                        | -58.31                     | -13            | 45.31          |
| ◇242.80                              | 47.97                         | H              | -54.06                      | 0.44                  | -2.49                        | -56.99                     | -13            | 43.99          |
| ◇242.80                              | 53.40                         | V              | -55.63                      | 0.44                  | -2.49                        | -58.56                     | -13            | 45.56          |
| 1420.00                              | 60.85                         | H              | -53.36                      | 0.82                  | 7.98                         | -46.20                     | -13            | 33.20          |
| 1420.00                              | 59.39                         | V              | -54.82                      | 0.82                  | 7.98                         | -47.66                     | -13            | 34.66          |
| QPSK 5MHz Bandwidth High Channel     |                               |                |                             |                       |                              |                            |                |                |
| Δ261.40                              | 48.50                         | H              | -54.24                      | 0.44                  | -2.23                        | -56.91                     | -13            | 43.91          |
| Δ261.40                              | 53.23                         | V              | -55.63                      | 0.44                  | -2.23                        | -58.30                     | -13            | 45.30          |
| ◇242.80                              | 48.09                         | H              | -53.94                      | 0.44                  | -2.49                        | -56.87                     | -13            | 43.87          |
| ◇242.80                              | 53.87                         | V              | -55.16                      | 0.44                  | -2.49                        | -58.09                     | -13            | 45.09          |
| 1427.00                              | 60.86                         | H              | -53.36                      | 0.82                  | 8.00                         | -46.18                     | -13            | 33.18          |
| 1427.00                              | 61.03                         | V              | -53.19                      | 0.82                  | 8.00                         | -46.01                     | -13            | 33.01          |

| Frequency<br>(MHz)                 | Receiver<br>Reading<br>(dBμV) | Rx<br>Antenna  | Substituted                 |                       |                              | Absolute<br>Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|------------------------------------|-------------------------------|----------------|-----------------------------|-----------------------|------------------------------|----------------------------|----------------|----------------|
|                                    |                               | Polar<br>(H/V) | Submitted<br>Level<br>(dBm) | Cable<br>Loss<br>(dB) | Antenna<br>Gain<br>(dBd/dBi) |                            |                |                |
| 16-QAM 5MHz Bandwidth High Channel |                               |                |                             |                       |                              |                            |                |                |
| Δ261.40                            | 48.09                         | H              | -54.65                      | 0.44                  | -2.23                        | -57.32                     | -13            | 44.32          |
| Δ261.40                            | 53.22                         | V              | -55.64                      | 0.44                  | -2.23                        | -58.31                     | -13            | 45.31          |
| ◇ 242.80                           | 47.63                         | H              | -54.40                      | 0.44                  | -2.49                        | -57.33                     | -13            | 44.33          |
| ◇ 242.80                           | 53.66                         | V              | -55.37                      | 0.44                  | -2.49                        | -58.30                     | -13            | 45.30          |
| 1427.00                            | 61.14                         | H              | -53.08                      | 0.82                  | 8.00                         | -45.90                     | -13            | 32.90          |
| 1427.00                            | 61.77                         | V              | -52.45                      | 0.82                  | 8.00                         | -45.27                     | -13            | 32.27          |

**LTE Band 26 Lower**

| Frequency<br>(MHz)                   | Receiver<br>Reading<br>(dBμV) | Rx<br>Antenna  | Substituted                 |                       |                              | Absolute<br>Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|--------------------------------------|-------------------------------|----------------|-----------------------------|-----------------------|------------------------------|----------------------------|----------------|----------------|
|                                      |                               | Polar<br>(H/V) | Submitted<br>Level<br>(dBm) | Cable<br>Loss<br>(dB) | Antenna<br>Gain<br>(dBd/dBi) |                            |                |                |
| QPSK 1.4MHz Bandwidth Low Channel    |                               |                |                             |                       |                              |                            |                |                |
| Δ273.80                              | 46.57                         | H              | -57.61                      | 0.45                  | -2.20                        | -60.26                     | -13            | 47.26          |
| Δ273.80                              | 50.33                         | V              | -57.62                      | 0.45                  | -2.20                        | -60.27                     | -13            | 47.27          |
| ◇ 245.20                             | 44.14                         | H              | -57.68                      | 0.44                  | -2.40                        | -60.52                     | -13            | 47.52          |
| ◇ 245.20                             | 52.13                         | V              | -57.13                      | 0.44                  | -2.40                        | -59.97                     | -13            | 46.97          |
| 1629.40                              | 64.88                         | H              | -48.60                      | 0.84                  | 8.41                         | -41.03                     | -13            | 28.03          |
| 1629.40                              | 66.74                         | V              | -46.74                      | 0.84                  | 8.41                         | -39.17                     | -13            | 26.17          |
| 16-QAM 1.4MHz Bandwidth Low Channel  |                               |                |                             |                       |                              |                            |                |                |
| Δ273.80                              | 46.38                         | H              | -57.80                      | 0.45                  | -2.20                        | -60.45                     | -13            | 47.45          |
| Δ273.80                              | 50.57                         | V              | -57.38                      | 0.45                  | -2.20                        | -60.03                     | -13            | 47.03          |
| ◇ 245.20                             | 44.46                         | H              | -57.36                      | 0.44                  | -2.40                        | -60.20                     | -13            | 47.20          |
| ◇ 245.20                             | 52.04                         | V              | -57.22                      | 0.44                  | -2.40                        | -60.06                     | -13            | 47.06          |
| 1629.40                              | 64.88                         | H              | -48.60                      | 0.84                  | 8.41                         | -41.03                     | -13            | 28.03          |
| 1629.40                              | 65.17                         | V              | -48.31                      | 0.84                  | 8.41                         | -40.74                     | -13            | 27.74          |
| QPSK 1.4MHz Bandwidth High Channel   |                               |                |                             |                       |                              |                            |                |                |
| Δ273.80                              | 46.35                         | H              | -57.83                      | 0.45                  | -2.20                        | -60.48                     | -13            | 47.48          |
| Δ273.80                              | 50.54                         | V              | -57.41                      | 0.45                  | -2.20                        | -60.06                     | -13            | 47.06          |
| ◇ 245.20                             | 44.07                         | H              | -57.75                      | 0.44                  | -2.40                        | -60.59                     | -13            | 47.59          |
| ◇ 245.20                             | 52.27                         | V              | -56.99                      | 0.44                  | -2.40                        | -59.83                     | -13            | 46.83          |
| 1646.6                               | 64.32                         | H              | -48.92                      | 0.84                  | 8.44                         | -41.32                     | -13            | 28.32          |
| 1646.6                               | 65.03                         | V              | -48.21                      | 0.84                  | 8.44                         | -40.61                     | -13            | 27.61          |
| 16-QAM 1.4MHz Bandwidth High Channel |                               |                |                             |                       |                              |                            |                |                |
| Δ273.80                              | 46.24                         | H              | -57.94                      | 0.45                  | -2.20                        | -60.59                     | -13            | 47.59          |
| Δ273.80                              | 50.81                         | V              | -57.14                      | 0.45                  | -2.20                        | -59.79                     | -13            | 46.79          |
| ◇ 245.20                             | 44.02                         | H              | -57.80                      | 0.44                  | -2.40                        | -60.64                     | -13            | 47.64          |
| ◇ 245.20                             | 51.86                         | V              | -57.40                      | 0.44                  | -2.40                        | -60.24                     | -13            | 47.24          |
| 1646.6                               | 64.37                         | H              | -48.87                      | 0.84                  | 8.44                         | -41.27                     | -13            | 28.27          |
| 1646.6                               | 66.61                         | V              | -46.63                      | 0.84                  | 8.44                         | -39.03                     | -13            | 26.03          |

| Frequency<br>(MHz)                    | Receiver<br>Reading<br>(dBμV) | Rx<br>Antenna  | Substituted                 |                       |                              | Absolute<br>Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|---------------------------------------|-------------------------------|----------------|-----------------------------|-----------------------|------------------------------|----------------------------|----------------|----------------|
|                                       |                               | Polar<br>(H/V) | Submitted<br>Level<br>(dBm) | Cable<br>Loss<br>(dB) | Antenna<br>Gain<br>(dBd/dBi) |                            |                |                |
| QPSK 1.4MHz Bandwidth Cross Channel   |                               |                |                             |                       |                              |                            |                |                |
| Δ273.80                               | 46.21                         | H              | -57.97                      | 0.45                  | -2.20                        | -60.62                     | -13            | 47.62          |
| Δ273.80                               | 50.57                         | V              | -57.38                      | 0.45                  | -2.20                        | -60.03                     | -13            | 47.03          |
| ◇ 245.20                              | 44.35                         | H              | -57.47                      | 0.44                  | -2.40                        | -60.31                     | -13            | 47.31          |
| ◇ 245.20                              | 52.28                         | V              | -56.98                      | 0.44                  | -2.40                        | -59.82                     | -13            | 46.82          |
| 1648                                  | 64.52                         | H              | -48.49                      | 0.84                  | 8.44                         | -40.89                     | -13            | 27.89          |
| 1648                                  | 64.76                         | V              | -48.25                      | 0.84                  | 8.44                         | -40.65                     | -13            | 27.65          |
| 16-QAM 1.4MHz Bandwidth Cross Channel |                               |                |                             |                       |                              |                            |                |                |
| Δ273.80                               | 46.68                         | H              | -57.50                      | 0.45                  | -2.20                        | -60.15                     | -13            | 47.15          |
| Δ273.80                               | 50.56                         | V              | -57.39                      | 0.45                  | -2.20                        | -60.04                     | -13            | 47.04          |
| ◇ 245.20                              | 44.19                         | H              | -57.63                      | 0.44                  | -2.40                        | -60.47                     | -13            | 47.47          |
| ◇ 245.20                              | 51.93                         | V              | -57.33                      | 0.44                  | -2.40                        | -60.17                     | -13            | 47.17          |
| 1648                                  | 64.27                         | H              | -48.74                      | 0.84                  | 8.44                         | -41.14                     | -13            | 28.14          |
| 1648                                  | 66.43                         | V              | -46.58                      | 0.84                  | 8.44                         | -38.98                     | -13            | 25.98          |

