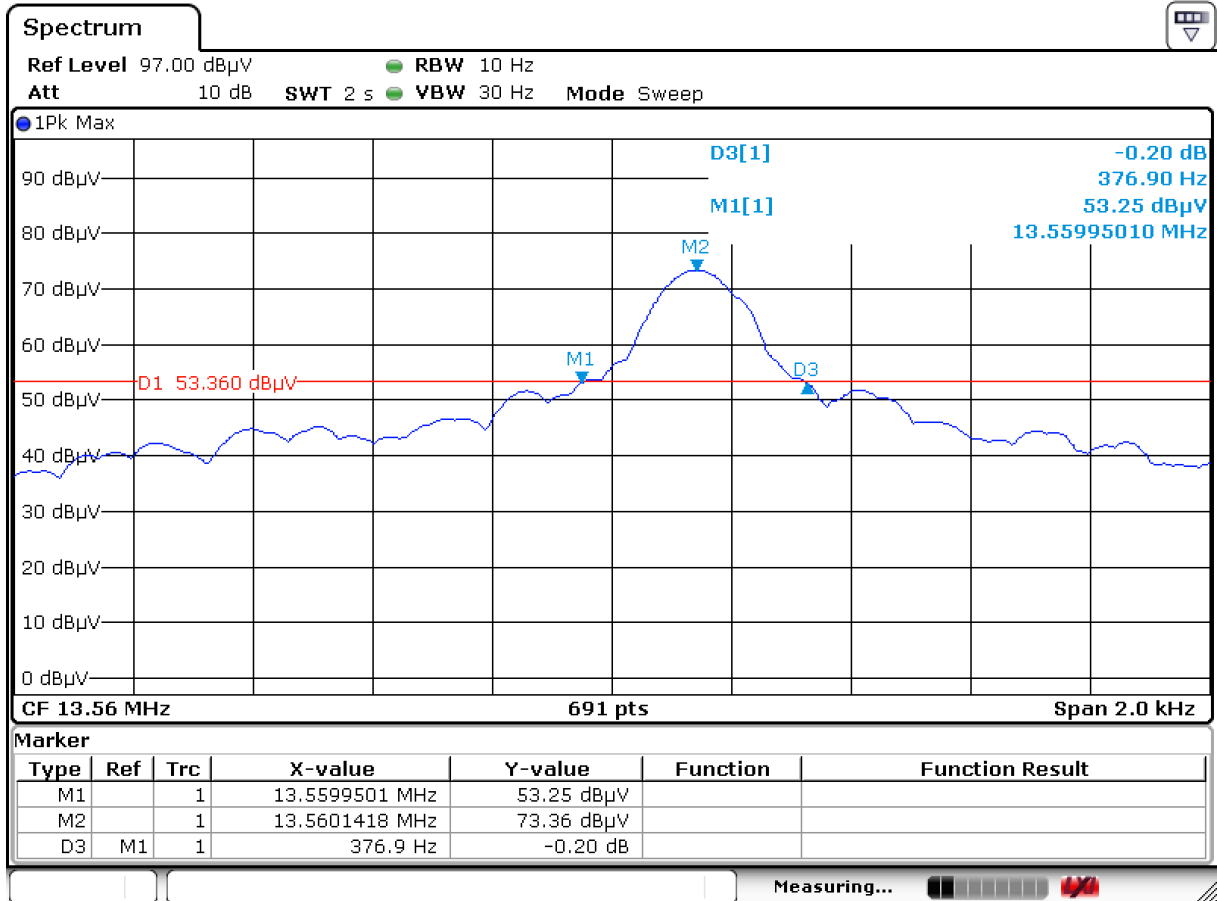


Appendix A for KSCR220500069201

1. 20dB Bandwidth

| 20dB bandwidth (kHz) | F _L (MHz) | F _H (MHz) | Limit(MHz) | Result |
|----------------------|----------------------|----------------------|-----------------|--------|
| 0.3769 | 13.5600 | 13.5603 | 13.110 – 14.010 | Pass |

Test plot as follows:

