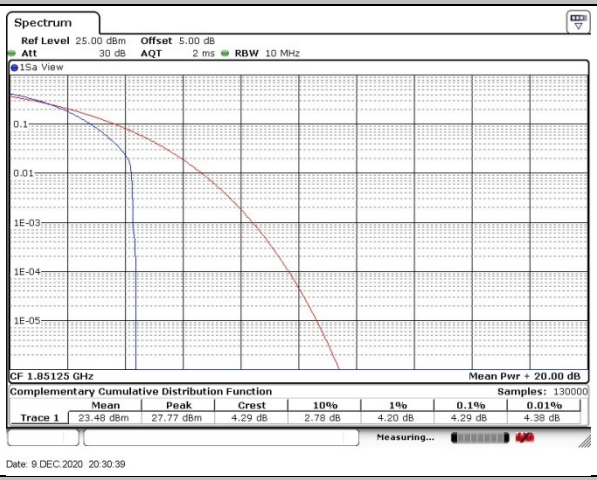
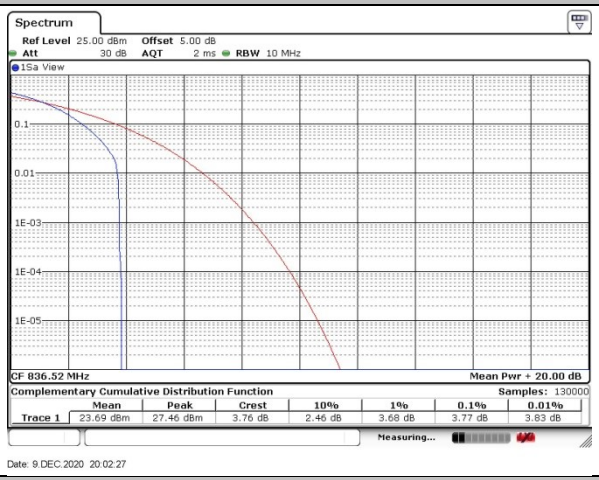
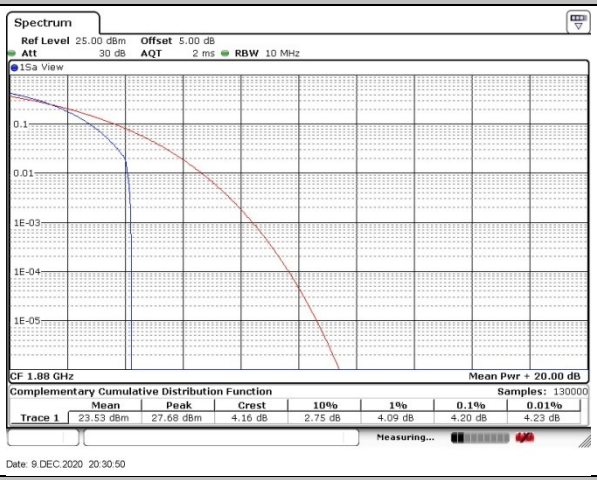
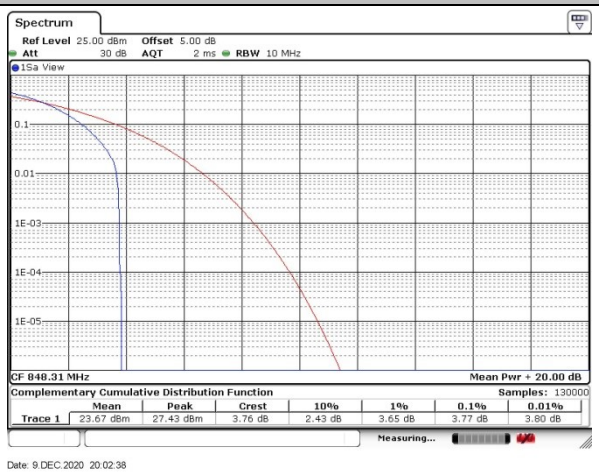
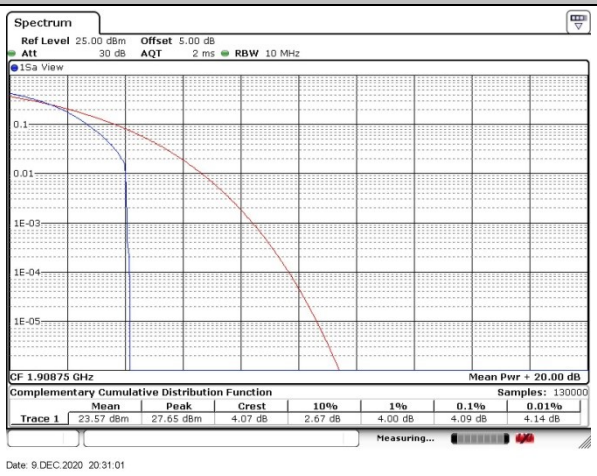
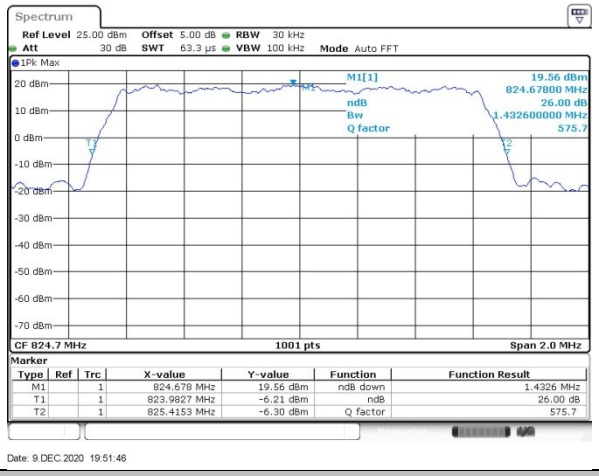
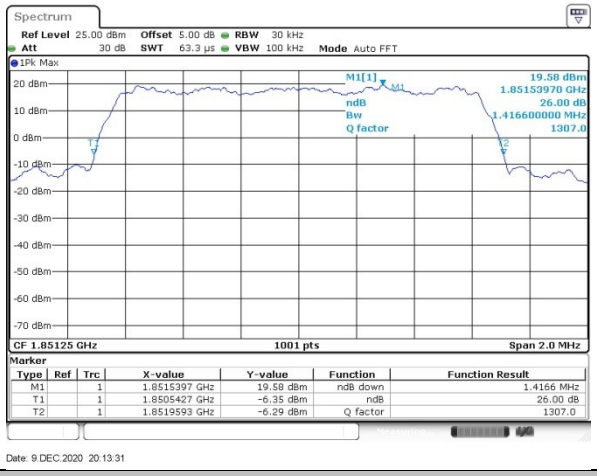
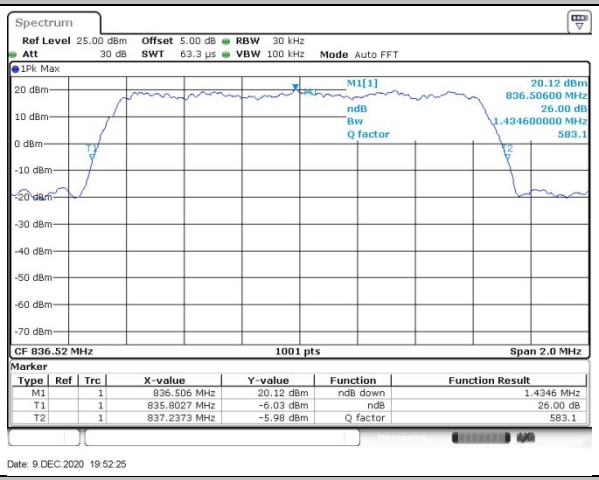