**LTE Band 26 Upper**

| Frequency<br>(MHz)                     | Receiver<br>Reading<br>(dBμV) | Rx<br>Antenna  | Substituted                 |                       |                              | Absolute<br>Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|----------------------------------------|-------------------------------|----------------|-----------------------------|-----------------------|------------------------------|----------------------------|----------------|----------------|
|                                        |                               | Polar<br>(H/V) | Submitted<br>Level<br>(dBm) | Cable<br>Loss<br>(dB) | Antenna<br>Gain<br>(dBd/dBi) |                            |                |                |
| QPSK 1.4MHz Bandwidth Low Channel      |                               |                |                             |                       |                              |                            |                |                |
| Δ262.50                                | 45.38                         | H              | -57.49                      | 0.45                  | -2.23                        | -60.17                     | -13            | 47.17          |
| Δ262.50                                | 51.56                         | V              | -57.22                      | 0.45                  | -2.23                        | -59.90                     | -13            | 46.90          |
| ◇ 241.50                               | 44.81                         | H              | -57.33                      | 0.44                  | -2.54                        | -60.31                     | -13            | 47.31          |
| ◇ 241.50                               | 52.09                         | V              | -56.82                      | 0.44                  | -2.54                        | -59.80                     | -13            | 46.80          |
| 1649.40                                | 64.44                         | H              | -48.90                      | 0.84                  | 8.44                         | -41.30                     | -13            | 28.30          |
| 1649.40                                | 66.99                         | V              | -46.35                      | 0.84                  | 8.44                         | -38.75                     | -13            | 25.75          |
| 16-QAM 1.4MHz Bandwidth Low Channel    |                               |                |                             |                       |                              |                            |                |                |
| Δ262.50                                | 45.40                         | H              | -57.47                      | 0.45                  | -2.23                        | -60.15                     | -13            | 47.15          |
| Δ262.50                                | 51.33                         | V              | -57.45                      | 0.45                  | -2.23                        | -60.13                     | -13            | 47.13          |
| ◇ 241.50                               | 44.51                         | H              | -57.63                      | 0.44                  | -2.54                        | -60.61                     | -13            | 47.61          |
| ◇ 241.50                               | 52.02                         | V              | -56.89                      | 0.44                  | -2.54                        | -59.87                     | -13            | 46.87          |
| 1649.40                                | 64.56                         | H              | -48.78                      | 0.84                  | 8.41                         | -41.21                     | -13            | 28.21          |
| 1649.40                                | 67.49                         | V              | -45.85                      | 0.84                  | 8.41                         | -38.28                     | -13            | 25.28          |
| QPSK 1.4MHz Bandwidth Middle Channel   |                               |                |                             |                       |                              |                            |                |                |
| Δ262.50                                | 45.35                         | H              | -57.52                      | 0.45                  | -2.23                        | -60.20                     | -13            | 47.20          |
| Δ262.50                                | 51.36                         | V              | -57.42                      | 0.45                  | -2.23                        | -60.10                     | -13            | 47.10          |
| ◇ 241.50                               | 44.86                         | H              | -57.28                      | 0.44                  | -2.54                        | -60.26                     | -13            | 47.26          |
| ◇ 241.50                               | 51.89                         | V              | -57.02                      | 0.44                  | -2.54                        | -60.00                     | -13            | 47.00          |
| 1673.00                                | 64.64                         | H              | -48.53                      | 0.84                  | 8.46                         | -40.91                     | -13            | 27.91          |
| 1673.00                                | 65.44                         | V              | -47.73                      | 0.84                  | 8.46                         | -40.11                     | -13            | 27.11          |
| 16-QAM 1.4MHz Bandwidth Middle Channel |                               |                |                             |                       |                              |                            |                |                |
| Δ262.50                                | 45.36                         | H              | -57.51                      | 0.45                  | -2.23                        | -60.19                     | -13            | 47.19          |
| Δ262.50                                | 51.26                         | V              | -57.52                      | 0.45                  | -2.23                        | -60.20                     | -13            | 47.20          |
| ◇ 241.50                               | 44.95                         | H              | -57.19                      | 0.44                  | -2.54                        | -60.17                     | -13            | 47.17          |
| ◇ 241.50                               | 51.60                         | V              | -57.31                      | 0.44                  | -2.54                        | -60.29                     | -13            | 47.29          |
| 1673.00                                | 64.31                         | H              | -48.86                      | 0.84                  | 8.46                         | -41.24                     | -13            | 28.24          |
| 1673.00                                | 65.29                         | V              | -47.88                      | 0.84                  | 8.46                         | -40.26                     | -13            | 27.26          |

| Frequency<br>(MHz)                   | Receiver<br>Reading<br>(dBμV) | Rx<br>Antenna  | Substituted                 |                       |                              | Absolute<br>Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|--------------------------------------|-------------------------------|----------------|-----------------------------|-----------------------|------------------------------|----------------------------|----------------|----------------|
|                                      |                               | Polar<br>(H/V) | Submitted<br>Level<br>(dBm) | Cable<br>Loss<br>(dB) | Antenna<br>Gain<br>(dBd/dBi) |                            |                |                |
| QPSK 1.4MHz Bandwidth High Channel   |                               |                |                             |                       |                              |                            |                |                |
| Δ262.50                              | 44.95                         | H              | -57.92                      | 0.45                  | -2.23                        | -60.60                     | -13            | 47.60          |
| Δ262.50                              | 51.39                         | V              | -57.39                      | 0.45                  | -2.23                        | -60.07                     | -13            | 47.07          |
| ◇ 241.50                             | 44.60                         | H              | -57.54                      | 0.44                  | -2.54                        | -60.52                     | -13            | 47.52          |
| ◇ 241.50                             | 51.90                         | V              | -57.01                      | 0.44                  | -2.54                        | -59.99                     | -13            | 46.99          |
| 1696.60                              | 64.25                         | H              | -48.76                      | 0.84                  | 8.51                         | -41.09                     | -13            | 28.09          |
| 1696.60                              | 65.08                         | V              | -47.93                      | 0.84                  | 8.51                         | -40.26                     | -13            | 27.26          |
| 16-QAM 1.4MHz Bandwidth High Channel |                               |                |                             |                       |                              |                            |                |                |
| Δ262.50                              | 45.33                         | H              | -57.54                      | 0.45                  | -2.23                        | -60.22                     | -13            | 47.22          |
| Δ262.50                              | 51.34                         | V              | -57.44                      | 0.45                  | -2.23                        | -60.12                     | -13            | 47.12          |
| ◇ 241.50                             | 44.69                         | H              | -57.45                      | 0.44                  | -2.54                        | -60.43                     | -13            | 47.43          |
| ◇ 241.50                             | 52.06                         | V              | -56.85                      | 0.44                  | -2.54                        | -59.83                     | -13            | 46.83          |
| 1696.60                              | 64.43                         | H              | -48.58                      | 0.84                  | 8.51                         | -40.91                     | -13            | 27.91          |
| 1696.60                              | 67.17                         | V              | -45.84                      | 0.84                  | 8.51                         | -38.17                     | -13            | 25.17          |



**30 MHz ~ 20 GHz:****LTE Band 2:**

| Frequency<br>(MHz)                     | Receiver<br>Reading<br>(dBμV) | Rx<br>Antenna  | Substituted                 |                       |                              | Absolute<br>Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|----------------------------------------|-------------------------------|----------------|-----------------------------|-----------------------|------------------------------|----------------------------|----------------|----------------|
|                                        |                               | Polar<br>(H/V) | Submitted<br>Level<br>(dBm) | Cable<br>Loss<br>(dB) | Antenna<br>Gain<br>(dBd/dBi) |                            |                |                |
| QPSK 1.4MHz Bandwidth Low Channel      |                               |                |                             |                       |                              |                            |                |                |
| Δ266.70                                | 46.33                         | H              | -57.03                      | 0.45                  | -2.22                        | -59.70                     | -13            | 46.70          |
| Δ266.70                                | 50.90                         | V              | -57.57                      | 0.45                  | -2.22                        | -60.24                     | -13            | 47.24          |
| ◇255.80                                | 45.15                         | H              | -56.94                      | 0.44                  | -2.24                        | -59.62                     | -13            | 46.62          |
| ◇255.80                                | 52.06                         | V              | -57.21                      | 0.44                  | -2.24                        | -59.89                     | -13            | 46.89          |
| 3701.40                                | 56.63                         | H              | -50.33                      | 0.95                  | 9.78                         | -41.50                     | -13            | 28.50          |
| 3701.40                                | 57.73                         | V              | -49.23                      | 0.95                  | 9.78                         | -40.40                     | -13            | 27.40          |
| 16-QAM 1.4MHz Bandwidth Low Channel    |                               |                |                             |                       |                              |                            |                |                |
| Δ266.70                                | 46.42                         | H              | -56.94                      | 0.45                  | -2.22                        | -59.61                     | -13            | 46.61          |
| Δ266.70                                | 51.19                         | V              | -57.28                      | 0.45                  | -2.22                        | -59.95                     | -13            | 46.95          |
| ◇255.80                                | 44.69                         | H              | -57.40                      | 0.44                  | -2.24                        | -60.08                     | -13            | 47.08          |
| ◇255.80                                | 51.95                         | V              | -57.32                      | 0.44                  | -2.24                        | -60.00                     | -13            | 47.00          |
| 3701.40                                | 56.43                         | H              | -50.53                      | 0.95                  | 9.78                         | -41.70                     | -13            | 28.70          |
| 3701.40                                | 56.82                         | V              | -50.14                      | 0.95                  | 9.78                         | -41.31                     | -13            | 28.31          |
| QPSK 1.4MHz Bandwidth Middle Channel   |                               |                |                             |                       |                              |                            |                |                |
| Δ266.70                                | 46.16                         | H              | -57.20                      | 0.45                  | -2.22                        | -59.87                     | -13            | 46.87          |
| Δ266.70                                | 51.04                         | V              | -57.43                      | 0.45                  | -2.22                        | -60.10                     | -13            | 47.10          |
| ◇255.80                                | 44.93                         | H              | -57.16                      | 0.44                  | -2.24                        | -59.84                     | -13            | 46.84          |
| ◇255.80                                | 52.13                         | V              | -57.14                      | 0.44                  | -2.24                        | -59.82                     | -13            | 46.82          |
| 3760.00                                | 56.58                         | H              | -50.20                      | 0.95                  | 9.74                         | -41.41                     | -13            | 28.41          |
| 3760.00                                | 57.72                         | V              | -49.06                      | 0.95                  | 9.74                         | -40.27                     | -13            | 27.27          |
| 16-QAM 1.4MHz Bandwidth Middle Channel |                               |                |                             |                       |                              |                            |                |                |
| Δ266.70                                | 46.39                         | H              | -56.97                      | 0.45                  | -2.22                        | -59.64                     | -13            | 46.64          |
| Δ266.70                                | 51.06                         | V              | -57.41                      | 0.45                  | -2.22                        | -60.08                     | -13            | 47.08          |
| ◇255.80                                | 45.02                         | H              | -57.07                      | 0.44                  | -2.24                        | -59.75                     | -13            | 46.75          |
| ◇255.80                                | 51.98                         | V              | -57.29                      | 0.44                  | -2.24                        | -59.97                     | -13            | 46.97          |
| 3760.00                                | 56.34                         | H              | -50.44                      | 0.95                  | 9.74                         | -41.65                     | -13            | 28.65          |
| 3760.00                                | 56.71                         | V              | -50.07                      | 0.95                  | 9.74                         | -41.28                     | -13            | 28.28          |

