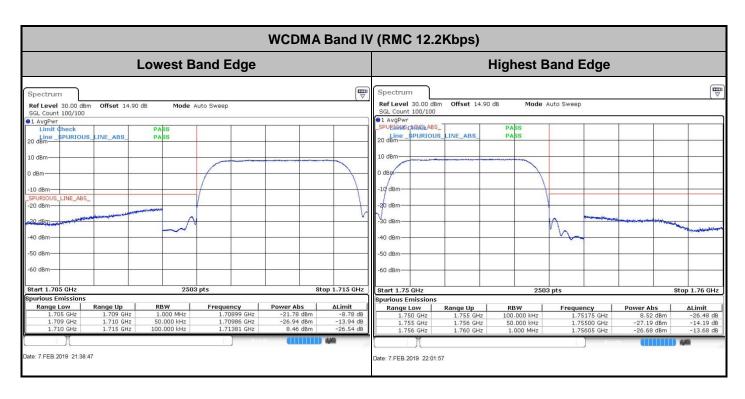
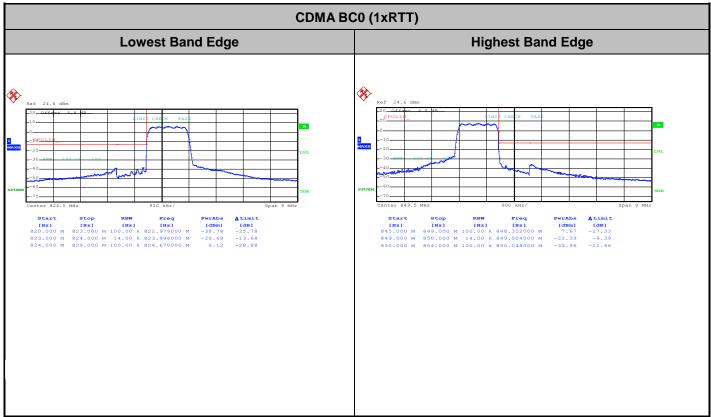


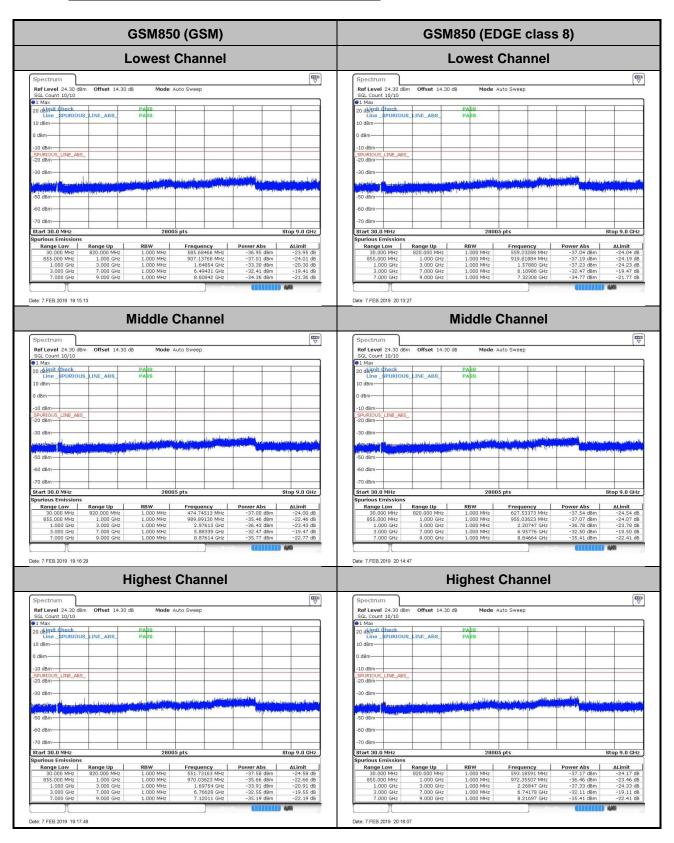
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Conducted Spurious Emission



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GSM1900 (GSM) GSM1900 (EDGE class 8) **Lowest Channel Lowest Channel ₩ _** Ref Level 24.90 dBm Offset 14.90 dB SGL Count 10/10 1 Max Ref Level 24.90 dBm Offset 14.90 dB 20 demit Check LINE ABS 48006 pts 48006 pts Start 30.0 MHz Stop 19.1 GHz Start 30.0 MHz Stop 19.1 GHz Range Low 30.000 MHz Range Low 30.000 MHz Date: 7.FEB.2019 20:33:49 Date: 7.FEB.2019 20:48:50 **Middle Channel Middle Channel** Spectrum 💥 20 dimit Check Line _SPURIOUS_LINE_ABS 30 dBm Start 30.0 MH Stop 19.1 GHz Start 30.0 MHz Stop 19.1 GHz 1.000 GHz 1.845 GHz 3.000 GHz 7.000 GHz 13.600 GHz 19.100 GHz Date: 7.FEB.2019 20:35:21 Date: 7.FEB.2019 20:50:09 **Highest Channel Highest Channel** Ref Level 24.9 SGL Count 10/10 1 Max SGL Count 10/10 20 dimit Check
Line_SPURIOUS_LINE_ABS 20 dbm Line_spurious_LINE_ABS dBm-
 Frequency
 Power Abs

