

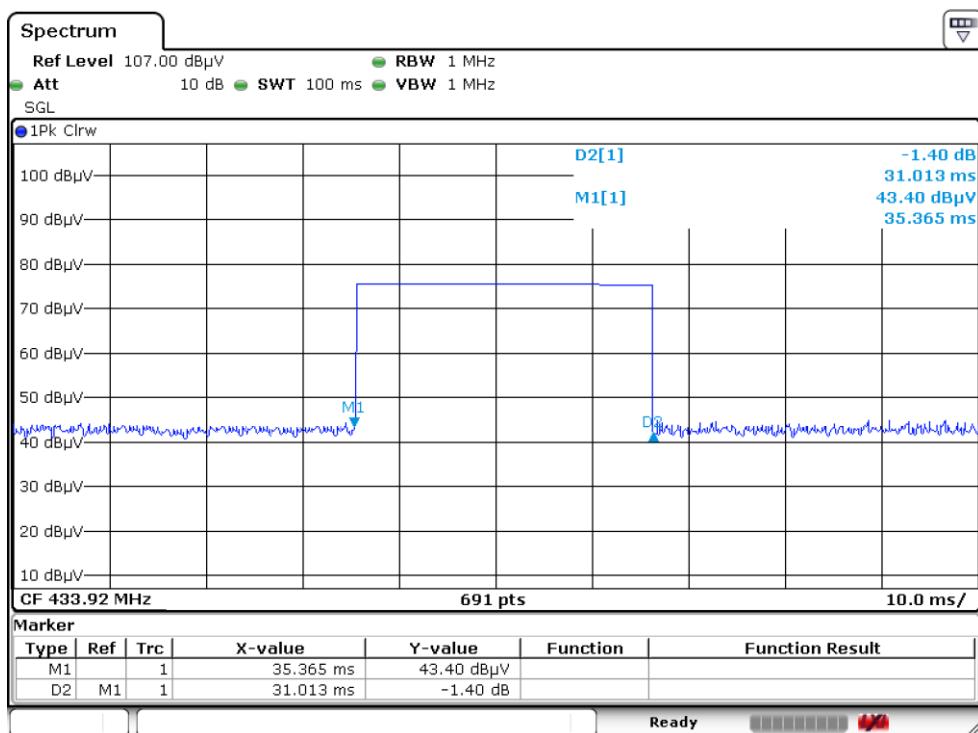
Appendix A for KSCR220500078801

1 Spurious Emissions

1.1 Field Strength of the Fundamental Signal

| Test channel | Freq. (MHz) | Result Level (dB μ V/m) | Limit Line (dB μ V/m) | Over Limit (dB) | Detector | Polarization |
|--------------|-------------|-----------------------------|---------------------------|-----------------|----------|--------------|
| Channel 1 | 433.92 | 75.87 | 100.83 | -24.96 | Peak | Vertical |
| | | 78.69 | 100.83 | -22.14 | Peak | Horizontal |
| | | 65.70 | 80.83 | -15.13 | AVG | Vertical |
| | | 68.52 | 80.83 | -12.31 | AVG | Horizontal |

433.92MHz



Remark:

1. If the Peak value below the AV Limit, the AV test doesn't perform for this submission.
2. Average level=Peak level-Duty Cycle Factor
3. Duty Cycle Factor= $20\log(\text{Duty Cycle}) = -10.17\text{dB}$