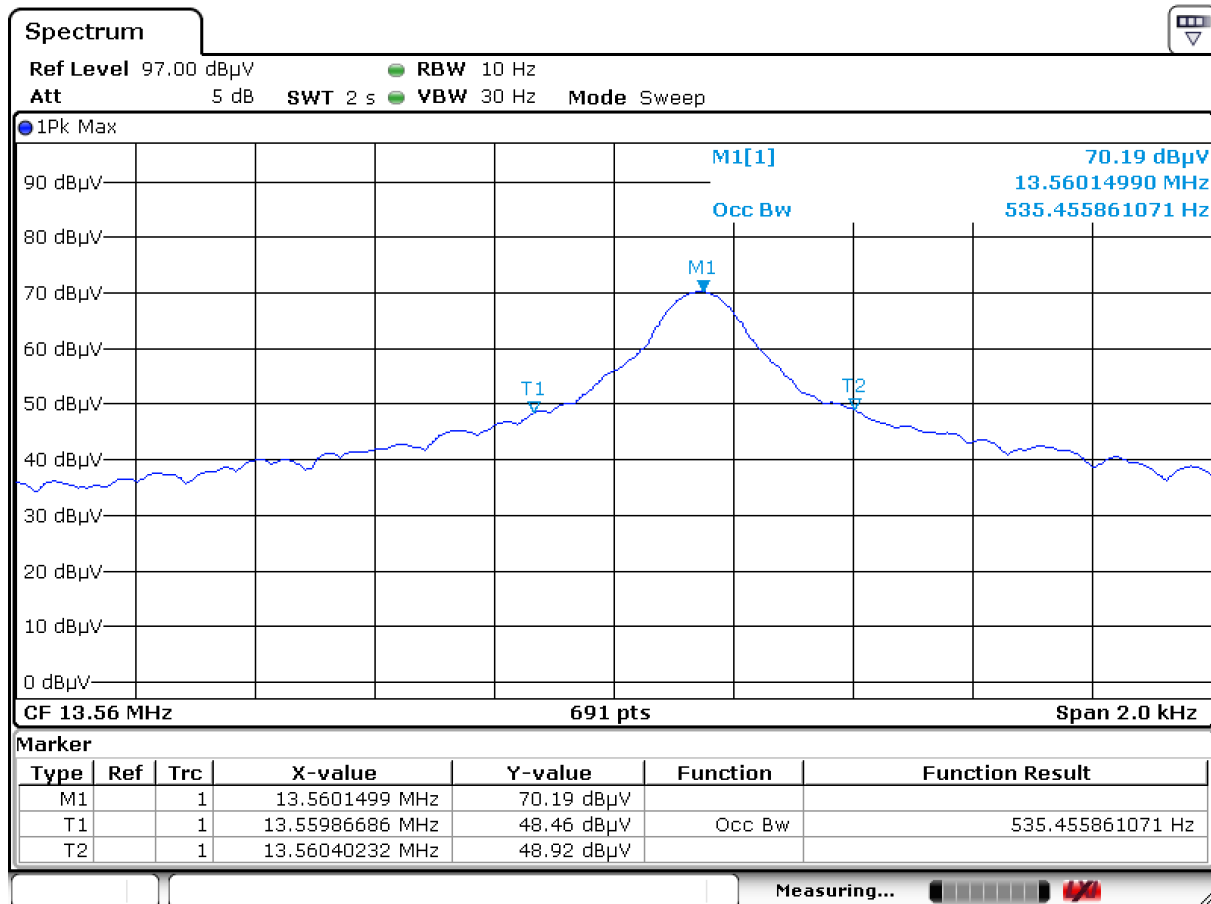


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2. 99% Bandwidth

| 99% bandwidth (kHz) | F _L (MHz) | F _H (MHz) | Limit(MHz) | Result |
|---------------------|----------------------|----------------------|-----------------|--------|
| 0.5355 | 13.5600 | 13.5604 | 13.110 – 14.010 | Pass |

Test plot as follows:



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3. Frequency tolerance

Nominal Operation Frequency: 13.56MHz

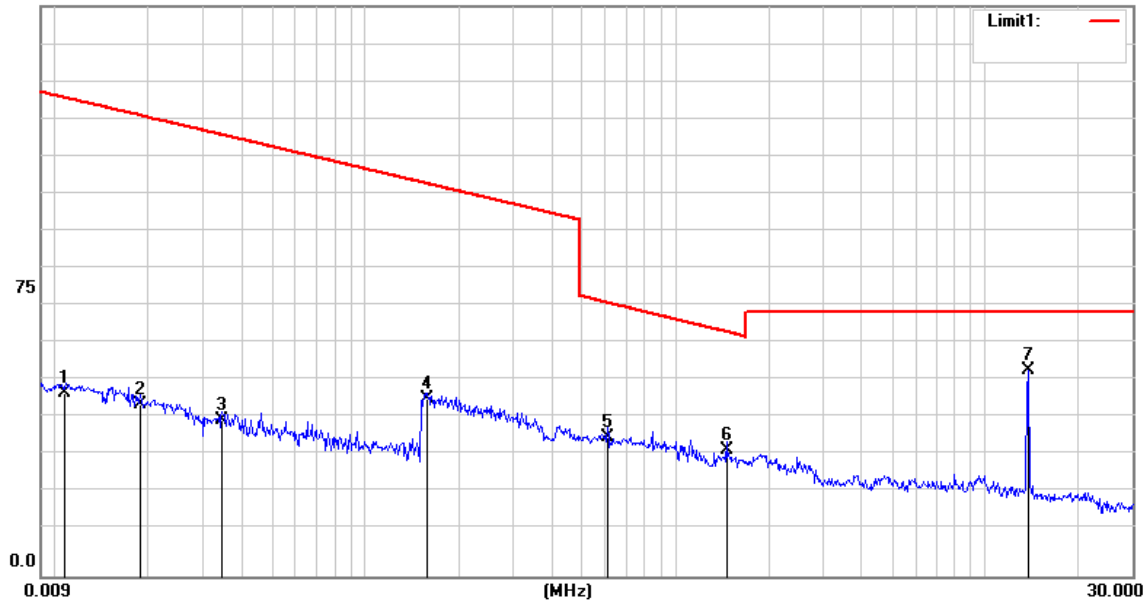
| Test Conditions | | Test Result (MHz) | Deviation (kHz) | Limit (kHz) | Result |
|------------------------|------------------------|-------------------|-----------------|-----------------------|--------|
| Temp (°C) | Volt (V AC) | | | | |
| T _{nom} (-20) | V _{nom} (120) | 13.55991 | -0.09 | ±0.01% (1.3560kHz) | Pass |
| T _{nom} (-10) | V _{nom} (120) | 13.55984 | -0.16 | | Pass |
| T _{nom} (0) | V _{nom} (120) | 13.55997 | -0.03 | | Pass |
| T _{nom} (10) | V _{nom} (120) | 13.56012 | 0.12 | | Pass |
| T _{nom} (20) | V _{nom} (120) | 13.56006 | 0.06 | | Pass |
| T _{nom} (30) | V _{nom} (120) | 13.56015 | 0.15 | | Pass |
| T _{nom} (40) | V _{nom} (120) | 13.56022 | 0.22 | | Pass |
| T _{nom} (50) | V _{nom} (120) | 13.56005 | 0.05 | | Pass |
| T _{nom} (20) | V _{min} (102) | 13.56013 | 0.13 | | Pass |
| | V _{max} (138) | 13.56010 | 0.10 | | Pass |