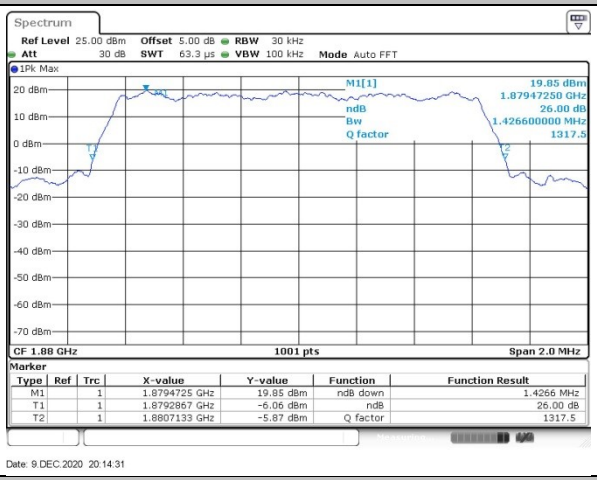
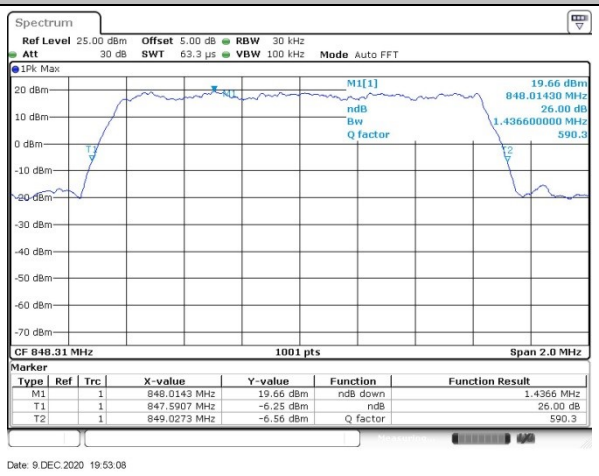
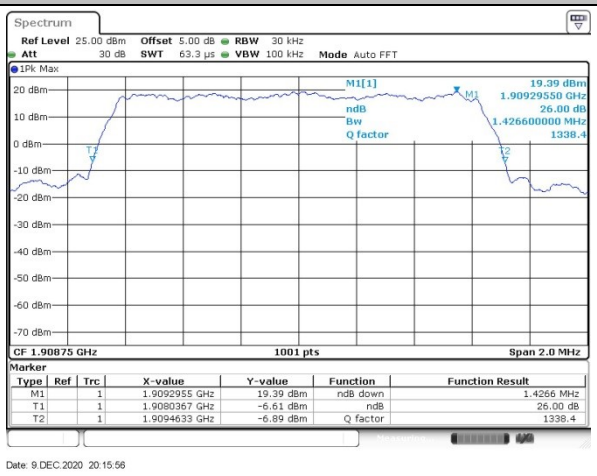
| CDMA BC0 (1xRTT) | CDMA BC1 (1xRTT) |
|---|---|
| **Lowest Channel** | **Lowest Channel** |
|  |  |
| **Middle Channel** | **Middle Channel** |
|  |  |
| **Highest Channel** | **Highest Channel** |
|  |  |