 876.62919 MHz
 -37.49 dBm

 1.25495 GHz
 -37.85 dBm

 2.08810 GHz
 -36.45 dBm

 6.82177 GHz
 -30.91 dBm

 10.60311 GHz
 -35.67 dBm

 17.90010 GHz
 -31.84 dBm
 ΔLimit
-24.49 dB
-24.85 dB
-23.45 dB
-17.91 dB
-22.67 dB
-18.84 dB Range Low Range Low 30.000 MHz Frequency Power Abs 194.09045 MHz -37.14 dBm

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WCDMA Band V (RMC 12.2Kbps) WCDMA Band II (RMC 12.2Kbps) **Lowest Channel Lowest Channel _** Ref Level 24.90 dBm Offset 14.90 dB SGL Count 10/10 1 Max Offset 14.30 dB Mode Auto Sweep 20 demit Check LINE ABS -30 dBm-48006 pts Start 30.0 MHz Stop 19.1 GHz Stop 9.0 GHz Start 30.0 MHz Range Low 30,000 MHz Range Low 30,000 MHz Date: 7.FEB.2019 21:09:56 Date: 7.FEB.2019 21:26:06 **Middle Channel Middle Channel** INE ABS 30 dBm Start 30.0 MHz Stop 19.1 GHz Date: 7.FEB.2019 21:11:43 Date: 7.FEB.2019 21:27:35 **Highest Channel Highest Channel** Ref Level 24.3 SGL Count 10/10 20 dbm Line_spurious_LINE_ABS LINE ABS dBm-Start 30.0 MHz Stop 9.0 GHz Frequency 992,48626 MHz

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FCC RF Test Report Report No.: FG911620A WCDMA Band IV (RMC 12.2Kbps) CDMA BC0 (1xRTT) **Lowest Channel Lowest Channel □** * Mode Auto Sweep Date: 7.FEB.2019 22:03:18 **Middle Channel Middle Channel** 20 dbine SPURIOUS_LINE_ABS_ 20 dBm **Highest Channel Highest Channel**

Date: 7.FEB.2019 22:04:35 **%** Frequency Power Abs 939.16292 MHz -36.67 dBr

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Frequency Stability

| Test Conditions | Middle Channel | GSM850 (GSM) | GSM850 (EDGE class 8) | Limit 2.5ppm |
|------------------|-------------------|-----------------|--------------------------|-----------------|
| Temperature (°C) | Voltage (Volt) | Deviation | n (ppm) | Result |
| 50 | Normal Voltage | 0.0048 | 0.0060 | |
| 40 | Normal Voltage | 0.0526 | 0.0167 | |
| 30 | Normal Voltage | 0.0120 | 0.0538 | |
| 20(Ref.) | Normal Voltage | 0.0000 | 0.0000 | |
| 10 | Normal Voltage | 0.0574 | 0.0335 | |
| 0 | Normal Voltage | 0.0191 | 0.0538 | |
| -10 | Normal Voltage | 0.0084 | 0.0466 | PASS |
| -20 | Normal Voltage | 0.0143 | 0.0167 | |
| -30 | Normal Voltage | 0.0108 | 0.0478 | |
| 20 | Maximum Voltage | 0.0466 | 0.0514 | |
| 20 | Normal Voltage | 0.0000 | 0.0000 |] |
| 20 | Battery End Point | 0.0395 | 0.0395 |] |

Note: Normal Voltage = 3.87V. ; Battery End Point (BEP) = 3.7V. ; Maximum Voltage = 4.35V

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| Test Conditions | Middle Channel | GSM1900 (GSM) | GSM1900 (EDGE class 8) | Limit Note 2. |
|------------------|-------------------|-------------------------|----------------------------------|------------------|
| Temperature (°C) | Voltage (Volt) | Deviatio | n (ppm) | Result |
| 50 | Normal Voltage | 0.0053 | 0.0005 | |
| 40 | Normal Voltage | 0.0016 | 0.0016 | |
| 30 | Normal Voltage | 0.0027 | 0.0021 | |
| 20(Ref.) | Normal Voltage | 0.0000 | 0.0000 | |
| 10 | Normal Voltage | 0.0170 | 0.0255 | |
| 0 | Normal Voltage | 0.0074 | 0.0186 | |
| -10 | Normal Voltage | 0.0160 | 0.0011 | PASS |
| -20 | Normal Voltage | 0.0218 | 0.0037 | |
| -30 | Normal Voltage | 0.0005 | 0.0213 | |
| 20 | Maximum Voltage | 0.0053 | 0.0160 | |
| 20 | Normal Voltage | 0.0000 | 0.0000 | |
| 20 | Battery End Point | 0.0133 | 0.0011 | |