Note: Deviation (kHz) = (Test Result-13.56MHz)*1000

4. Radiated Emissions(9kHz-30MHz)

Horizontal

150.0 dBuV/m

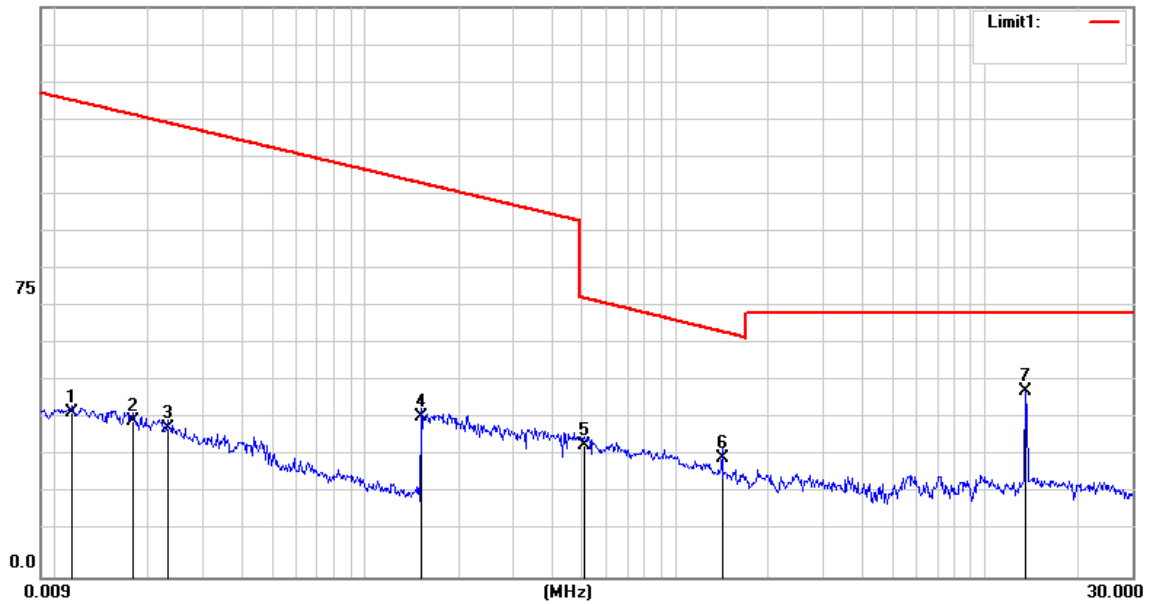


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| Item | Freq. | Read Level | Correct Factor | Result Level@3m | Result Level@S PEC | Limit Line@SP EC | Over Limit | Detector |
|--------|---------|------------|----------------|-----------------|--------------------|------------------|------------|----------|
| (Mark) | (MHz) | (dBμV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 0.0108 | 32.37 | 15.99 | 48.36 | -31.64 | 47.50 | -79.14 | QP |
| 2 | 0.0188 | 29.32 | 15.90 | 45.22 | -34.78 | 36.65 | -71.43 | QP |
| 3 | 0.0345 | 25.33 | 15.73 | 41.06 | -38.94 | 22.83 | -61.77 | QP |
| 4 | 0.1590 | 32.18 | 14.45 | 46.63 | -33.37 | 13.82 | -47.19 | QP |
| 5 | 0.6040 | 22.19 | 14.40 | 36.59 | -3.41 | 29.74 | -33.15 | QP |
| 6 | 1.4560 | 18.86 | 14.32 | 33.18 | -6.82 | 29.50 | -36.32 | QP |
| 7 | 13.8411 | 41.02 | 13.06 | 54.08 | 14.08 | 29.50 | -15.42 | Peak |

Vertical

150.0 dBuV/m



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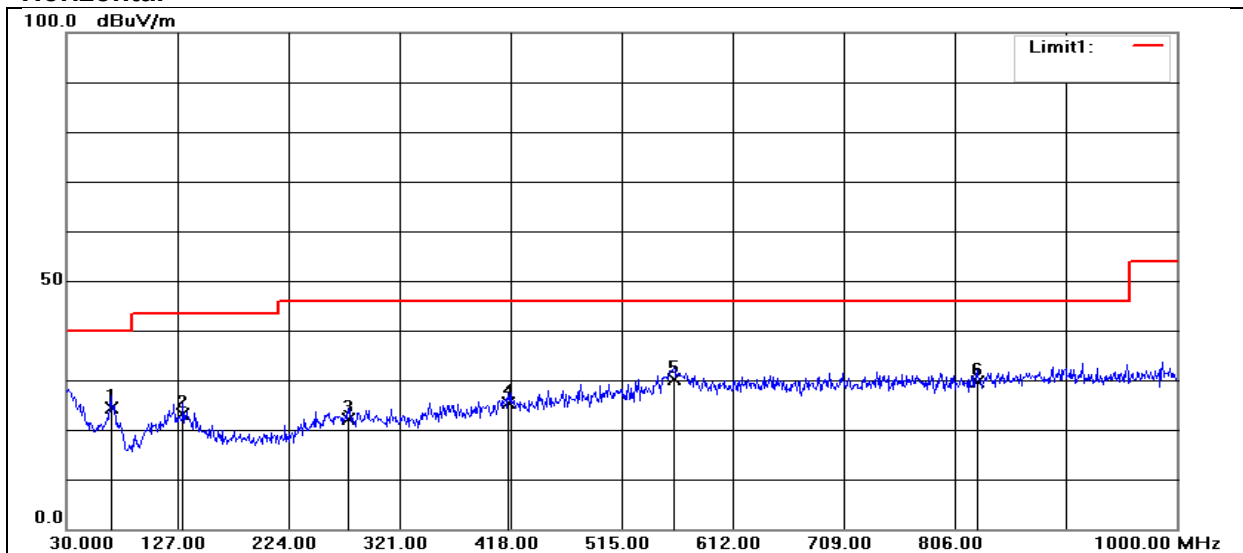
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| Item | Freq. | Read Level | Correct Factor | Result Level@3m | Result Level@SP EC | Limit Line@SP EC | Over Limit | Detector |
|--------|---------|------------|----------------|-----------------|--------------------|------------------|------------|----------|
| (Mark) | (MHz) | (dBμV) | (dB/m) | (dBuV/m) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 0.0114 | 27.21 | 15.98 | 43.19 | -36.81 | 47.50 | -84.31 | QP |
| 2 | 0.0177 | 25.31 | 15.91 | 41.22 | -38.78 | 36.65 | -75.43 | QP |
| 3 | 0.0230 | 23.41 | 15.86 | 39.27 | -40.73 | 22.83 | -63.56 | QP |
| 4 | 0.1500 | 27.61 | 14.45 | 42.06 | -37.94 | 13.82 | -51.76 | QP |
| 5 | 0.5100 | 20.17 | 14.41 | 34.58 | -5.42 | 29.74 | -35.16 | QP |
| 6 | 1.4107 | 16.90 | 14.32 | 31.22 | -8.78 | 29.50 | -38.28 | QP |
| 7 | 13.4793 | 35.70 | 13.10 | 48.80 | 8.80 | 29.50 | -20.70 | Peak |

