

Test Report No.50097691 001

Appendix D: Radiated and Mains Spurious Emission Data

(File: 50097691AppendixD)

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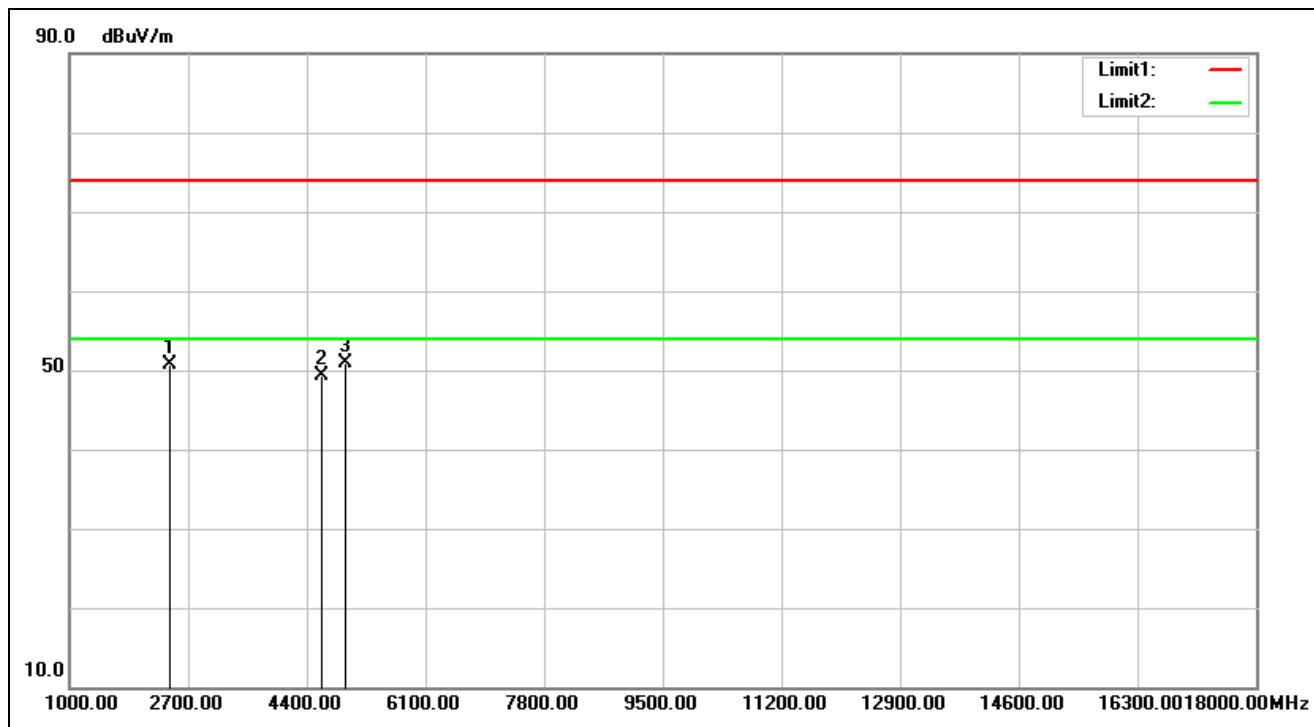
Spurious Emissions, TX Mode, 1-18G



TUV Rheinland Taiwan Ltd.