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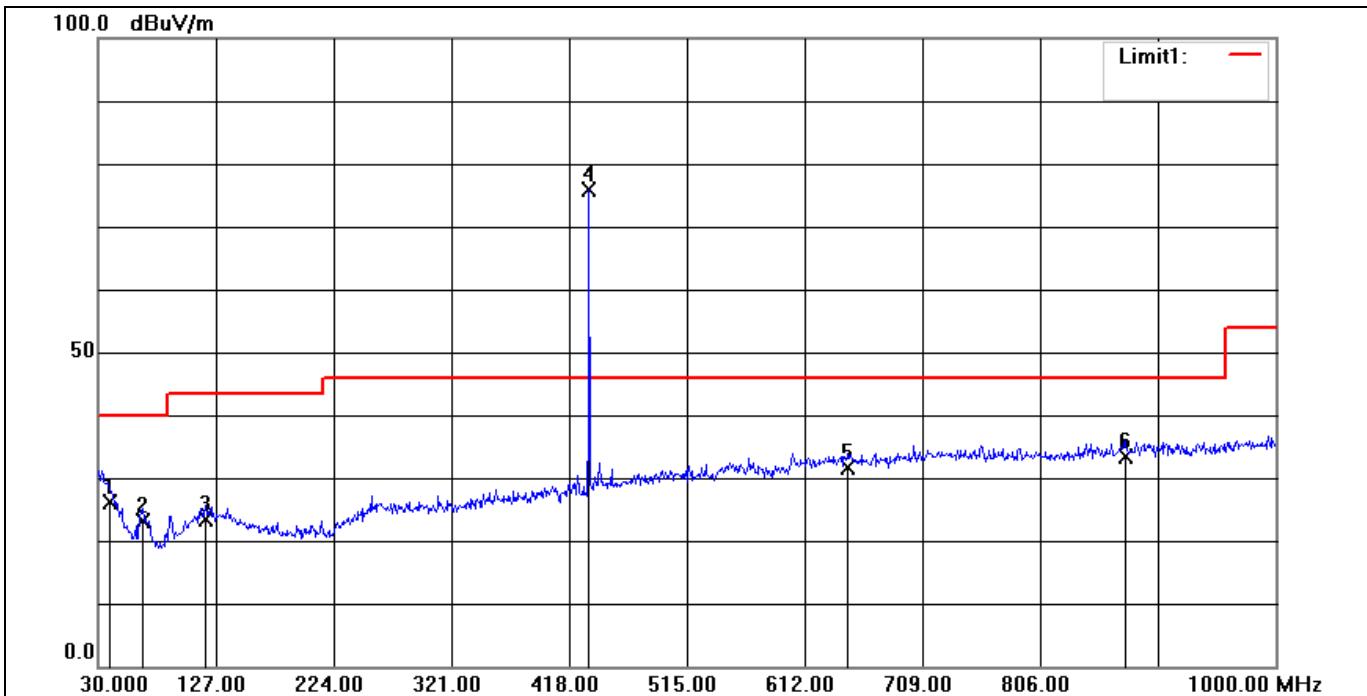
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1.2 Spurious Emissions

Below 1GHz

433.92MHz

Vertical:



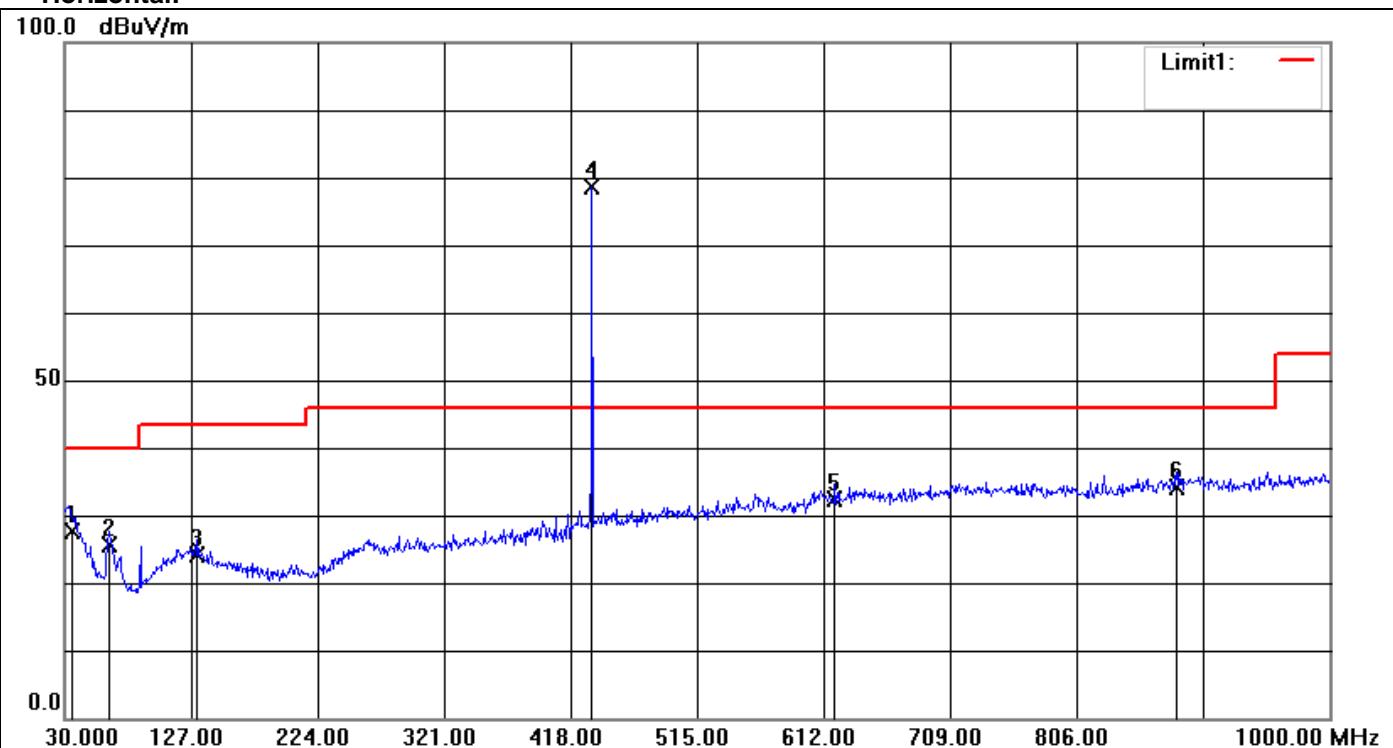
| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|-------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 39.7000 | 3.75 | 22.41 | 26.16 | 40.00 | -13.84 | QP |
| 2 | 66.8600 | 7.75 | 15.30 | 23.05 | 40.00 | -16.95 | QP |
| 3 | 118.2700 | 4.20 | 19.29 | 23.49 | 43.50 | -20.01 | QP |
| 4 | 434.4900 | 51.88 | 23.99 | 75.87 | 100.83 | -24.96 | peak |
| 5 | 647.8900 | 3.82 | 27.76 | 31.58 | 46.00 | -14.42 | QP |
| 6 | 875.8400 | 31.17 | 2.30 | 33.47 | 46.00 | -12.53 | QP |