5. Below 1GHz

Horizontal



| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------------|-----------------|----------------|-------------|--------|
| 1 | 68.8000 | 8.73 | 15.60 | 24.33 | 40.00 | -15.67 | QP |
| 2 | 131.8500 | 3.86 | 19.30 | 23.16 | 43.50 | -20.34 | QP |
| 3 | 276.3800 | 1.79 | 20.26 | 22.05 | 46.00 | -23.95 | QP |
| 4 | 416.0600 | 1.33 | 24.01 | 25.34 | 46.00 | -20.66 | QP |
| 5 | 560.5900 | 2.82 | 27.34 | 30.16 | 46.00 | -15.84 | QP |
| 6 | 825.4000 | 27.39 | 2.19 | 29.58 | 46.00 | -16.42 | QP |



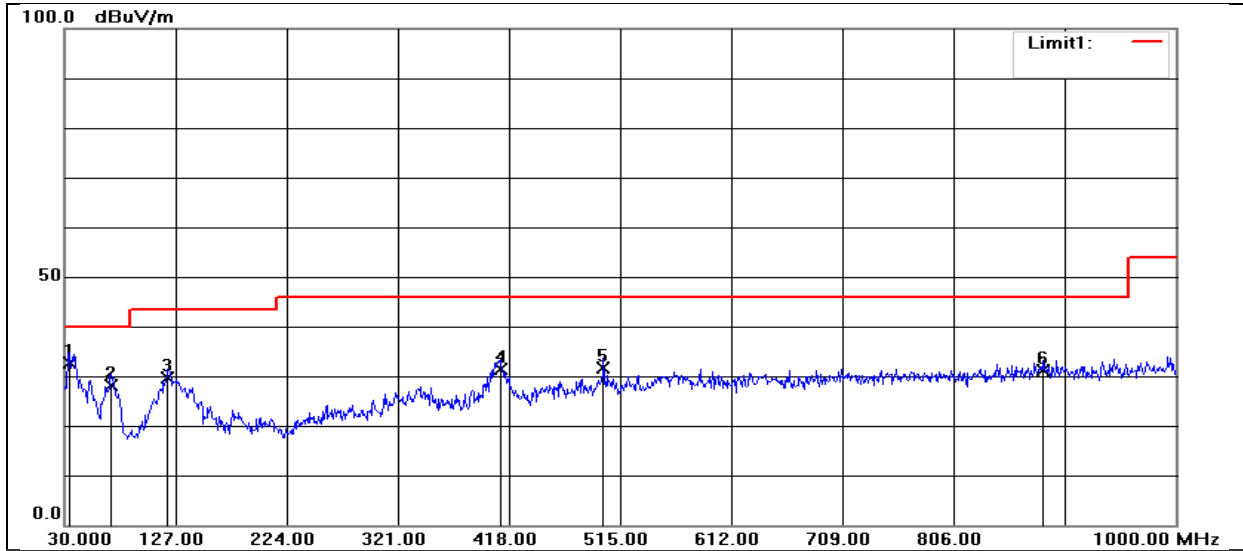
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Vertical



| No. | Frequency (MHz) | Reading (dBuV) | Correct Factor(dB/m) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Remark |
|-----|-----------------|----------------|----------------------|-----------------|----------------|-------------|--------|
| 1 | 33.8800 | 7.76 | 24.92 | 32.68 | 40.00 | -7.32 | QP |
| 2 | 70.7400 | 12.45 | 15.70 | 28.15 | 40.00 | -11.85 | QP |
| 3 | 120.2100 | 10.19 | 19.37 | 29.56 | 43.50 | -13.94 | QP |
| 4 | 410.2400 | 7.47 | 23.79 | 31.26 | 46.00 | -14.74 | QP |
| 5 | 500.4500 | 5.79 | 25.75 | 31.54 | 46.00 | -14.46 | QP |
| 6 | 884.5700 | 28.82 | 2.35 | 31.17 | 46.00 | -14.83 | QP |



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