| Frequency<br>(MHz)                   | Receiver<br>Reading<br>(dBμV) | Rx<br>Antenna  | Substituted                 |                       |                              | Absolute<br>Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|--------------------------------------|-------------------------------|----------------|-----------------------------|-----------------------|------------------------------|----------------------------|----------------|----------------|
|                                      |                               | Polar<br>(H/V) | Submitted<br>Level<br>(dBm) | Cable<br>Loss<br>(dB) | Antenna<br>Gain<br>(dBd/dBi) |                            |                |                |
| QPSK 1.4MHz Bandwidth High Channel   |                               |                |                             |                       |                              |                            |                |                |
| Δ266.70                              | 46.20                         | H              | -57.16                      | 0.45                  | -2.22                        | -59.83                     | -13            | 46.83          |
| Δ266.70                              | 51.17                         | V              | -57.30                      | 0.45                  | -2.22                        | -59.97                     | -13            | 46.97          |
| ◇ 255.80                             | 44.94                         | H              | -57.15                      | 0.44                  | -2.24                        | -59.83                     | -13            | 46.83          |
| ◇ 255.80                             | 52.14                         | V              | -57.13                      | 0.44                  | -2.24                        | -59.81                     | -13            | 46.81          |
| 1909.30                              | 62.21                         | H              | -49.33                      | 0.85                  | 8.85                         | -41.33                     | -13            | 28.33          |
| 1909.30                              | 63.93                         | V              | -47.61                      | 0.85                  | 8.85                         | -39.61                     | -13            | 26.61          |
| 16-QAM 1.4MHz Bandwidth High Channel |                               |                |                             |                       |                              |                            |                |                |
| Δ266.70                              | 46.08                         | H              | -57.28                      | 0.45                  | -2.22                        | -59.95                     | -13            | 46.95          |
| Δ266.70                              | 50.95                         | V              | -57.52                      | 0.45                  | -2.22                        | -60.19                     | -13            | 47.19          |
| ◇ 255.80                             | 45.06                         | H              | -57.03                      | 0.44                  | -2.24                        | -59.71                     | -13            | 46.71          |
| ◇ 255.80                             | 52.18                         | V              | -57.09                      | 0.44                  | -2.24                        | -59.77                     | -13            | 46.77          |
| 1909.30                              | 61.88                         | H              | -49.66                      | 0.85                  | 8.85                         | -41.66                     | -13            | 28.66          |
| 1909.30                              | 62.85                         | V              | -48.69                      | 0.85                  | 8.85                         | -40.69                     | -13            | 27.69          |

**LTE Band 4:**

| Frequency<br>(MHz)                     | Receiver<br>Reading<br>(dBμV) | Rx<br>Antenna  | Substituted                 |                       |                              | Absolute<br>Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|----------------------------------------|-------------------------------|----------------|-----------------------------|-----------------------|------------------------------|----------------------------|----------------|----------------|
|                                        |                               | Polar<br>(H/V) | Submitted<br>Level<br>(dBm) | Cable<br>Loss<br>(dB) | Antenna<br>Gain<br>(dBd/dBi) |                            |                |                |
| QPSK 1.4MHz Bandwidth Low Channel      |                               |                |                             |                       |                              |                            |                |                |
| Δ256.20                                | 39.33                         | H              | -62.81                      | 0.44                  | -2.24                        | -65.49                     | -13            | 52.49          |
| Δ256.20                                | 45.64                         | V              | -63.60                      | 0.44                  | -2.24                        | -66.28                     | -13            | 53.28          |
| ◇ 258.70                               | 39.22                         | H              | -63.21                      | 0.44                  | -2.23                        | -65.88                     | -13            | 52.88          |
| ◇ 258.70                               | 45.05                         | V              | -64.01                      | 0.44                  | -2.23                        | -66.68                     | -13            | 53.68          |
| 3421.40                                | 55.53                         | H              | -52.41                      | 0.93                  | 9.82                         | -43.52                     | -13            | 30.52          |
| 3421.40                                | 55.99                         | V              | -51.95                      | 0.93                  | 9.82                         | -43.06                     | -13            | 30.06          |
| 16-QAM 1.4MHz Bandwidth Low Channel    |                               |                |                             |                       |                              |                            |                |                |
| Δ256.20                                | 39.08                         | H              | -63.06                      | 0.44                  | -2.24                        | -65.74                     | -13            | 52.74          |
| Δ256.20                                | 45.57                         | V              | -63.67                      | 0.44                  | -2.24                        | -66.35                     | -13            | 53.35          |
| ◇ 258.70                               | 39.50                         | H              | -62.93                      | 0.44                  | -2.23                        | -65.60                     | -13            | 52.60          |
| ◇ 258.70                               | 45.31                         | V              | -63.75                      | 0.44                  | -2.23                        | -66.42                     | -13            | 53.42          |
| 3421.40                                | 55.61                         | H              | -52.33                      | 0.93                  | 9.82                         | -43.44                     | -13            | 30.44          |
| 3421.40                                | 55.90                         | V              | -52.04                      | 0.93                  | 9.82                         | -43.15                     | -13            | 30.15          |
| QPSK 1.4MHz Bandwidth Middle Channel   |                               |                |                             |                       |                              |                            |                |                |
| Δ256.20                                | 39.07                         | H              | -63.07                      | 0.44                  | -2.24                        | -65.75                     | -13            | 52.75          |
| Δ256.20                                | 45.36                         | V              | -63.88                      | 0.45                  | -2.22                        | -66.55                     | -13            | 53.55          |
| ◇258.70                                | 39.39                         | H              | -63.04                      | 0.44                  | -2.23                        | -65.71                     | -13            | 52.71          |
| ◇258.70                                | 45.22                         | V              | -63.84                      | 0.45                  | -2.22                        | -66.51                     | -13            | 53.51          |
| 3465.00                                | 55.76                         | H              | -51.99                      | 0.93                  | 9.87                         | -43.05                     | -13            | 30.05          |
| 3465.00                                | 55.08                         | V              | -52.67                      | 0.93                  | 9.87                         | -43.73                     | -13            | 30.73          |
| 16-QAM 1.4MHz Bandwidth Middle Channel |                               |                |                             |                       |                              |                            |                |                |
| Δ256.20                                | 39.12                         | H              | -63.02                      | 0.44                  | -2.24                        | -65.70                     | -13            | 52.70          |
| Δ256.20                                | 45.41                         | V              | -63.83                      | 0.44                  | -2.24                        | -66.51                     | -13            | 53.51          |
| ◇ 258.70                               | 39.37                         | H              | -63.06                      | 0.44                  | -2.23                        | -65.73                     | -13            | 52.73          |
| ◇ 258.70                               | 45.01                         | V              | -64.05                      | 0.44                  | -2.23                        | -66.72                     | -13            | 53.72          |
| 3465.00                                | 55.45                         | H              | -52.30                      | 0.93                  | 9.87                         | -43.36                     | -13            | 30.36          |
| 3465.00                                | 56.97                         | V              | -50.78                      | 0.93                  | 9.87                         | -41.84                     | -13            | 28.84          |
| QPSK 1.4MHz Bandwidth High Channel     |                               |                |                             |                       |                              |                            |                |                |
| Δ256.20                                | 39.18                         | H              | -62.96                      | 0.44                  | -2.24                        | -65.64                     | -13            | 52.64          |
| Δ256.20                                | 45.33                         | V              | -63.91                      | 0.44                  | -2.24                        | -66.59                     | -13            | 53.59          |
| ◇ 258.70                               | 39.48                         | H              | -62.95                      | 0.44                  | -2.23                        | -65.62                     | -13            | 52.62          |
| ◇ 258.70                               | 45.21                         | V              | -63.85                      | 0.44                  | -2.23                        | -66.52                     | -13            | 53.52          |
| 3508.60                                | 55.58                         | H              | -51.99                      | 0.93                  | 9.89                         | -43.03                     | -13            | 30.03          |
| 3508.60                                | 55.19                         | V              | -52.38                      | 0.93                  | 9.89                         | -43.42                     | -13            | 30.42          |

| Frequency<br>(MHz)                   | Receiver<br>Reading<br>(dBμV) | Rx<br>Antenna  | Substituted                 |                       |                              | Absolute<br>Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|--------------------------------------|-------------------------------|----------------|-----------------------------|-----------------------|------------------------------|----------------------------|----------------|----------------|
|                                      |                               | Polar<br>(H/V) | Submitted<br>Level<br>(dBm) | Cable<br>Loss<br>(dB) | Antenna<br>Gain<br>(dBd/dBi) |                            |                |                |
| 16-QAM 1.4MHz Bandwidth High Channel |                               |                |                             |                       |                              |                            |                |                |
| Δ256.20                              | 39.30                         | H              | -62.84                      | 0.44                  | -2.24                        | -65.52                     | -13            | 52.52          |
| Δ256.20                              | 45.42                         | V              | -63.82                      | 0.44                  | -2.24                        | -66.50                     | -13            | 53.50          |
| ◇ 258.70                             | 39.58                         | H              | -62.85                      | 0.44                  | -2.23                        | -65.52                     | -13            | 52.52          |
| ◇ 258.70                             | 45.38                         | V              | -63.68                      | 0.44                  | -2.23                        | -66.35                     | -13            | 53.35          |
| 3508.60                              | 55.41                         | H              | -52.16                      | 0.93                  | 9.89                         | -43.20                     | -13            | 30.20          |
| 3508.60                              | 54.32                         | V              | -53.25                      | 0.93                  | 9.89                         | -44.29                     | -13            | 31.29          |