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Horizontal:



| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|--------------------|-------------------|-------------------------|--------------------|-------------------|----------------|--------|
| 1 | 35.8200 | 3.44 | 24.19 | 27.63 | 40.00 | -12.37 | QP |
| 2 | 63.9500 | 10.76 | 14.78 | 25.54 | 40.00 | -14.46 | QP |
| 3 | 131.8500 | 4.81 | 19.30 | 24.11 | 43.50 | -19.39 | QP |
| 4 | 434.4900 | 54.70 | 23.99 | 78.69 | 100.83 | -22.14 | peak |
| 5 | 620.7300 | 5.12 | 27.25 | 32.37 | 46.00 | -13.63 | QP |
| 6 | 882.6300 | 31.81 | 2.34 | 34.15 | 46.00 | -11.85 | QP |

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Above 1GHz

433.92MHz

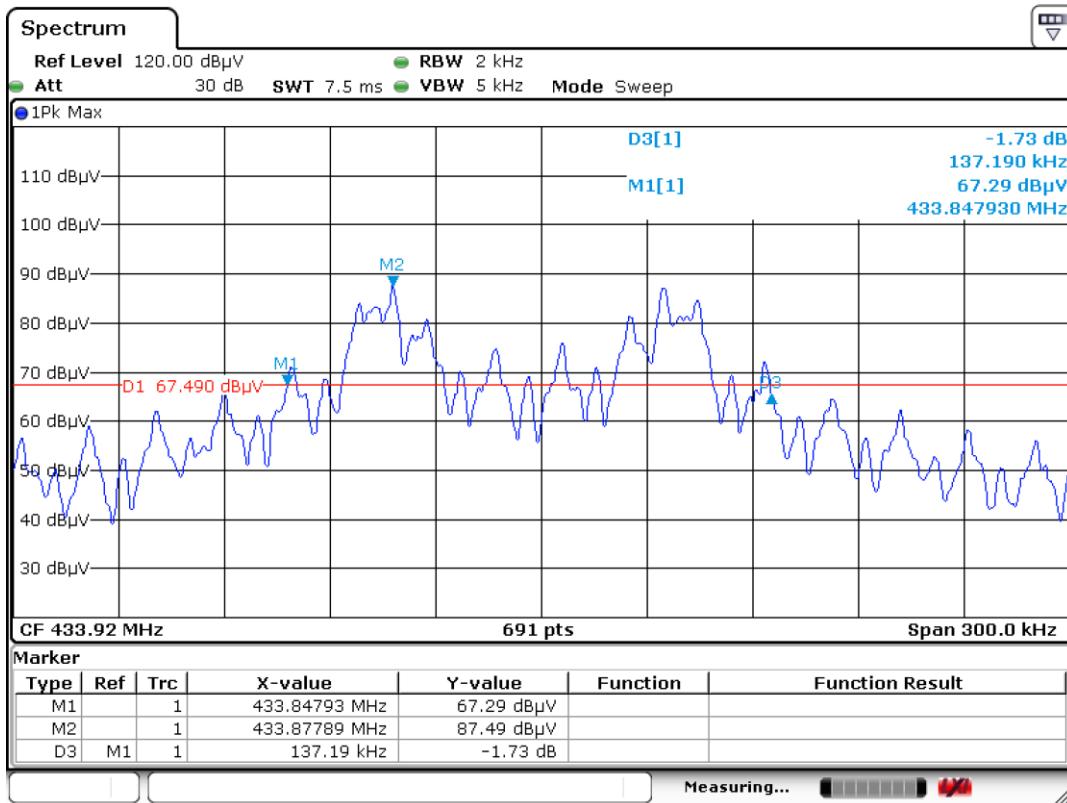
| Mark | Frequency (MHz) | Reading (dB μ V) | Factor (dB) | Emission (dB μ V/m) | Limit (dB μ V/m) | Over Limit (dB) | Detector | Polarization |
|------|-----------------|----------------------|-------------|-------------------------|----------------------|-----------------|----------|--------------|
| 1 | 2292.00 | 56.30 | -14.92 | 41.38 | 54.00 | -12.62 | peak | Vertical |
| 2 | 3520.00 | 56.80 | -12.74 | 44.06 | 54.00 | -9.94 | peak | Vertical |
| 3 | 4332.00 | 57.53 | -10.90 | 46.63 | 54.00 | -7.37 | peak | Vertical |
| 4 | 1860.00 | 55.21 | -17.39 | 37.82 | 54.00 | -16.18 | peak | Horizontal |
| 5 | 3468.00 | 57.72 | -12.95 | 44.77 | 54.00 | -9.23 | peak | Horizontal |
| 6 | 4012.00 | 58.72 | -12.00 | 46.72 | 54.00 | -7.28 | peak | Horizontal |