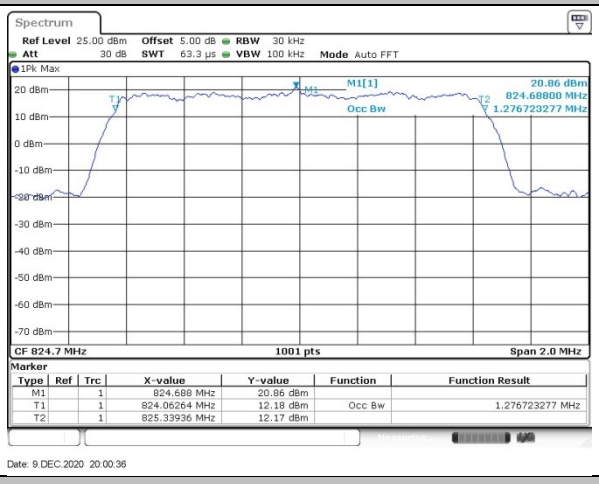
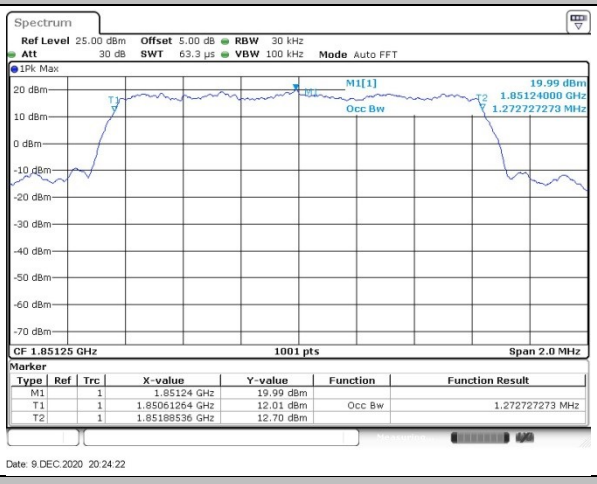
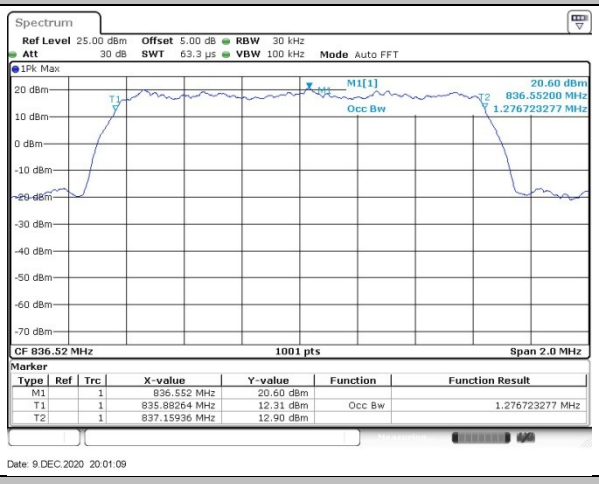
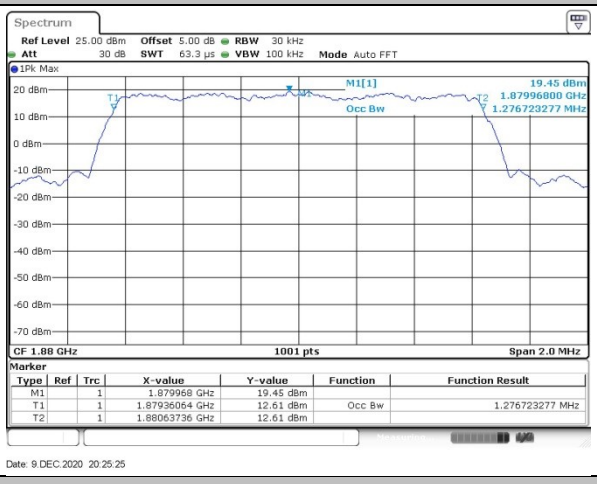
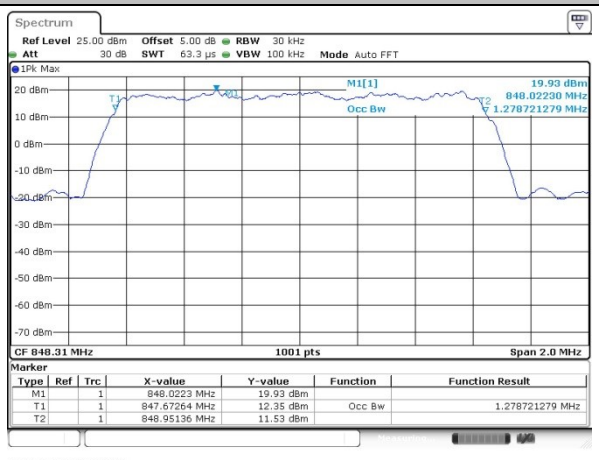
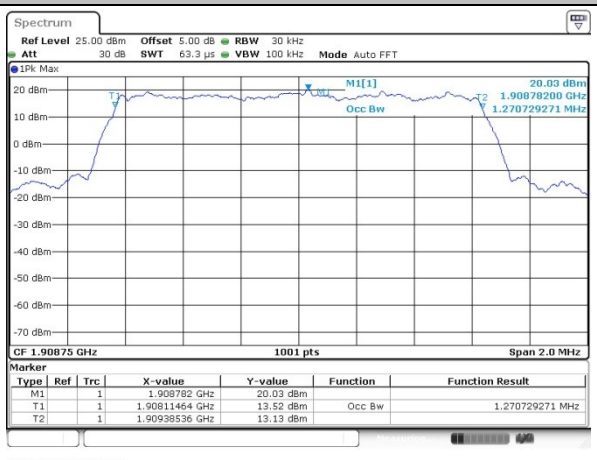
# 26dB Bandwidth