Note:

- 1. Normal Voltage = 3.87V. ; Battery End Point (BEP) = 3.7V. ; Maximum Voltage = 4.35V
- 2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

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| Test Conditions | Middle Channel | WCDMA Band V (RMC 12.2Kbps) | Limit 2.5ppm |
|------------------|-------------------|--------------------------------|-----------------|
| Temperature (°C) | Voltage (Volt) | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0060 | |
| 40 | Normal Voltage | 0.0395 | |
| 30 | Normal Voltage | 0.0442 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0072 | |
| 0 | Normal Voltage | 0.0323 | |
| -10 | Normal Voltage | 0.0048 | PASS |
| -20 | Normal Voltage | 0.0167 | |
| -30 | Normal Voltage | 0.0311 | |
| 20 | Maximum Voltage | 0.0442 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0012 | |

Note: Normal Voltage = 3.87V. ; Battery End Point (BEP) = 3.7V. ; Maximum Voltage = 4.35V

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| Test Conditions | Middle Channel | WCDMA Band II (RMC 12.2Kbps) | Limit Note 2. |
|------------------|-------------------|---------------------------------|------------------|
| Temperature (°C) | Voltage (Volt) | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0186 | |
| 40 | Normal Voltage | 0.0128 | |
| 30 | Normal Voltage | 0.0165 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0117 | |
| 0 | Normal Voltage | 0.0154 | |
| -10 | Normal Voltage | 0.0239 | PASS |
| -20 | Normal Voltage | 0.0005 | |
| -30 | Normal Voltage | 0.0117 | |
| 20 | Maximum Voltage | 0.0165 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0032 | |

Note:

- 1. Normal Voltage = 3.87V. ; Battery End Point (BEP) = 3.7V. ; Maximum Voltage = 4.35V
- **2.** The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

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| Test Conditions | Middle Channel | WCDMA Band IV (RMC 12.2Kbps) | Limit Note 2. |
|------------------|-------------------|---------------------------------|------------------|
| Temperature (°C) | Voltage (Volt) | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0069 | |
| 40 | Normal Voltage | 0.0156 | |
| 30 | Normal Voltage | 0.0017 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0012 | |
| 0 | Normal Voltage | 0.0058 | |
| -10 | Normal Voltage | 0.0150 | PASS |
| -20 | Normal Voltage | 0.0167 | |
| -30 | Normal Voltage | 0.0092 | |
| 20 | Maximum Voltage | 0.0092 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0167 | |

Note:

- 1. Normal Voltage = 3.87V. ; Battery End Point (BEP) = 3.7V. ; Maximum Voltage = 4.35V
- **2.** The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

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| Test Conditions | Middle Channel | CDMA BC0 (1xRTT) | Limit 2.5ppm |
|------------------|-------------------|---------------------|-----------------|
| Temperature (°C) | Voltage (Volt) | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0012 | |
| 40 | Normal Voltage | 0.0155 | |
| 30 | Normal Voltage | 0.0072 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0048 | |
| 0 | Normal Voltage | 0.0215 | |
| -10 | Normal Voltage | 0.0048 | PASS |
| -20 | Normal Voltage | 0.0179 | |
| -30 | Normal Voltage | 0.0251 | |
| 20 | Maximum Voltage | 0.0024 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0191 | |

Note: Normal Voltage = 3.87V. ; Battery End Point (BEP) = 3.7V. ; Maximum Voltage = 4.35V

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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) | | |
| | 1672 | -62.86 | -13 | -49.86 | -69.83 | 1.58 | 10.70 | Н | | |
| | 2508 | -42.45 | -13 | -29.45 | -50.70 | 2.102 | 12.50 | Н | | |
| N 4: al all a | 3348 | -64.71 | -13 | -51.71 | -73.60 | 2.856 | 13.90 | Н | | |
| Middle | 1672 | -64.51 | -13 | -51.51 | -71.48 | 1.58 | 10.70 | V | | |
| | 2508 | -51.91 | -13 | -38.91 | -60.16 | 2.10 | 12.50 | V | | |
| | 3348 | -64.08 | -13 | -51.08 | -72.97 | 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) | | |
| | 1672 | -67.65 | -13 | -54.65 | -74.62 | 1.58 | 10.70 | Н | | |
| | 2508 | -53.38 | -13 | -40.38 | -61.63 | 2.102 | 12.50 | Н | | |
| Middle | 3348 | -64.78 | -13 | -51.78 | -73.67 | 2.856 | 13.90 | Н | | |
| ivildale | 1672 | -69.29 | -13 | -56.29 | -76.26 | 1.58 | 10.70 | V | | |
| | 2508 | -56.75 | -13 | -43.75 | -65.00 | 2.10 | 12.50 | V | | |
| | 3348 | -64.55 | -13 | -51.55 | -73.44 | 2.86 | 13.90 | V | | |