**LTE Band 25:**

| Frequency<br>(MHz)                     | Receiver<br>Reading<br>(dBμV) | Rx<br>Antenna  | Substituted                 |                       |                              | Absolute<br>Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|----------------------------------------|-------------------------------|----------------|-----------------------------|-----------------------|------------------------------|----------------------------|----------------|----------------|
|                                        |                               | Polar<br>(H/V) | Submitted<br>Level<br>(dBm) | Cable<br>Loss<br>(dB) | Antenna<br>Gain<br>(dBd/dBi) |                            |                |                |
| QPSK 1.4MHz Bandwidth Low Channel      |                               |                |                             |                       |                              |                            |                |                |
| Δ273.10                                | 39.76                         | H              | -64.34                      | 0.45                  | -2.20                        | -66.99                     | -13            | 53.99          |
| Δ273.10                                | 42.19                         | V              | -65.81                      | 0.45                  | -2.20                        | -68.46                     | -13            | 55.46          |
| ◇ 261.90                               | 38.48                         | H              | -64.32                      | 0.44                  | -2.23                        | -66.99                     | -13            | 53.99          |
| ◇ 261.90                               | 43.02                         | V              | -65.81                      | 0.44                  | -2.23                        | -68.48                     | -13            | 55.48          |
| 3701.40                                | 56.14                         | H              | -50.82                      | 0.95                  | 9.78                         | -41.99                     | -13            | 28.99          |
| 3701.40                                | 57.44                         | V              | -49.52                      | 0.95                  | 9.78                         | -40.69                     | -13            | 27.69          |
| 16-QAM 1.4MHz Bandwidth Low Channel    |                               |                |                             |                       |                              |                            |                |                |
| Δ273.10                                | 39.81                         | H              | -64.29                      | 0.45                  | -2.20                        | -66.94                     | -13            | 53.94          |
| Δ273.10                                | 42.19                         | V              | -65.81                      | 0.45                  | -2.20                        | -68.46                     | -13            | 55.46          |
| ◇ 261.90                               | 38.46                         | H              | -64.34                      | 0.44                  | -2.23                        | -67.01                     | -13            | 54.01          |
| ◇ 261.90                               | 43.40                         | V              | -65.43                      | 0.44                  | -2.23                        | -68.10                     | -13            | 55.10          |
| 3701.40                                | 56.21                         | H              | -50.75                      | 0.95                  | 9.78                         | -41.92                     | -13            | 28.92          |
| 3701.40                                | 56.55                         | V              | -50.41                      | 0.95                  | 9.78                         | -41.58                     | -13            | 28.58          |
| QPSK 1.4MHz Bandwidth Middle Channel   |                               |                |                             |                       |                              |                            |                |                |
| Δ273.10                                | 40.09                         | H              | -64.01                      | 0.45                  | -2.20                        | -66.66                     | -13            | 53.66          |
| Δ273.10                                | 42.21                         | V              | -65.79                      | 0.45                  | -2.20                        | -68.44                     | -13            | 55.44          |
| ◇ 261.90                               | 38.65                         | H              | -64.15                      | 0.44                  | -2.23                        | -66.82                     | -13            | 53.82          |
| ◇ 261.90                               | 43.06                         | V              | -65.77                      | 0.44                  | -2.23                        | -68.44                     | -13            | 55.44          |
| 3765.00                                | 56.13                         | H              | -50.65                      | 0.95                  | 9.74                         | -41.86                     | -13            | 28.86          |
| 3765.00                                | 55.03                         | V              | -51.75                      | 0.95                  | 9.74                         | -42.96                     | -13            | 29.96          |
| 16-QAM 1.4MHz Bandwidth Middle Channel |                               |                |                             |                       |                              |                            |                |                |
| Δ273.10                                | 39.63                         | H              | -64.47                      | 0.45                  | -2.20                        | -67.12                     | -13            | 54.12          |
| Δ273.10                                | 42.22                         | V              | -65.78                      | 0.45                  | -2.20                        | -68.43                     | -13            | 55.43          |
| ◇ 261.90                               | 38.54                         | H              | -64.26                      | 0.44                  | -2.23                        | -66.93                     | -13            | 53.93          |
| ◇ 261.90                               | 43.25                         | V              | -65.58                      | 0.44                  | -2.23                        | -68.25                     | -13            | 55.25          |
| 3765.00                                | 56.07                         | H              | -50.71                      | 0.95                  | 9.74                         | -41.92                     | -13            | 28.92          |
| 3765.00                                | 56.13                         | V              | -50.65                      | 0.95                  | 9.74                         | -41.86                     | -13            | 28.86          |

| Frequency<br>(MHz)                   | Receiver<br>Reading<br>(dBμV) | Rx<br>Antenna  | Substituted                 |                       |                              | Absolute<br>Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|--------------------------------------|-------------------------------|----------------|-----------------------------|-----------------------|------------------------------|----------------------------|----------------|----------------|
|                                      |                               | Polar<br>(H/V) | Submitted<br>Level<br>(dBm) | Cable<br>Loss<br>(dB) | Antenna<br>Gain<br>(dBd/dBi) |                            |                |                |
| QPSK 1.4MHz Bandwidth High Channel   |                               |                |                             |                       |                              |                            |                |                |
| Δ273.10                              | 39.80                         | H              | -64.30                      | 0.45                  | -2.20                        | -66.95                     | -13            | 53.95          |
| Δ273.10                              | 42.50                         | V              | -65.50                      | 0.45                  | -2.20                        | -68.15                     | -13            | 55.15          |
| ◇ 261.90                             | 38.47                         | H              | -64.33                      | 0.44                  | -2.23                        | -67.00                     | -13            | 54.00          |
| ◇ 261.90                             | 43.44                         | V              | -65.39                      | 0.44                  | -2.23                        | -68.06                     | -13            | 55.06          |
| 3828.60                              | 56.05                         | H              | -50.51                      | 0.96                  | 9.70                         | -41.77                     | -13            | 28.77          |
| 3828.60                              | 55.88                         | V              | -50.68                      | 0.96                  | 9.70                         | -41.94                     | -13            | 28.94          |
| 16-QAM 1.4MHz Bandwidth High Channel |                               |                |                             |                       |                              |                            |                |                |
| Δ273.10                              | 39.63                         | H              | -64.47                      | 0.45                  | -2.20                        | -67.12                     | -13            | 54.12          |
| Δ273.10                              | 42.38                         | V              | -65.62                      | 0.45                  | -2.20                        | -68.27                     | -13            | 55.27          |
| ◇ 261.90                             | 38.47                         | H              | -64.33                      | 0.44                  | -2.23                        | -67.00                     | -13            | 54.00          |
| ◇ 261.90                             | 43.03                         | V              | -65.80                      | 0.44                  | -2.23                        | -68.47                     | -13            | 55.47          |
| 3828.60                              | 56.09                         | H              | -50.47                      | 0.96                  | 9.70                         | -41.73                     | -13            | 28.73          |
| 3828.60                              | 56.94                         | V              | -49.62                      | 0.96                  | 9.70                         | -40.88                     | -13            | 27.88          |

**LTE Band 66:**

| Frequency<br>(MHz)                     | Receiver<br>Reading<br>(dBμV) | Rx<br>Antenna  | Substituted                 |                       |                              | Absolute<br>Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|----------------------------------------|-------------------------------|----------------|-----------------------------|-----------------------|------------------------------|----------------------------|----------------|----------------|
|                                        |                               | Polar<br>(H/V) | Submitted<br>Level<br>(dBm) | Cable<br>Loss<br>(dB) | Antenna<br>Gain<br>(dBd/dBi) |                            |                |                |
| QPSK 1.4MHz Bandwidth Low Channel      |                               |                |                             |                       |                              |                            |                |                |
| Δ235.20                                | 38.91                         | H              | -63.76                      | 0.43                  | -2.75                        | -66.94                     | -13            | 53.94          |
| Δ235.20                                | 43.52                         | V              | -64.81                      | 0.43                  | -2.75                        | -67.99                     | -13            | 54.99          |
| ◇ 268.70                               | 39.37                         | H              | -64.22                      | 0.45                  | -2.21                        | -66.88                     | -13            | 53.88          |
| ◇ 268.70                               | 42.55                         | V              | -65.78                      | 0.45                  | -2.21                        | -68.44                     | -13            | 55.44          |
| 3421.40                                | 57.24                         | H              | -50.70                      | 0.93                  | 9.82                         | -41.81                     | -13            | 28.81          |
| 3421.40                                | 58.98                         | V              | -48.96                      | 0.93                  | 9.82                         | -40.07                     | -13            | 27.07          |
| 16-QAM 1.4MHz Bandwidth Low Channel    |                               |                |                             |                       |                              |                            |                |                |
| Δ235.20                                | 39.11                         | H              | -63.56                      | 0.43                  | -2.75                        | -66.74                     | -13            | 53.74          |
| Δ235.20                                | 43.45                         | V              | -64.88                      | 0.43                  | -2.75                        | -68.06                     | -13            | 55.06          |
| ◇ 268.70                               | 39.52                         | H              | -64.07                      | 0.45                  | -2.21                        | -66.73                     | -13            | 53.73          |
| ◇ 268.70                               | 42.90                         | V              | -65.43                      | 0.45                  | -2.21                        | -68.09                     | -13            | 55.09          |
| 3421.40                                | 57.12                         | H              | -50.82                      | 0.93                  | 9.82                         | -41.93                     | -13            | 28.93          |
| 3421.40                                | 59.84                         | V              | -48.10                      | 0.93                  | 9.82                         | -39.21                     | -13            | 26.21          |
| QPSK 1.4MHz Bandwidth Middle Channel   |                               |                |                             |                       |                              |                            |                |                |
| Δ235.20                                | 39.01                         | H              | -63.66                      | 0.43                  | -2.75                        | -66.84                     | -13            | 53.84          |
| Δ235.20                                | 43.31                         | V              | -65.02                      | 0.43                  | -2.75                        | -68.20                     | -13            | 55.20          |
| ◇ 268.70                               | 39.28                         | H              | -64.31                      | 0.45                  | -2.21                        | -66.97                     | -13            | 53.97          |
| ◇ 268.70                               | 42.91                         | V              | -65.42                      | 0.45                  | -2.21                        | -68.08                     | -13            | 55.08          |
| 3490.00                                | 56.71                         | H              | -50.93                      | 0.93                  | 9.89                         | -41.97                     | -13            | 28.97          |
| 3490.00                                | 58.72                         | V              | -48.92                      | 0.93                  | 9.89                         | -39.96                     | -13            | 26.96          |
| 16-QAM 1.4MHz Bandwidth Middle Channel |                               |                |                             |                       |                              |                            |                |                |
| Δ235.20                                | 39.30                         | H              | -63.37                      | 0.43                  | -2.75                        | -66.55                     | -13            | 53.55          |
| Δ235.20                                | 43.22                         | V              | -65.11                      | 0.43                  | -2.75                        | -68.29                     | -13            | 55.29          |
| ◇ 268.70                               | 39.64                         | H              | -63.95                      | 0.45                  | -2.21                        | -66.61                     | -13            | 53.61          |
| ◇ 268.70                               | 42.57                         | V              | -65.76                      | 0.45                  | -2.21                        | -68.42                     | -13            | 55.42          |
| 3490.00                                | 57.00                         | H              | -50.64                      | 0.93                  | 9.89                         | -41.68                     | -13            | 28.68          |
| 3490.00                                | 58.32                         | V              | -49.32                      | 0.93                  | 9.89                         | -40.36                     | -13            | 27.36          |