| Mode | CDMA BC0 | CDMA BC1 |
|---|---|---|
| Mod. | 1xRTT | 1xRTT |
| Lowest CH | 1.4326 | 1.4166 |
| Middle CH | 1.4346 | 1.4266 |
| Highest CH | 1.4366 | 1.4266 |

| CDMA BC0 (1xRTT) | CDMA BC1 (1xRTT) |
|---|---|
| **Lowest Channel** | **Lowest Channel** |
|  |  |
| **Middle Channel** | **Middle Channel** |
|  |  |
| **Highest Channel** | **Highest Channel** |
|  |  |

# Occupied Bandwidth

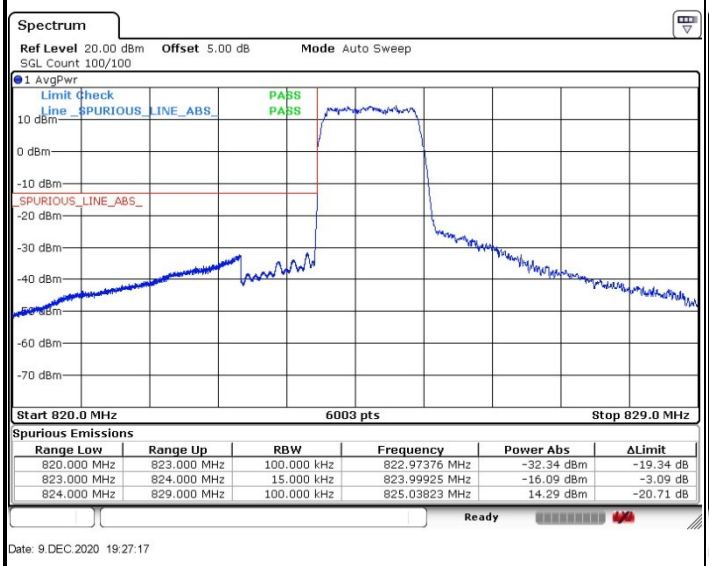
| Mode | CDMA BC0 | CDMA BC1 |
|---|---|---|
| Mod. | 1xRTT | 1xRTT |
| Lowest CH | 1.277 | 1.273 |
| Middle CH | 1.277 | 1.277 |
| Highest CH | 1.279 | 1.271 |

| CDMA BC0 (1xRTT) | CDMA BC1(1xRTT) |
|---|---|
| **Lowest Channel** | **Lowest Channel** |
|  |  |
| **Middle Channel** | **Middle Channel** |
|  |  |
| **Highest Channel** | **Highest Channel** |
|  |  |

# Conducted Band Edge

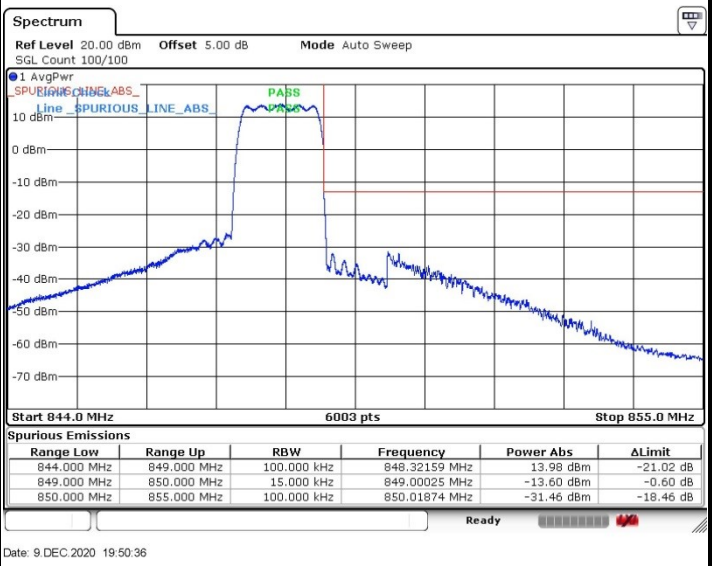
## CDMA BC0 (1xRTT)