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

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| | 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) | |
| | 3759 | -58.83 | -13 | -45.83 | -71.09 | 2.641 | 14.90 | Н | |
| | 5640 | -55.96 | -13 | -42.96 | -67.82 | 2.94 | 14.80 | Н | |
| N 4: el el la | 7521 | -51.83 | -13 | -38.83 | -61.60 | 3.39 | 13.16 | Н | |
| Middle | 3760 | -58.29 | -13 | -45.29 | -70.55 | 2.64 | 14.90 | V | |
| | 5640 | -56.02 | -13 | -43.02 | -67.88 | 2.94 | 14.80 | V | |
| | 7521 | -51.24 | -13 | -38.24 | -61.01 | 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) | | |
| | 3762 | -59.21 | -13 | -46.21 | -71.47 | 2.641 | 14.90 | Н | | |
| | 5640 | -56.62 | -13 | -43.62 | -68.48 | 2.94 | 14.80 | Н | | |
| Middle | 7520 | -52.56 | -13 | -39.56 | -62.33 | 3.39 | 13.16 | Н | | |
| Middle | 3760 | -58.76 | -13 | -45.76 | -71.02 | 2.64 | 14.90 | V | | |
| | 5640 | -56.39 | -13 | -43.39 | -68.25 | 2.94 | 14.80 | V | | |
| | 7518 | -51.92 | -13 | -38.92 | -61.69 | 3.39 | 13.16 | V | | |

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

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| | 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) | | |
| | 1672 | -69.14 | -13 | -56.14 | -76.11 | 1.58 | 10.70 | Н | | |
| | 2508 | -64.59 | -13 | -51.59 | -72.84 | 2.102 | 12.50 | Н | | |
| M: delle | 3348 | -64.40 | -13 | -51.40 | -73.29 | 2.856 | 13.90 | Н | | |
| Middle | 1672 | -69.19 | -13 | -56.19 | -76.16 | 1.58 | 10.70 | V | | |
| | 2508 | -65.01 | -13 | -52.01 | -73.26 | 2.10 | 12.50 | V | | |
| | 3348 | -64.26 | -13 | -51.26 | -73.15 | 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) | | |
| | 3762 | -58.82 | -13 | -45.82 | -71.08 | 2.641 | 14.90 | Н | | |
| | 5640 | -56.46 | -13 | -43.46 | -68.32 | 2.94 | 14.80 | Н | | |
| Middle | 7520 | -52.32 | -13 | -39.32 | -62.09 | 3.39 | 13.16 | Н | | |
| Middle | 3760 | -58.80 | -13 | -45.80 | -71.06 | 2.64 | 14.90 | V | | |
| | 5640 | -56.21 | -13 | -43.21 | -68.07 | 2.94 | 14.80 | V | | |
| | 7518 | -52.26 | -13 | -39.26 | -62.03 | 3.39 | 13.16 | V | | |

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

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| 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 | -58.93 | -13 | -45.93 | -65.25 | 1.81 | 8.13 | Н | | | | |
| | 5199 | -55.65 | -13 | -42.65 | -63.63 | 2.222 | 10.20 | Н | | | | |
| | 6936 | -53.52 | -13 | -40.52 | -62.34 | 2.54 | 11.36 | Н | | | | |
| | 3465 | -58.92 | -13 | -45.92 | -65.24 | 1.81 | 8.13 | V | | | | |
| | 5199 | -56.38 | -13 | -43.38 | -64.36 | 2.222 | 10.20 | V | | | | |
| | 6936 | -54.14 | -13 | -41.14 | -62.96 | 2.54 | 11.36 | 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 | 1672 | -68.66 | -13 | -55.66 | -69.87 | 2.32 | 5.68 | Н | | | | |
| | 2510 | -66.25 | -13 | -53.25 | -66.88 | 3.02 | 5.80 | Н | | | | |
| | 3348 | -66.15 | -13 | -53.15 | -68.61 | 3.27 | 7.88 | Н | | | | |
| | 1672 | -68.30 | -13 | -55.30 | -69.51 | 2.32 | 5.68 | V | | | | |
| | 2510 | -67.26 | -13 | -54.26 | -67.89 | 3.02 | 5.80 | V | | | | |
| | 3348 | -66.18 | -13 | -53.18 | -68.64 | 3.27 | 7.88 | V | | | | |

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

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