| Frequency<br>(MHz)                   | Receiver<br>Reading<br>(dBμV) | Rx<br>Antenna  | Substituted                 |                       |                              | Absolute<br>Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|--------------------------------------|-------------------------------|----------------|-----------------------------|-----------------------|------------------------------|----------------------------|----------------|----------------|
|                                      |                               | Polar<br>(H/V) | Submitted<br>Level<br>(dBm) | Cable<br>Loss<br>(dB) | Antenna<br>Gain<br>(dBd/dBi) |                            |                |                |
| QPSK 1.4MHz Bandwidth High Channel   |                               |                |                             |                       |                              |                            |                |                |
| Δ235.20                              | 39.32                         | H              | -63.35                      | 0.43                  | -2.75                        | -66.53                     | -13            | 53.53          |
| Δ235.20                              | 43.39                         | V              | -64.94                      | 0.43                  | -2.75                        | -68.12                     | -13            | 55.12          |
| ◇ 268.70                             | 39.37                         | H              | -64.22                      | 0.45                  | -2.21                        | -66.88                     | -13            | 53.88          |
| ◇ 268.70                             | 42.73                         | V              | -65.60                      | 0.45                  | -2.21                        | -68.26                     | -13            | 55.26          |
| 3558.60                              | 56.84                         | H              | -50.57                      | 0.93                  | 9.86                         | -41.64                     | -13            | 28.64          |
| 3558.60                              | 60.01                         | V              | -47.40                      | 0.93                  | 9.86                         | -38.47                     | -13            | 25.47          |
| 16-QAM 1.4MHz Bandwidth High Channel |                               |                |                             |                       |                              |                            |                |                |
| Δ235.20                              | 39.07                         | H              | -63.60                      | 0.43                  | -2.75                        | -66.78                     | -13            | 53.78          |
| Δ235.20                              | 43.13                         | V              | -65.20                      | 0.43                  | -2.75                        | -68.38                     | -13            | 55.38          |
| ◇ 268.70                             | 39.35                         | H              | -64.24                      | 0.45                  | -2.21                        | -66.90                     | -13            | 53.90          |
| ◇ 268.70                             | 42.52                         | V              | -65.81                      | 0.45                  | -2.21                        | -68.47                     | -13            | 55.47          |
| 3558.60                              | 56.80                         | H              | -50.61                      | 0.93                  | 9.86                         | -41.68                     | -13            | 28.68          |
| 3558.60                              | 60.35                         | V              | -47.06                      | 0.93                  | 9.86                         | -38.13                     | -13            | 25.13          |



**30 MHz ~ 27 GHz:****LTE Band 7:**

| Frequency<br>(MHz)                   | Receiver<br>Reading<br>(dBμV) | Rx<br>Antenna  | Substituted                 |                       |                              | Absolute<br>Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|--------------------------------------|-------------------------------|----------------|-----------------------------|-----------------------|------------------------------|----------------------------|----------------|----------------|
|                                      |                               | Polar<br>(H/V) | Submitted<br>Level<br>(dBm) | Cable<br>Loss<br>(dB) | Antenna<br>Gain<br>(dBd/dBi) |                            |                |                |
| QPSK 5MHz Bandwidth Low Channel      |                               |                |                             |                       |                              |                            |                |                |
| Δ241.80                              | 38.18                         | H              | -63.93                      | 0.44                  | -2.53                        | -66.90                     | -25            | 41.90          |
| Δ241.80                              | 43.57                         | V              | -65.37                      | 0.44                  | -2.53                        | -68.34                     | -25            | 43.34          |
| ◇269.50                              | 39.28                         | H              | -64.40                      | 0.45                  | -2.21                        | -67.06                     | -25            | 42.06          |
| ◇269.50                              | 42.52                         | V              | -65.75                      | 0.45                  | -2.21                        | -68.41                     | -25            | 43.41          |
| 5005.00                              | 50.35                         | H              | -55.64                      | 1.08                  | 10.30                        | -46.42                     | -25            | 21.42          |
| 5005.00                              | 51.12                         | V              | -54.87                      | 1.08                  | 10.30                        | -45.65                     | -25            | 20.65          |
| 16-QAM 5MHz Bandwidth Low Channel    |                               |                |                             |                       |                              |                            |                |                |
| Δ241.80                              | 37.99                         | H              | -64.12                      | 0.44                  | -2.53                        | -67.09                     | -25            | 42.09          |
| Δ241.80                              | 43.67                         | V              | -65.27                      | 0.44                  | -2.53                        | -68.24                     | -25            | 43.24          |
| ◇269.50                              | 39.33                         | H              | -64.35                      | 0.45                  | -2.21                        | -67.01                     | -25            | 42.01          |
| ◇269.50                              | 42.81                         | V              | -65.46                      | 0.45                  | -2.21                        | -68.12                     | -25            | 43.12          |
| 5005.00                              | 50.58                         | H              | -55.41                      | 1.08                  | 10.30                        | -46.19                     | -25            | 21.19          |
| 5005.00                              | 51.40                         | V              | -54.59                      | 1.08                  | 10.30                        | -45.37                     | -25            | 20.37          |
| QPSK 5MHz Bandwidth Middle Channel   |                               |                |                             |                       |                              |                            |                |                |
| Δ241.80                              | 37.98                         | H              | -64.13                      | 0.44                  | -2.53                        | -67.10                     | -25            | 42.10          |
| Δ241.80                              | 43.72                         | V              | -65.22                      | 0.44                  | -2.53                        | -68.19                     | -25            | 43.19          |
| ◇269.50                              | 39.55                         | H              | -64.13                      | 0.45                  | -2.21                        | -66.79                     | -25            | 41.79          |
| ◇269.50                              | 42.41                         | V              | -65.86                      | 0.45                  | -2.21                        | -68.52                     | -25            | 43.52          |
| 5070.00                              | 49.98                         | H              | -55.65                      | 1.09                  | 10.30                        | -46.44                     | -25            | 21.44          |
| 5070.00                              | 51.35                         | V              | -54.28                      | 1.09                  | 10.30                        | -45.07                     | -25            | 20.07          |
| 16-QAM 5MHz Bandwidth Middle Channel |                               |                |                             |                       |                              |                            |                |                |
| Δ241.80                              | 38.20                         | H              | -63.91                      | 0.44                  | -2.53                        | -66.88                     | -25            | 41.88          |
| Δ241.80                              | 43.41                         | V              | -65.53                      | 0.44                  | -2.53                        | -68.50                     | -25            | 43.50          |
| ◇269.50                              | 39.58                         | H              | -64.10                      | 0.45                  | -2.21                        | -66.76                     | -25            | 41.76          |
| ◇269.50                              | 42.70                         | V              | -65.57                      | 0.45                  | -2.21                        | -68.23                     | -25            | 43.23          |
| 5070.00                              | 50.37                         | H              | -55.26                      | 1.09                  | 10.30                        | -46.05                     | -25            | 21.05          |
| 5070.00                              | 50.17                         | V              | -55.46                      | 1.09                  | 10.30                        | -46.25                     | -25            | 21.25          |

| Frequency<br>(MHz)                 | Receiver<br>Reading<br>(dBμV) | Rx<br>Antenna  | Substituted                 |                       |                              | Absolute<br>Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|------------------------------------|-------------------------------|----------------|-----------------------------|-----------------------|------------------------------|----------------------------|----------------|----------------|
|                                    |                               | Polar<br>(H/V) | Submitted<br>Level<br>(dBm) | Cable<br>Loss<br>(dB) | Antenna<br>Gain<br>(dBd/dBi) |                            |                |                |
| QPSK 5MHz Bandwidth High Channel   |                               |                |                             |                       |                              |                            |                |                |
| Δ241.80                            | 38.13                         | H              | -63.98                      | 0.44                  | -2.53                        | -66.95                     | -25            | 41.95          |
| Δ241.80                            | 43.88                         | V              | -65.06                      | 0.44                  | -2.53                        | -68.03                     | -25            | 43.03          |
| ◇ 269.50                           | 39.56                         | H              | -64.12                      | 0.45                  | -2.21                        | -66.78                     | -25            | 41.78          |
| ◇ 269.50                           | 42.41                         | V              | -65.86                      | 0.45                  | -2.21                        | -68.52                     | -25            | 43.52          |
| 5135.00                            | 49.94                         | H              | -55.33                      | 1.10                  | 10.30                        | -46.13                     | -25            | 21.13          |
| 5135.00                            | 48.31                         | V              | -56.96                      | 1.10                  | 10.30                        | -47.76                     | -25            | 22.76          |
| 16-QAM 5MHz Bandwidth High Channel |                               |                |                             |                       |                              |                            |                |                |
| Δ241.80                            | 38.24                         | H              | -63.87                      | 0.44                  | -2.53                        | -66.84                     | -25            | 41.84          |
| Δ241.80                            | 43.61                         | V              | -65.33                      | 0.44                  | -2.53                        | -68.30                     | -25            | 43.30          |
| ◇ 269.50                           | 39.45                         | H              | -64.23                      | 0.45                  | -2.21                        | -66.89                     | -25            | 41.89          |
| ◇ 269.50                           | 42.70                         | V              | -65.57                      | 0.45                  | -2.21                        | -68.23                     | -25            | 43.23          |
| 5135.00                            | 49.95                         | H              | -55.32                      | 1.10                  | 10.30                        | -46.12                     | -25            | 21.12          |
| 5135.00                            | 48.87                         | V              | -56.40                      | 1.10                  | 10.30                        | -47.20                     | -25            | 22.20          |