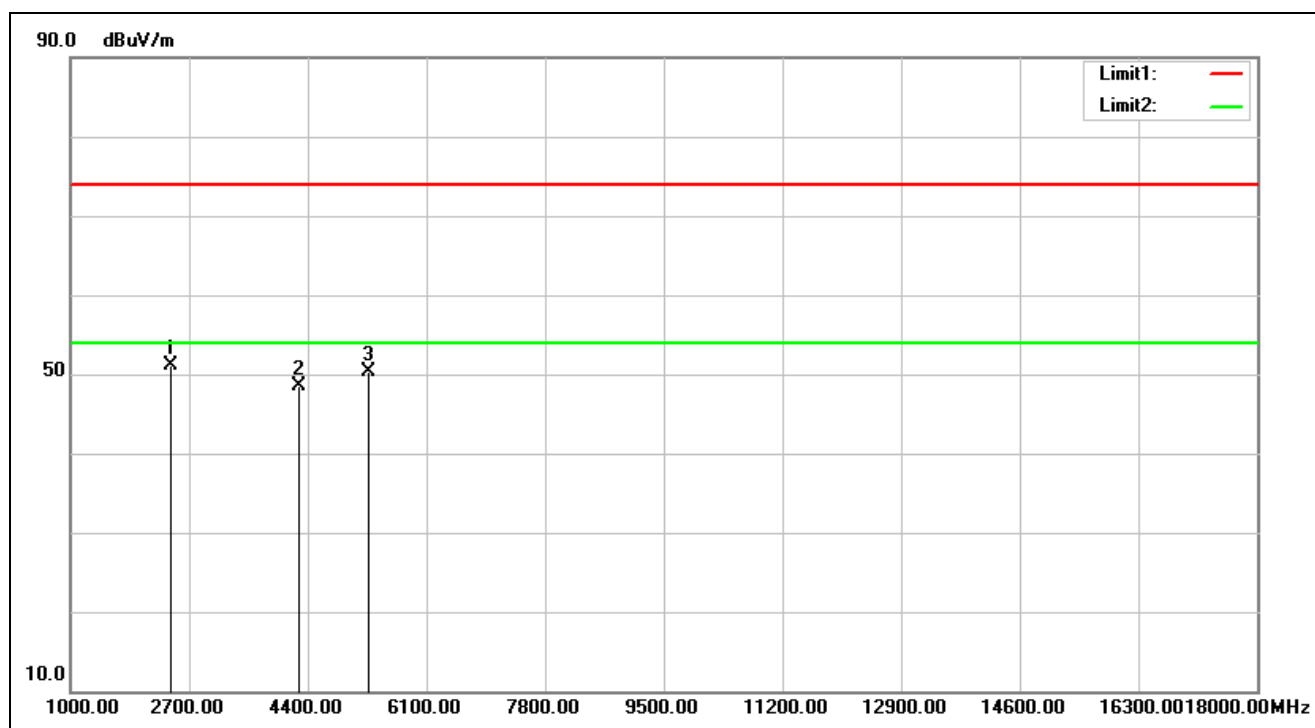
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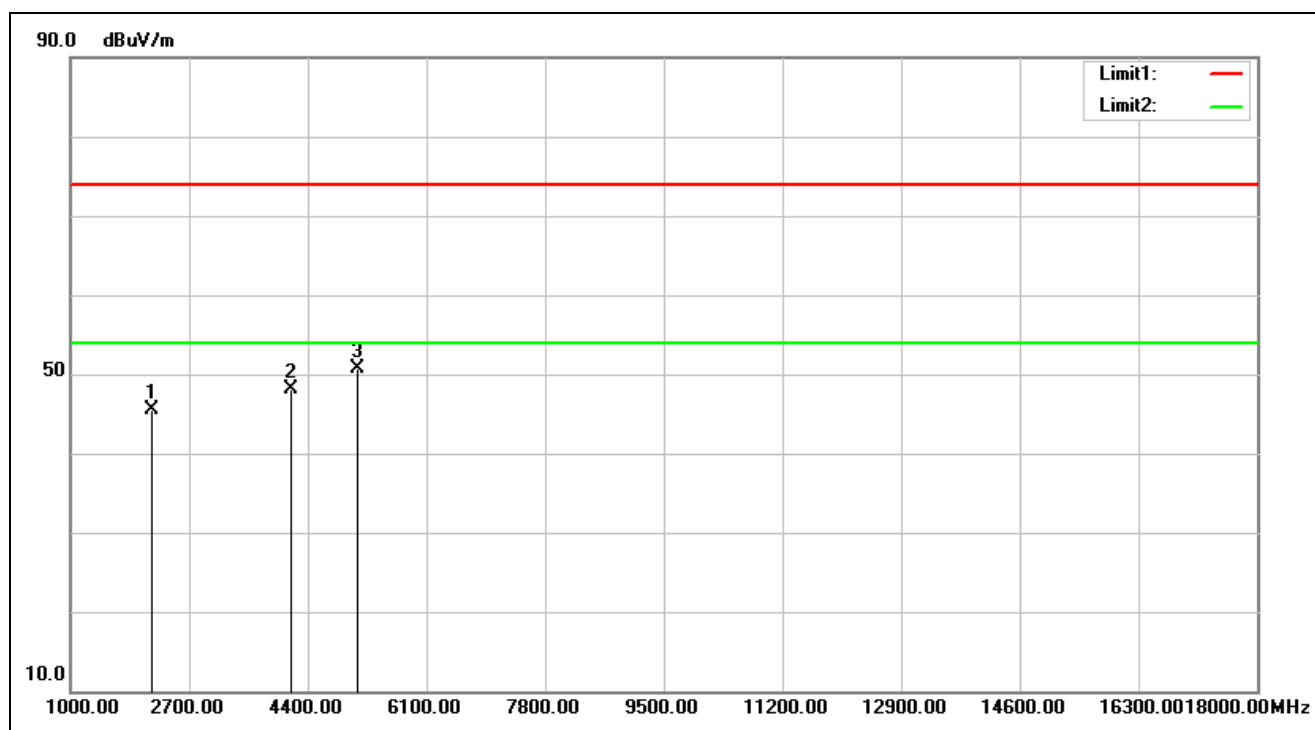
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|-----------------------|----------------------------|---------------------------|---------------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Horizontal |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 10:54:40 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-60.16-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|---------------|--------|
| 1 | 2428.000 | -5.85 | 56.62 | 50.77 | 74.00 | -23.23 | peak | 100 | 359 | |
| 2 | 4621.000 | -0.71 | 50.05 | 49.34 | 74.00 | -24.66 | peak | 100 | 74 | |