2 20dB Bandwidth

Measurement Data:

| Frequency (MHz) | 20dB bandwidth (kHz) | Limit (kHz) | Results |
|-----------------|----------------------|-------------|---------|
| 433.92 | 137.19 | 1084.8 | Pass |

Test plot as follows:



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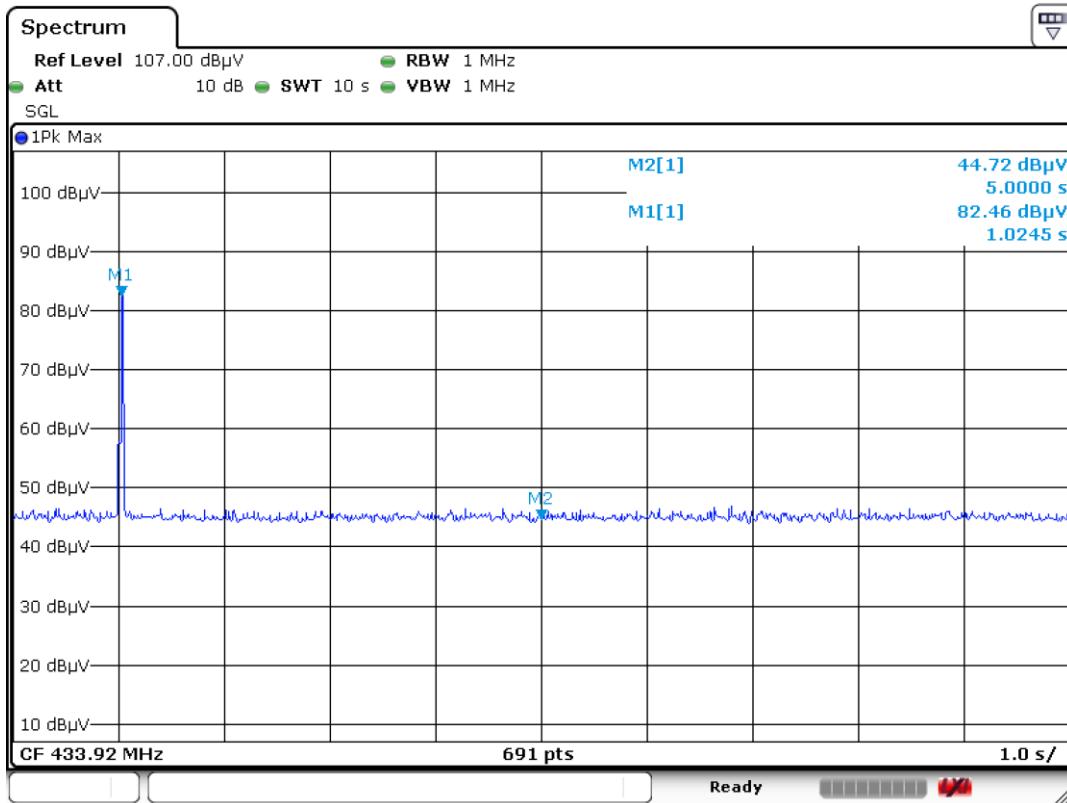


3 Dwell Time

Measurement Data:

| Test item | Limit (s) | Results |
|-----------------------|-----------|---------|
| Transmission Duration | ≤5s | Pass |

Test plot as follows:



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