**LTE Band 41:**

| Frequency<br>(MHz)                   | Receiver<br>Reading<br>(dBμV) | Rx<br>Antenna  | Substituted                 |                       |                              | Absolute<br>Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|--------------------------------------|-------------------------------|----------------|-----------------------------|-----------------------|------------------------------|----------------------------|----------------|----------------|
|                                      |                               | Polar<br>(H/V) | Submitted<br>Level<br>(dBm) | Cable<br>Loss<br>(dB) | Antenna<br>Gain<br>(dBd/dBi) |                            |                |                |
| QPSK 5MHz Bandwidth Low Channel      |                               |                |                             |                       |                              |                            |                |                |
| Δ247.80                              | 35.01                         | H              | -66.60                      | 0.44                  | -2.32                        | -69.36                     | -25            | 44.36          |
| Δ247.80                              | 42.27                         | V              | -67.23                      | 0.44                  | -2.32                        | -69.99                     | -25            | 44.99          |
| ◇ 277.80                             | 37.96                         | H              | -66.68                      | 0.45                  | -2.19                        | -69.32                     | -25            | 44.32          |
| ◇ 277.80                             | 40.43                         | V              | -67.23                      | 0.45                  | -2.19                        | -69.87                     | -25            | 44.87          |
| 4997.00                              | 49.05                         | H              | -56.98                      | 1.08                  | 10.30                        | -47.76                     | -25            | 22.76          |
| 4997.00                              | 49.01                         | V              | -57.02                      | 1.08                  | 10.30                        | -47.80                     | -25            | 22.80          |
| 16-QAM 5MHz Bandwidth Low Channel    |                               |                |                             |                       |                              |                            |                |                |
| Δ247.80                              | 35.13                         | H              | -66.48                      | 0.44                  | -2.32                        | -69.24                     | -25            | 44.24          |
| Δ247.80                              | 42.19                         | V              | -67.31                      | 0.44                  | -2.32                        | -70.07                     | -25            | 45.07          |
| ◇ 277.80                             | 37.97                         | H              | -66.67                      | 0.45                  | -2.19                        | -69.31                     | -25            | 44.31          |
| ◇ 277.80                             | 40.26                         | V              | -67.40                      | 0.45                  | -2.19                        | -70.04                     | -25            | 45.04          |
| 4997.00                              | 48.96                         | H              | -57.07                      | 1.08                  | 10.30                        | -47.85                     | -25            | 22.85          |
| 4997.00                              | 49.97                         | V              | -56.06                      | 1.08                  | 10.30                        | -46.84                     | -25            | 21.84          |
| QPSK 5MHz Bandwidth Middle Channel   |                               |                |                             |                       |                              |                            |                |                |
| Δ247.80                              | 35.05                         | H              | -66.56                      | 0.44                  | -2.32                        | -69.32                     | -25            | 44.32          |
| Δ247.80                              | 42.18                         | V              | -67.32                      | 0.44                  | -2.32                        | -70.08                     | -25            | 45.08          |
| ◇ 277.80                             | 37.91                         | H              | -66.73                      | 0.45                  | -2.19                        | -69.37                     | -25            | 44.37          |
| ◇ 277.80                             | 40.16                         | V              | -67.50                      | 0.45                  | -2.19                        | -70.14                     | -25            | 45.14          |
| 5186.00                              | 47.88                         | H              | -57.11                      | 1.10                  | 10.30                        | -47.91                     | -25            | 22.91          |
| 5186.00                              | 47.75                         | V              | -57.24                      | 1.10                  | 10.30                        | -48.04                     | -25            | 23.04          |
| 16-QAM 5MHz Bandwidth Middle Channel |                               |                |                             |                       |                              |                            |                |                |
| Δ247.80                              | 35.09                         | H              | -66.52                      | 0.44                  | -2.32                        | -69.28                     | -25            | 44.28          |
| Δ247.80                              | 42.33                         | V              | -67.17                      | 0.44                  | -2.32                        | -69.93                     | -25            | 44.93          |
| ◇ 277.80                             | 37.85                         | H              | -66.79                      | 0.45                  | -2.19                        | -69.43                     | -25            | 44.43          |
| ◇ 277.80                             | 40.38                         | V              | -67.28                      | 0.45                  | -2.19                        | -69.92                     | -25            | 44.92          |
| 5186.00                              | 47.64                         | H              | -57.35                      | 1.10                  | 10.30                        | -48.15                     | -25            | 23.15          |
| 5186.00                              | 48.32                         | V              | -56.67                      | 1.10                  | 10.30                        | -47.47                     | -25            | 22.47          |

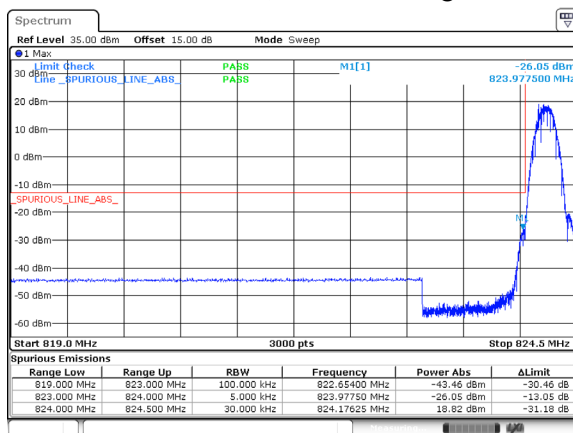
| Frequency<br>(MHz)                 | Receiver<br>Reading<br>(dBμV) | Rx<br>Antenna  | Substituted                 |                       |                              | Absolute<br>Level<br>(dBm) | Limit<br>(dBm) | Margin<br>(dB) |
|------------------------------------|-------------------------------|----------------|-----------------------------|-----------------------|------------------------------|----------------------------|----------------|----------------|
|                                    |                               | Polar<br>(H/V) | Submitted<br>Level<br>(dBm) | Cable<br>Loss<br>(dB) | Antenna<br>Gain<br>(dBd/dBi) |                            |                |                |
| QPSK 5MHz Bandwidth High Channel   |                               |                |                             |                       |                              |                            |                |                |
| Δ247.80                            | 35.11                         | H              | -66.50                      | 0.44                  | -2.32                        | -69.26                     | -25            | 44.26          |
| Δ247.80                            | 42.39                         | V              | -67.11                      | 0.44                  | -2.32                        | -69.87                     | -25            | 44.87          |
| ◇ 277.80                           | 37.96                         | H              | -66.68                      | 0.45                  | -2.19                        | -69.32                     | -25            | 44.32          |
| ◇ 277.80                           | 40.37                         | V              | -67.29                      | 0.45                  | -2.19                        | -69.93                     | -25            | 44.93          |
| 5395.00                            | 46.68                         | H              | -57.14                      | 1.13                  | 10.30                        | -47.97                     | -25            | 22.97          |
| 5395.00                            | 47.07                         | V              | -56.75                      | 1.13                  | 10.30                        | -47.58                     | -25            | 22.58          |
| 16-QAM 5MHz Bandwidth High Channel |                               |                |                             |                       |                              |                            |                |                |
| Δ247.80                            | 35.02                         | H              | -66.59                      | 0.44                  | -2.32                        | -69.35                     | -25            | 44.35          |
| Δ247.80                            | 42.18                         | V              | -67.32                      | 0.44                  | -2.32                        | -70.08                     | -25            | 45.08          |
| ◇ 277.80                           | 38.17                         | H              | -66.47                      | 0.45                  | -2.19                        | -69.11                     | -25            | 44.11          |
| ◇ 277.80                           | 40.10                         | V              | -67.56                      | 0.45                  | -2.19                        | -70.20                     | -25            | 45.20          |
| 5395.00                            | 46.88                         | H              | -56.94                      | 1.13                  | 10.30                        | -47.77                     | -25            | 22.77          |
| 5395.00                            | 46.82                         | V              | -57.00                      | 1.13                  | 10.30                        | -47.83                     | -25            | 22.83          |

**Note:**

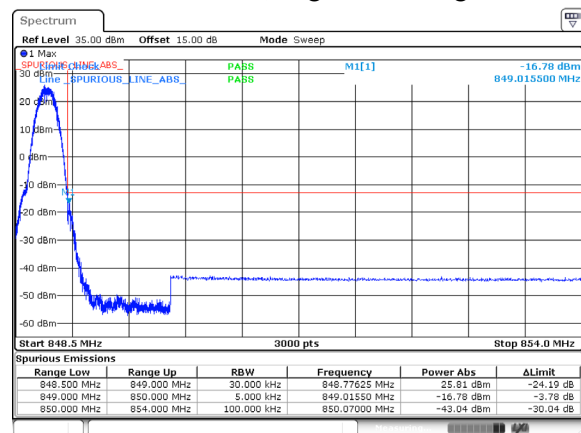
- 1) Absolute Level (dBm) = Submitted Level (dBm) - Cable loss (dB) + Antenna Gain (dBd/dBi)
- 2) Margin (dB) = Limit (dBm) - Absolute Level (dBm)