### Lowest Band Edge




Date: 9.DEC.2020 19:27:17

### Highest Band Edge

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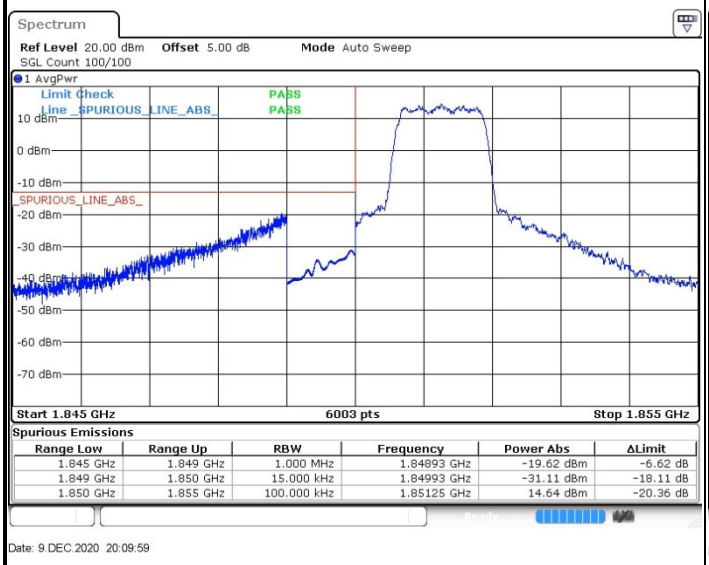
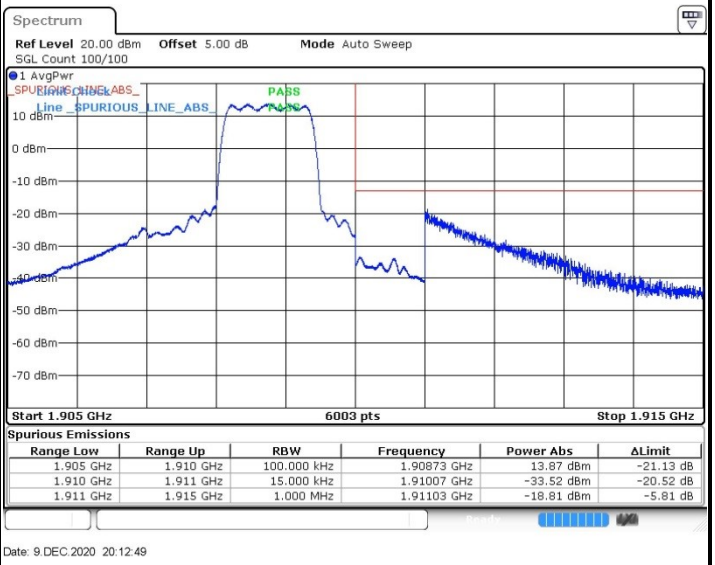
## CDMA BC1 (1xRTT)

### Lowest Band Edge




Date: 9.DEC.2020 20:09:59

### Highest Band Edge

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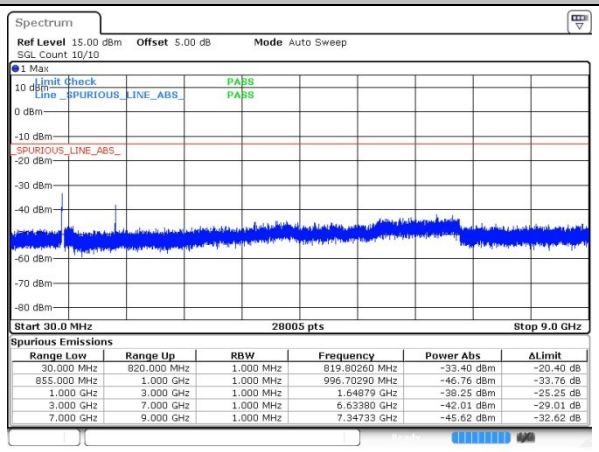
# Conducted Spurious Emission

## CDMA BC0 (1xRTT)

### Lowest Channel




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 820.000 MHz | 1.000 MHz | 819.80260 MHz | -33.40 dBm | -20.40 dB |
| 855.000 MHz | 1.000 GHz | 1.000 MHz | 996.70290 MHz | -46.76 dBm | -33.76 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.64879 GHz | -38.25 dBm | -25.25 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.63380 GHz | -42.01 dBm | -29.01 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.34733 GHz | -45.62 dBm | -32.62 dB |