| 3 | 4961.000 | -0.09 | 51.04 | 50.95 | 74.00 | -23.05 | peak | 100 | 354 | |



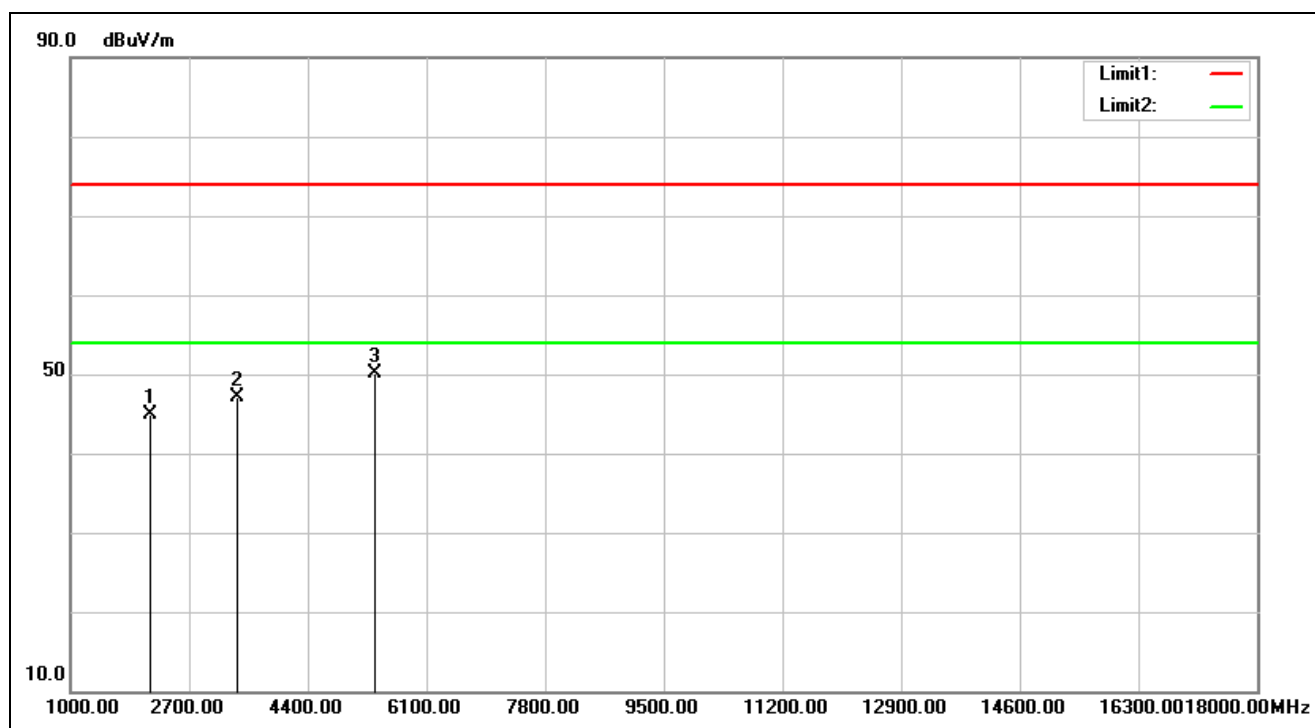
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|-----------------------|----------------------------|---------------------------|---------------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Vertical |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 10:55:43 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-60.16-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 2428.000 | -5.85 | 56.90 | 51.05 | 74.00 | -22.95 | peak | 100 | 106 | |
| 2 | 4264.000 | -1.92 | 50.42 | 48.50 | 74.00 | -25.50 | peak | 100 | 200 | |