**BAND EDGES****Environmental Conditions & Test Information**

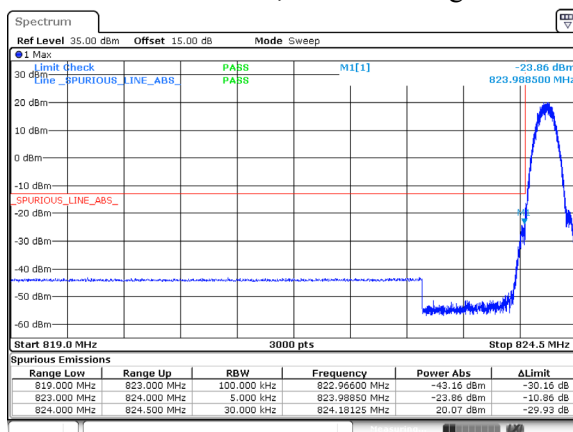
|                           |                          |
|---------------------------|--------------------------|
| <b>Test Date:</b>         | 2025-09-30 to 2025-10-10 |
| <b>Temperature:</b>       | 22.4-23.9℃               |
| <b>Relative Humidity:</b> | 48-53 %                  |
| <b>ATM Pressure:</b>      | 100.9-101.3 kPa          |
| <b>Test Result:</b>       | Pass                     |
| <b>Test Engineer:</b>     | Hugh Wu                  |

*EUT operation mode: Transmitting**Test Result: Compliant.**LTE: Please check the APPENDIX C\_Band edge for detail.***GSM 850 Band:****GPRS Mode, Left Band Edge**

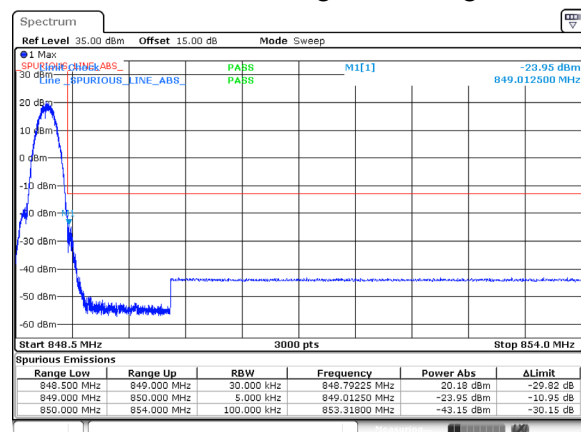
ProjectNo.: RKSA250928001 Tester: Hugh Wu  
Date: 9 OCT.2025 17:47:24

**GPRS Mode, Right Band Edge**

ProjectNo.: RKSA250928001 Tester: Hugh Wu  
Date: 9 OCT.2025 17:48:16

**EGPRS Mode, Left Band Edge**

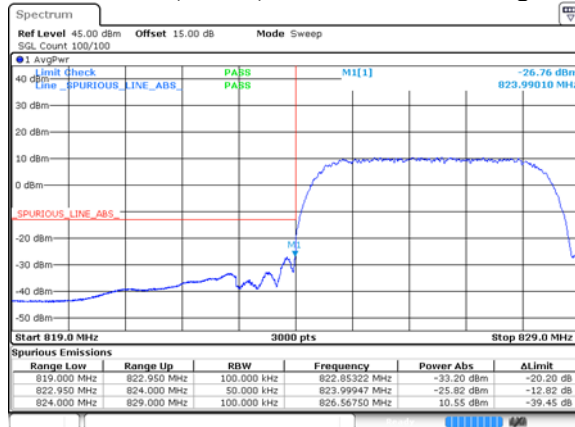
ProjectNo.: RKSA250928001 Tester: Hugh Wu  
Date: 10 OCT.2025 09:09:59

**EGPRS Mode, Right Band Edge**

ProjectNo.: RKSA250928001 Tester: Hugh Wu  
Date: 10 OCT.2025 09:10:53

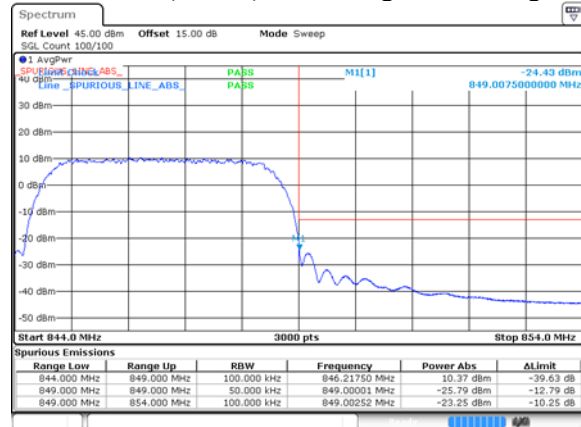
## WCDMA Band V

## WCDMA (Rel 99) Mode, Left Band Edge



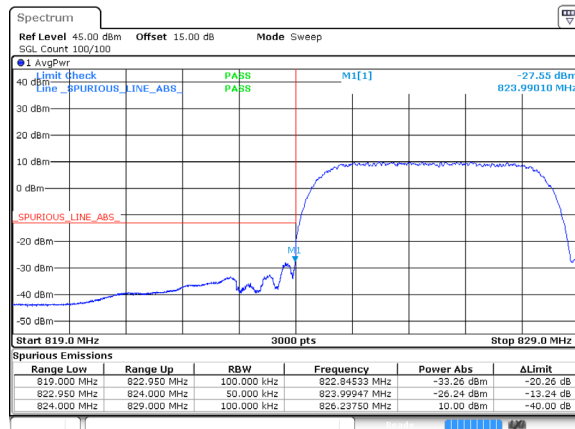
ProjectNo: RKSA250928001 Tester:Hugh Wu  
Date: 10.OCT.2025 11:01:40

## WCDMA (Rel 99) Mode, Right Band Edge



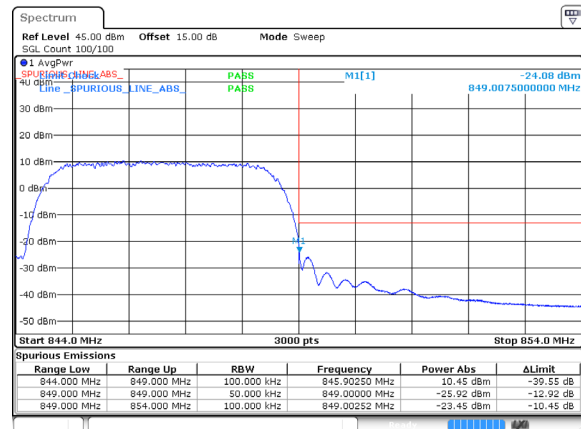
ProjectNo: RKSA250928001 Tester:Hugh Wu  
Date: 10.OCT.2025 11:02:13

## WCDMA (HSDPA) Mode, Left Band Edge



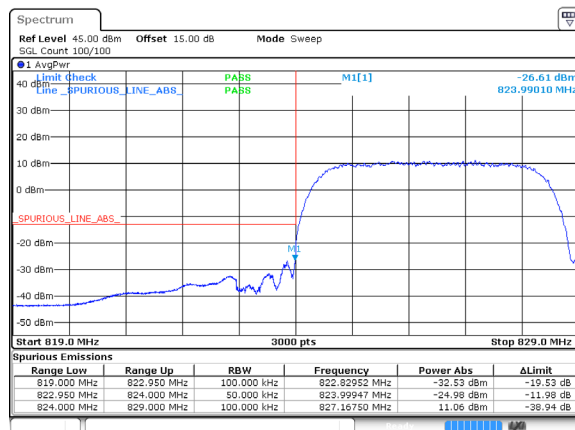
ProjectNo: RKSA250928001 Tester:Hugh Wu  
Date: 10.OCT.2025 14:00:07

## WCDMA (HSDPA) Mode, Right Band Edge



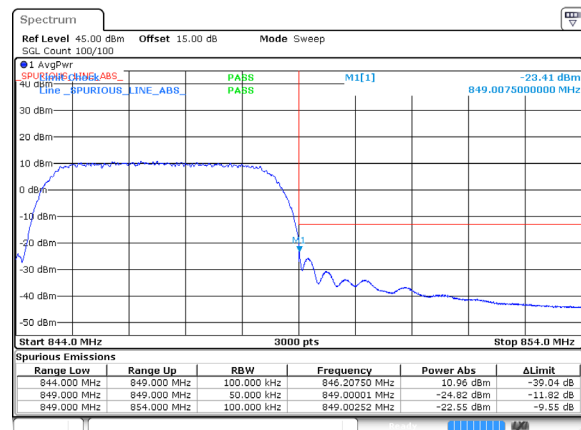
ProjectNo: RKSA250928001 Tester:Hugh Wu  
Date: 10.OCT.2025 14:00:42

## WCDMA (HSUPA) Mode, Left Band Edge



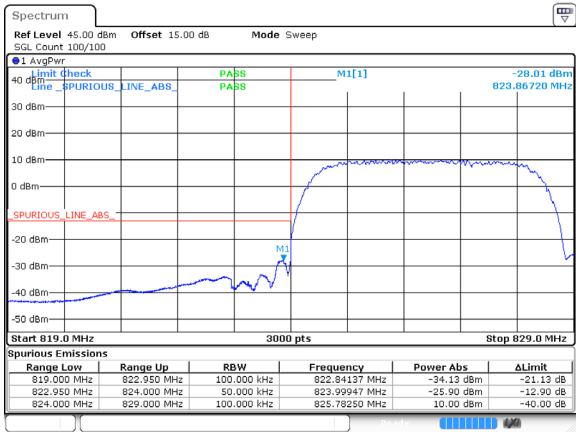
ProjectNo: RKSA250928001 Tester:Hugh Wu  
Date: 10.OCT.2025 13:23:57

## WCDMA (HSUPA) Mode, Right Band Edge



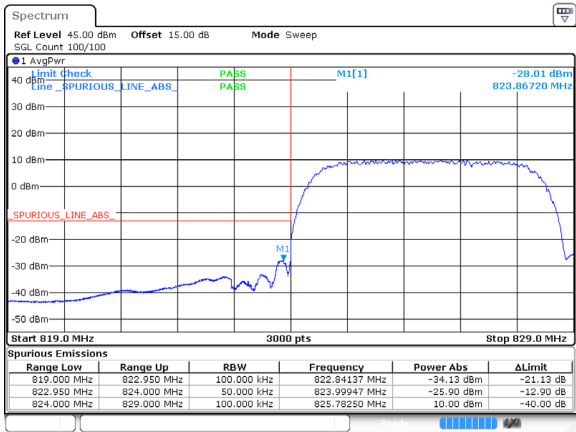
ProjectNo: RKSA250928001 Tester:Hugh Wu  
Date: 10.OCT.2025 13:24:31