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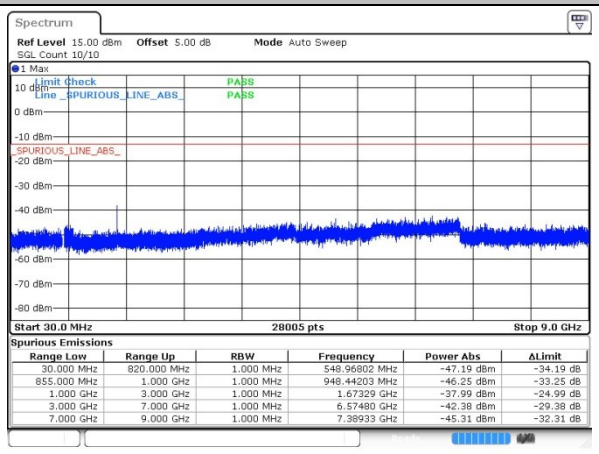
### Middle Channel




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 820.000 MHz | 1.000 MHz | 548.96802 MHz | -47.19 dBm | -34.19 dB |
| 855.000 MHz | 1.000 GHz | 1.000 MHz | 948.44203 MHz | -46.25 dBm | -33.25 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.67329 GHz | -37.99 dBm | -24.99 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.57480 GHz | -42.38 dBm | -29.38 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.38933 GHz | -45.31 dBm | -32.31 dB |

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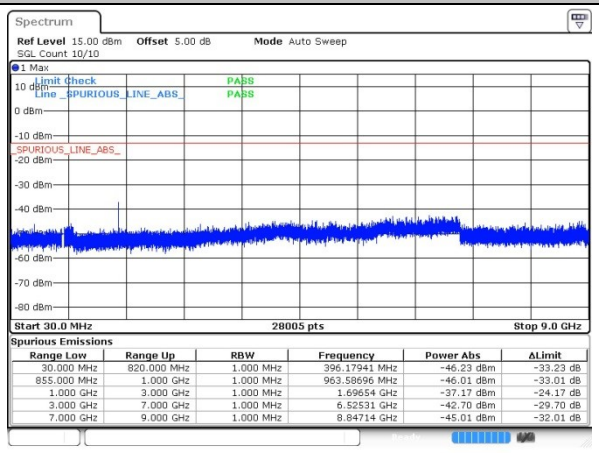
### Highest Channel




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 820.000 MHz | 1.000 MHz | 396.17941 MHz | -46.23 dBm | -33.23 dB |
| 855.000 MHz | 1.000 GHz | 1.000 MHz | 963.58696 MHz | -46.01 dBm | -33.01 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.69654 GHz | -37.17 dBm | -24.17 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.52531 GHz | -42.70 dBm | -29.70 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 8.84714 GHz | -45.01 dBm | -32.01 dB |

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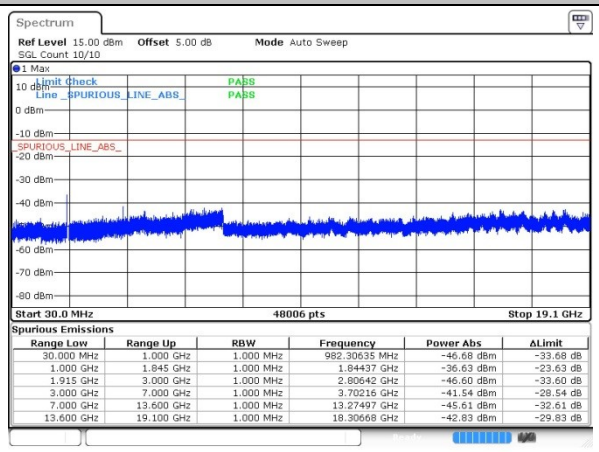
## CDMA BC1 (1xRTT)

### Lowest Channel




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 982.30635 MHz | -46.68 dBm | -33.68 dB |
| 1.000 GHz | 1.845 GHz | 1.000 MHz | 1.84437 GHz | -36.63 dBm | -23.63 dB |
| 1.915 GHz | 3.000 GHz | 1.000 MHz | 2.80642 GHz | -46.60 dBm | -33.60 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 3.70216 GHz | -41.54 dBm | -28.54 dB |
| 7.000 GHz | 13.600 GHz | 1.000 MHz | 13.27497 GHz | -45.61 dBm | -32.61 dB |
| 13.600 GHz | 19.100 GHz | 1.000 MHz | 18.30668 GHz | -42.83 dBm | -29.83 dB |

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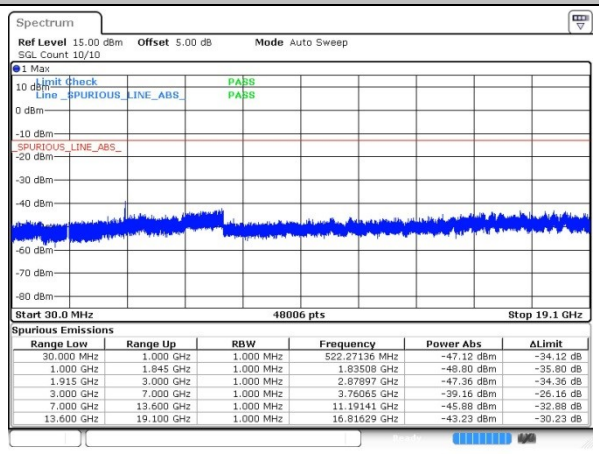
### Middle Channel