| 3 | 5267.000 | 1.31 | 48.94 | 50.25 | 74.00 | -23.75 | peak | 100 | 314 | |



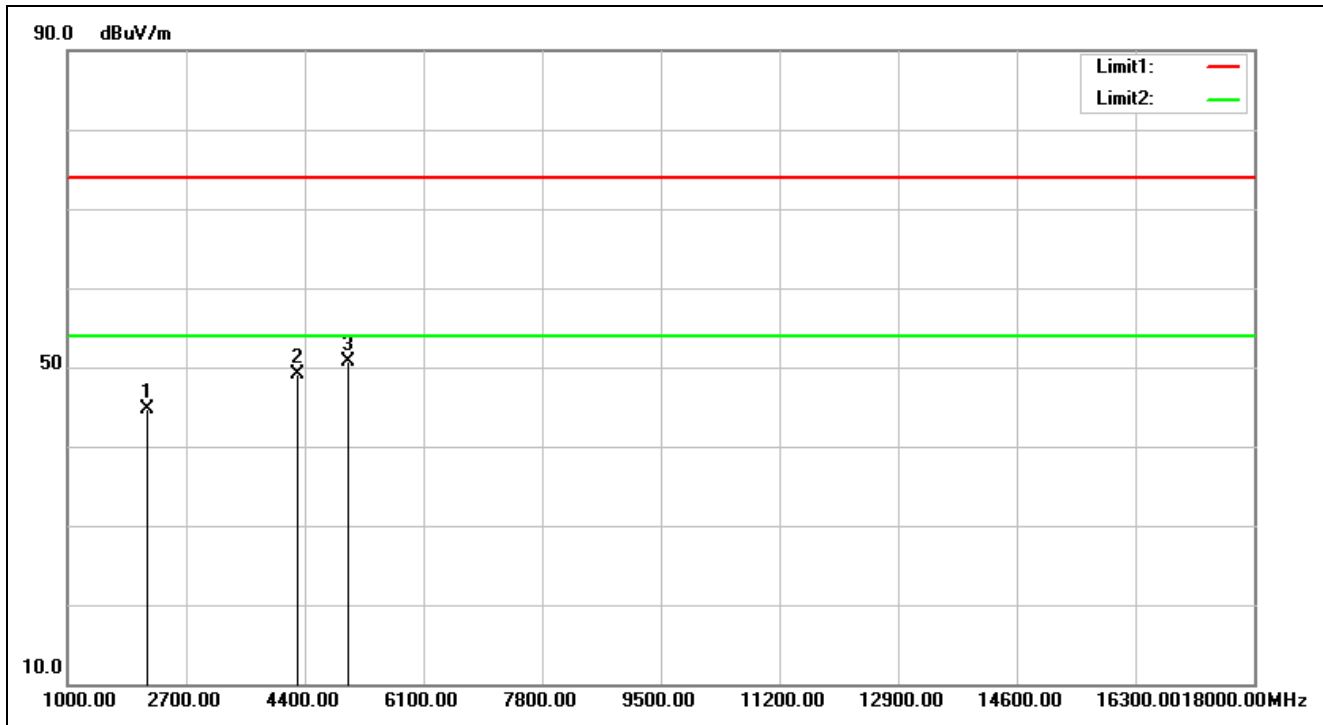
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|----------------|---------------------|--------------------|--------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Horizontal |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 10:57:11 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-60.48-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 2156.000 | -5.96 | 51.42 | 45.46 | 74.00 | -28.54 | peak | 100 | 304 | |
| 2 | 4162.000 | -2.35 | 50.55 | 48.20 | 74.00 | -25.80 | peak | 100 | 49 | |
| 3 | 5114.000 | 0.56 | 50.10 | 50.66 | 74.00 | -23.34 | peak | 100 | 138 | |