WCDMA (HSPA+) Mode, Left Band Edge

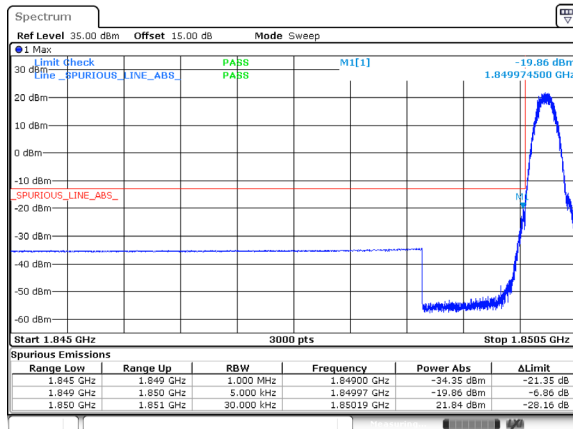


ProjectNo.:RKSA250928001 Tester:Hugh Wu  
Date: 10.OCT.2025 16:04:14

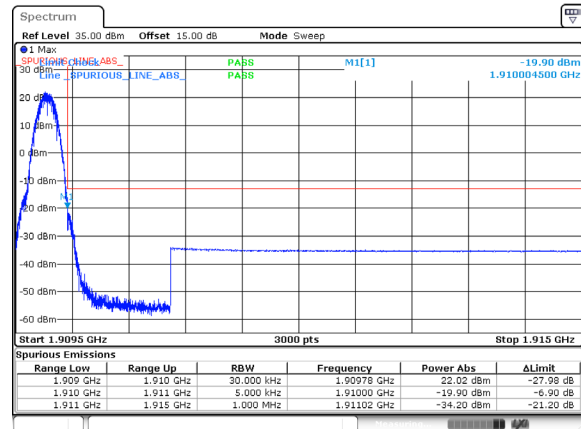
WCDMA (HSPA+) Mode, Right Band Edge



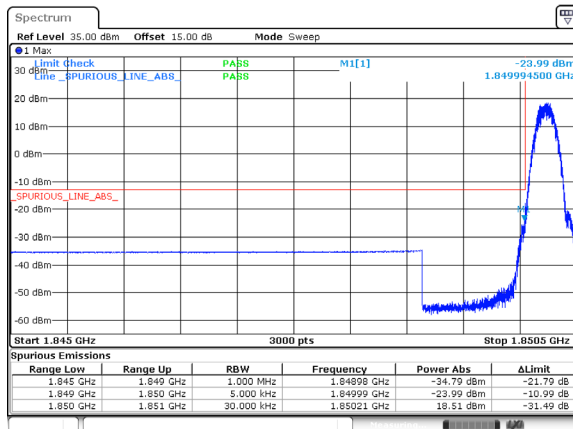
ProjectNo.:RKSA250928001 Tester:Hugh Wu  
Date: 10.OCT.2025 16:04:14

**PCS 1900 Band:****GPRS Mode, Left Band Edge**

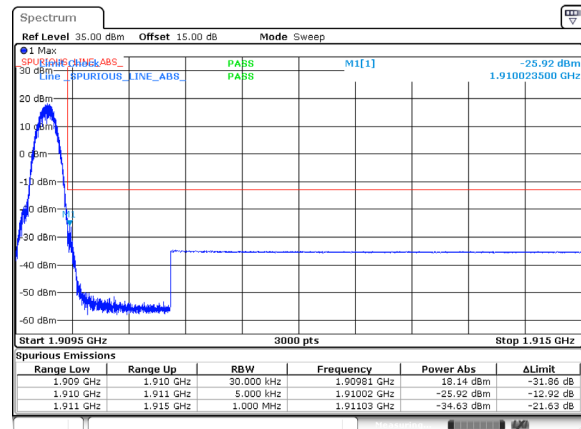
ProjectNo.: RKSA250928001 Tester:Hugh Wu  
Date: 10.OCT.2025 09:38:58

**GPRS Mode, Right Band Edge**

ProjectNo.: RKSA250928001 Tester:Hugh Wu  
Date: 10.OCT.2025 09:39:49

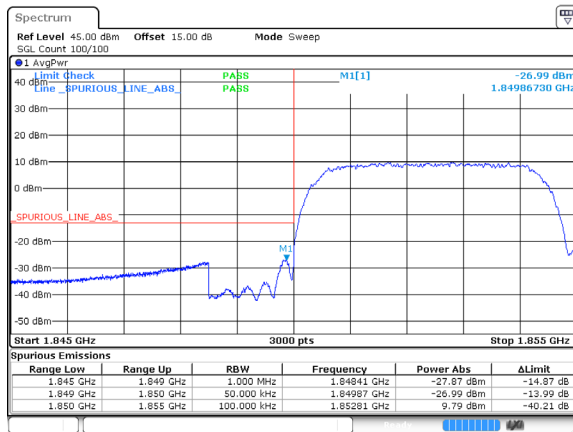
**EGPRS Mode, Left Band Edge**

ProjectNo.: RKSA250928001 Tester:Hugh Wu  
Date: 10.OCT.2025 09:41:04

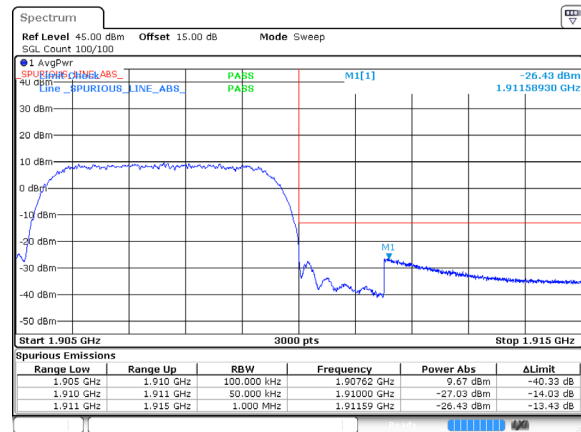
**EGPRS Mode, Right Band Edge**

ProjectNo.: RKSA250928001 Tester:Hugh Wu  
Date: 10.OCT.2025 09:41:57

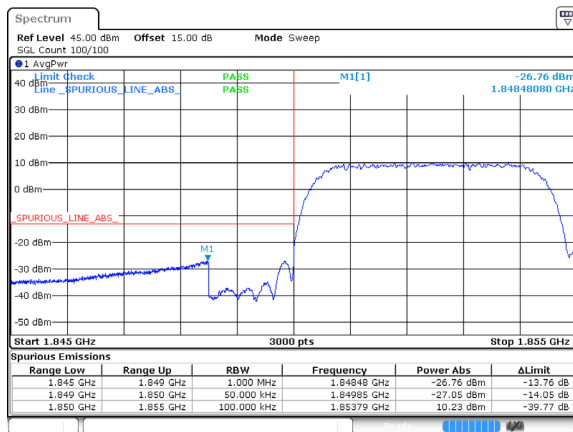


**WCDMA Band II****WCDMA (Rel 99) Mode, Left Band Edge**

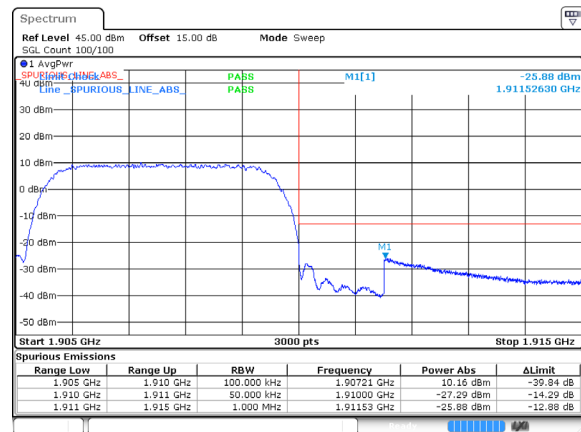
ProjectNo.: RKSA250928001 Tester:Hugh Wu  
Date: 10.OCT.2025 10:50:21

**WCDMA (Rel 99) Mode, Right Band Edge**

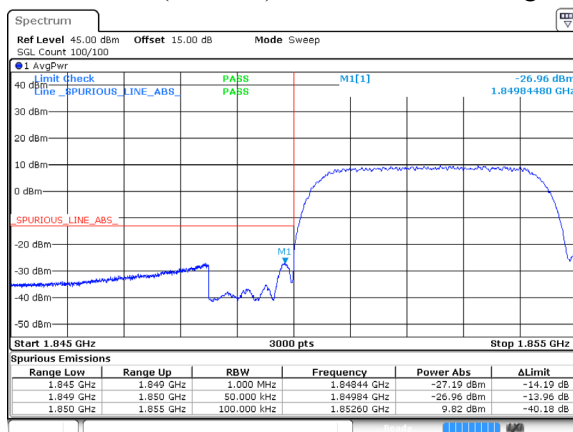
ProjectNo.: RKSA250928001 Tester:Hugh Wu  
Date: 10.OCT.2025 10:50:45

**WCDMA (HSDPA) Mode, Left Band Edge**

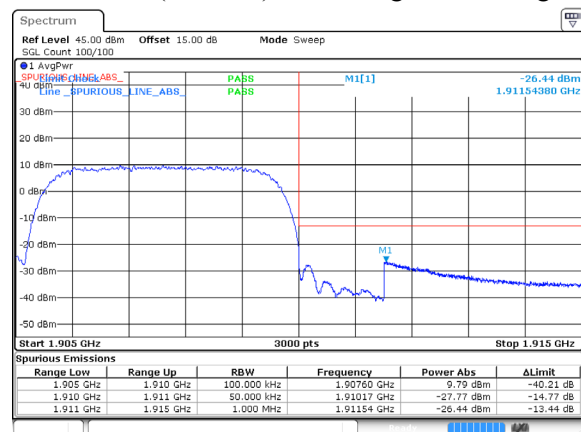
ProjectNo.: RKSA250928001 Tester:Hugh Wu  
Date: 10.OCT.2025 13:53:16

**WCDMA (HSDPA) Mode, Right Band Edge**

ProjectNo.: RKSA250928001 Tester:Hugh Wu  
Date: 10.OCT.2025 13:53:39

**WCDMA (HSUPA) Mode, Left Band Edge**

ProjectNo.: RKSA250928001 Tester:Hugh Wu  
Date: 10.OCT.2025 11:27:45

**WCDMA (HSUPA) Mode, Right Band Edge**

ProjectNo.: RKSA250928001 Tester:Hugh Wu  
Date: 10.OCT.2025 11:28:07