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 522.27136 MHz | -47.12 dBm | -34.12 dB |
| 1.000 GHz | 1.845 GHz | 1.000 MHz | 1.83508 GHz | -48.80 dBm | -35.80 dB |
| 1.915 GHz | 3.000 GHz | 1.000 MHz | 2.87897 GHz | -47.36 dBm | -34.36 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 3.76065 GHz | -39.16 dBm | -26.16 dB |
| 7.000 GHz | 13.600 GHz | 1.000 MHz | 11.19141 GHz | -45.88 dBm | -32.88 dB |
| 13.600 GHz | 19.100 GHz | 1.000 MHz | 16.81629 GHz | -43.23 dBm | -30.23 dB |

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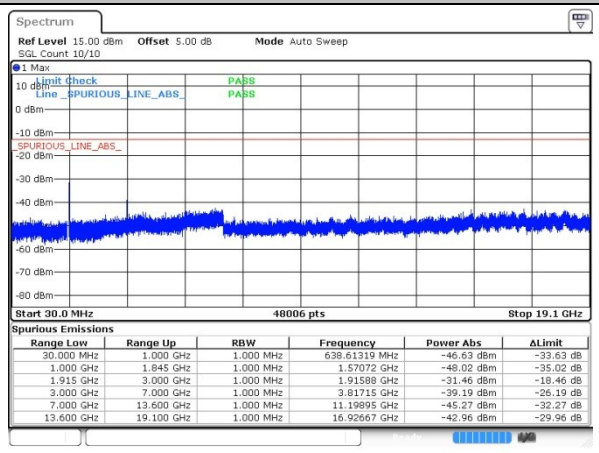
### Highest Channel




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 638.61319 MHz | -46.63 dBm | -33.63 dB |
| 1.000 GHz | 1.845 GHz | 1.000 MHz | 1.57072 GHz | -48.02 dBm | -35.02 dB |
| 1.915 GHz | 3.000 GHz | 1.000 MHz | 1.91588 GHz | -31.46 dBm | -18.46 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 3.81715 GHz | -39.19 dBm | -26.19 dB |
| 7.000 GHz | 13.600 GHz | 1.000 MHz | 11.19895 GHz | -45.27 dBm | -32.27 dB |
| 13.600 GHz | 19.100 GHz | 1.000 MHz | 16.92667 GHz | -42.96 dBm | -29.96 dB |

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# Frequency Stability

| Test Conditions | Middle Channel | CDMA BC0 (1xRTT) | Limit 2.5ppm |
|---|---|---|---|
| Temperature (°C) | Voltage (Volt) | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0140 | PASS |
| 40 | Normal Voltage | 0.0133 | |
| 30 | Normal Voltage | 0.0074 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0046 | |
| 0 | Normal Voltage | 0.0165 | |
| -10 | Normal Voltage | 0.0036 | |
| -20 | Normal Voltage | 0.0098 | |
| -30 | Normal Voltage | 0.0071 | |
| 20 | Maximum Voltage | 0.0104 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0101 | |

**Note:** Normal Voltage = 3.8V ; Battery End Point (BEP) = 3.4V. ; Maximum Voltage =4.45V

| Test Conditions | Middle Channel | CDMA BC1 (1xRTT) | Limit Note 2. |
|---|---|---|---|
| Temperature (°C) | Voltage (Volt) | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0092 | PASS |
| 40 | Normal Voltage | 0.0041 | |
| 30 | Normal Voltage | 0.0103 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0029 | |
| 0 | Normal Voltage | 0.0033 | |
| -10 | Normal Voltage | 0.0045 | |
| -20 | Normal Voltage | 0.0000 | |
| -30 | Normal Voltage | 0.0034 | |
| 20 | Maximum Voltage | 0.0071 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0082 | |

**Note:**

1. Normal Voltage = 3.8V ; Battery End Point (BEP) = 3.4V. ; Maximum Voltage =4.45V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