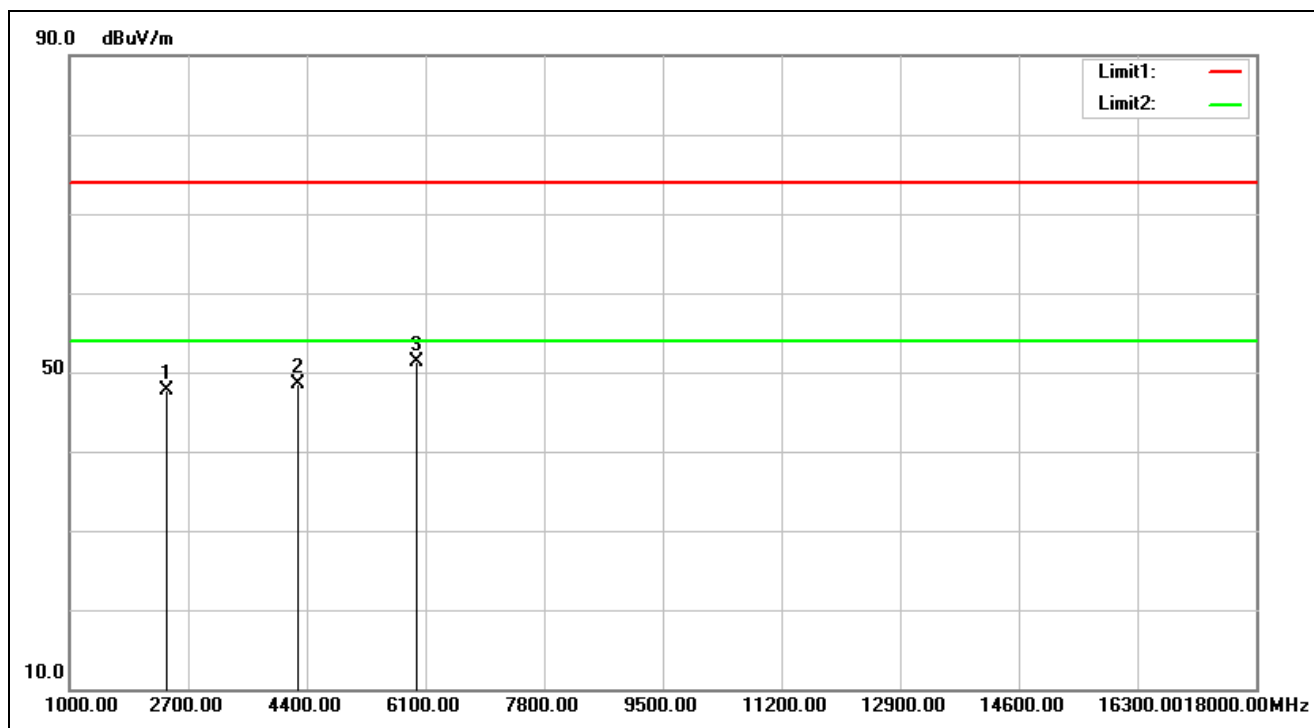
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|-----------------------|----------------------------|---------------------------|---------------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Vertical |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 10:58:13 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-60.48-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|------------------|--------|
| 1 | 2139.000 | -5.96 | 50.79 | 44.83 | 74.00 | -29.17 | peak | 100 | 355 | |
| 2 | 3380.000 | -4.29 | 51.34 | 47.05 | 74.00 | -26.95 | peak | 100 | 192 | |
| 3 | 5369.000 | 1.82 | 48.38 | 50.20 | 74.00 | -23.80 | peak | 100 | 28 | |