# Appendix B. Test Results of Radiated Test

## Radiated Spurious Emission

| GSM850 (GSM) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Channel | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 1672 | -59.94 | -13 | -46.94 | -66.91 | 1.58 | 10.70 | H |
| | 2510 | -58.52 | -13 | -45.52 | -66.77 | 2.102 | 12.50 | H |
| | 3348 | -58.47 | -13 | -45.47 | -67.36 | 2.856 | 13.90 | H |
| | 1672 | -62.58 | -13 | -49.58 | -69.55 | 1.58 | 10.70 | V |
| | 2510 | -57.60 | -13 | -44.60 | -65.85 | 2.10 | 12.50 | V |
| | 3348 | -58.62 | -13 | -45.62 | -67.51 | 2.86 | 13.90 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| GSM850 (EDGE class 8) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Channel | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 1672 | -63.83 | -13 | -50.83 | -70.80 | 1.58 | 10.70 | H |
| | 2510 | -58.78 | -13 | -45.78 | -67.03 | 2.102 | 12.50 | H |
| | 3348 | -58.85 | -13 | -45.85 | -67.74 | 2.856 | 13.90 | H |
| | 1672 | -62.79 | -13 | -49.79 | -69.76 | 1.58 | 10.70 | V |
| | 2510 | -58.19 | -13 | -45.19 | -66.44 | 2.10 | 12.50 | V |
| | 3348 | -58.82 | -13 | -45.82 | -67.71 | 2.86 | 13.90 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| GSM1900 (GSM) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Channel | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 3759 | -57.84 | -13 | -44.84 | -70.10 | 2.641 | 14.90 | H |
| | 5640 | -55.66 | -13 | -42.66 | -67.52 | 2.94 | 14.80 | H |
| | 7524 | -53.38 | -13 | -40.38 | -63.15 | 3.39 | 13.16 | H |
| | 3759 | -57.56 | -13 | -44.56 | -69.82 | 2.64 | 14.90 | V |
| | 5640 | -56.19 | -13 | -43.19 | -68.05 | 2.94 | 14.80 | V |
| | 7524 | -53.31 | -13 | -40.31 | -63.08 | 3.39 | 13.16 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| GSM1900 (EDGE class 8) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Channel | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 3759 | -57.90 | -13 | -44.90 | -70.16 | 2.641 | 14.90 | H |
| | 5640 | -55.78 | -13 | -42.78 | -67.64 | 2.94 | 14.80 | H |
| | 7524 | -53.59 | -13 | -40.59 | -63.36 | 3.39 | 13.16 | H |
| | 3759 | -57.69 | -13 | -44.69 | -69.95 | 2.64 | 14.90 | V |
| | 5640 | -56.29 | -13 | -43.29 | -68.15 | 2.94 | 14.80 | V |
| | 7524 | -53.25 | -13 | -40.25 | -63.02 | 3.39 | 13.16 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| WCDMA Band V(RMC 12.2Kbps) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Channel | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 1672 | -63.96 | -13 | -50.96 | -70.93 | 1.58 | 10.70 | H |
| | 2510 | -58.79 | -13 | -45.79 | -67.04 | 2.102 | 12.50 | H |
| | 3348 | -58.87 | -13 | -45.87 | -67.76 | 2.856 | 13.90 | H |
| | 1672 | -62.79 | -13 | -49.79 | -69.76 | 1.58 | 10.70 | V |
| | 2510 | -58.26 | -13 | -45.26 | -66.51 | 2.10 | 12.50 | V |
| | 3348 | -58.79 | -13 | -45.79 | -67.68 | 2.86 | 13.90 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| WCDMA Band II(RMC 12.2Kbps) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Channel | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 3759 | -57.91 | -13 | -44.91 | -70.17 | 2.64 | 14.90 | H |
| | 5640 | -55.54 | -13 | -42.54 | -67.40 | 2.94 | 14.80 | H |
| | 7524 | -53.56 | -13 | -40.56 | -63.33 | 3.39 | 13.16 | H |
| | 3759 | -57.72 | -13 | -44.72 | -69.98 | 2.64 | 14.90 | V |
| | 5640 | -56.21 | -13 | -43.21 | -68.07 | 2.94 | 14.80 | V |
| | 7524 | -53.48 | -13 | -40.48 | -63.25 | 3.39 | 13.16 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| WCDMA Band IV(RMC 12.2Kbps) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Channel | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 3465 | -58.23 | -13 | -45.23 | -68.97 | 2.604 | 13.34 | H |
| | 5199 | -55.16 | -13 | -42.16 | -65.67 | 3.011 | 13.52 | H |
| | 6936 | -54.87 | -13 | -41.87 | -65.07 | 3.271 | 13.47 | H |
| | 3465 | -58.50 | -13 | -45.50 | -69.24 | 2.604 | 13.34 | V |
| | 5199 | -54.63 | -13 | -41.63 | -65.14 | 3.011 | 13.52 | V |
| | 6936 | -54.93 | -13 | -41.93 | -65.13 | 3.271 | 13.47 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| CDMA BC0(1xRTT) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Channel | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 1674 | -63.63 | -13 | -50.63 | -70.60 | 1.58 | 10.70 | H |
| | 2510 | -58.44 | -13 | -45.44 | -66.69 | 2.102 | 12.50 | H |
| | 3348 | -58.60 | -13 | -45.60 | -67.49 | 2.856 | 13.90 | H |
| | 1674 | -62.71 | -13 | -49.71 | -69.68 | 1.58 | 10.70 | V |
| | 2510 | -57.66 | -13 | -44.66 | -65.91 | 2.10 | 12.50 | V |
| | 3348 | -58.61 | -13 | -45.61 | -67.50 | 2.86 | 13.90 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| CDMA BC1(1xRTT) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Channel | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 3759 | -57.59 | -13 | -44.59 | -69.85 | 2.641 | 14.90 | H |
| | 5640 | -55.37 | -13 | -42.37 | -67.23 | 2.94 | 14.80 | H |
| | 7524 | -53.14 | -13 | -40.14 | -62.91 | 3.39 | 13.16 | H |
| | 3759 | -57.44 | -13 | -44.44 | -69.70 | 2.64 | 14.90 | V |
| | 5640 | -55.79 | -13 | -42.79 | -67.65 | 2.94 | 14.80 | V |
| | 7524 | -53.25 | -13 | -40.25 | -63.02 | 3.39 | 13.16 | V |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.