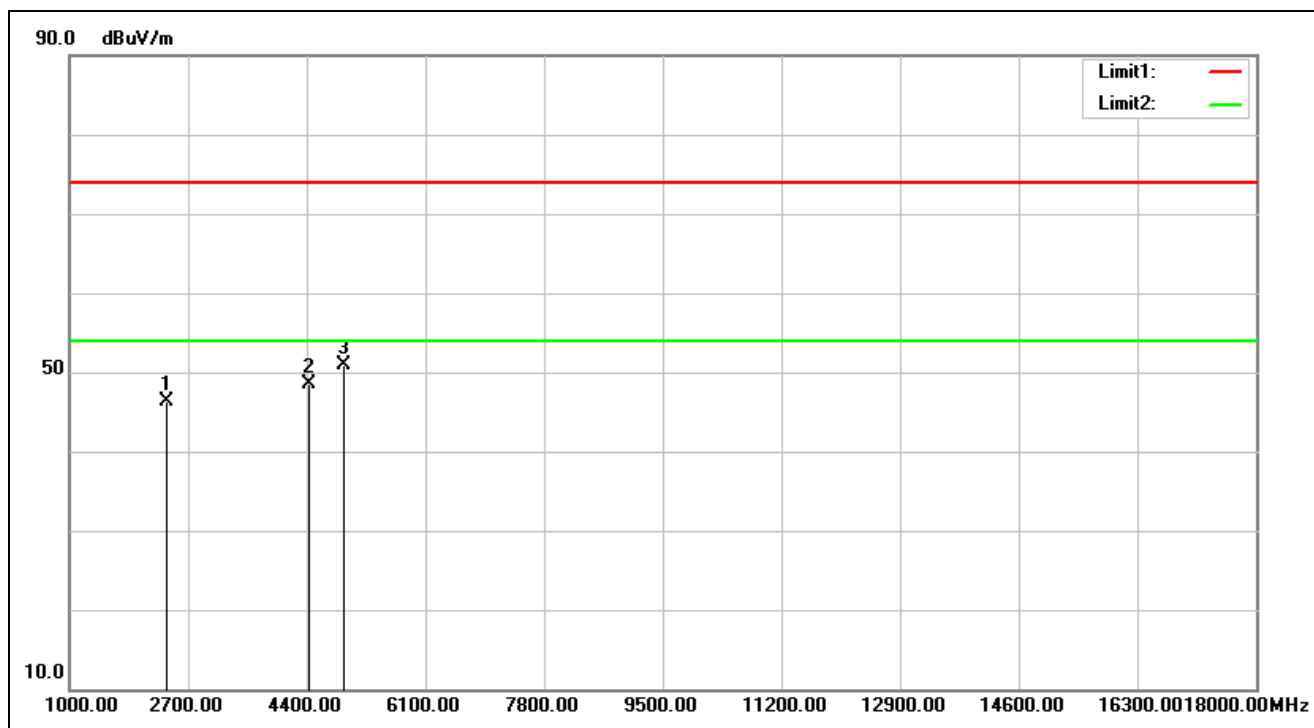
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|----------------|---------------------|--------------------|--------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Horizontal |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 11:01:23 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%) | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-60.80-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 2139.000 | -5.96 | 50.62 | 44.66 | 74.00 | -29.34 | peak | 100 | 111 | |
| 2 | 4298.000 | -1.78 | 50.90 | 49.12 | 74.00 | -24.88 | peak | 100 | 144 | |
| 3 | 5029.000 | 0.13 | 50.67 | 50.80 | 74.00 | -23.20 | peak | 100 | 302 | |



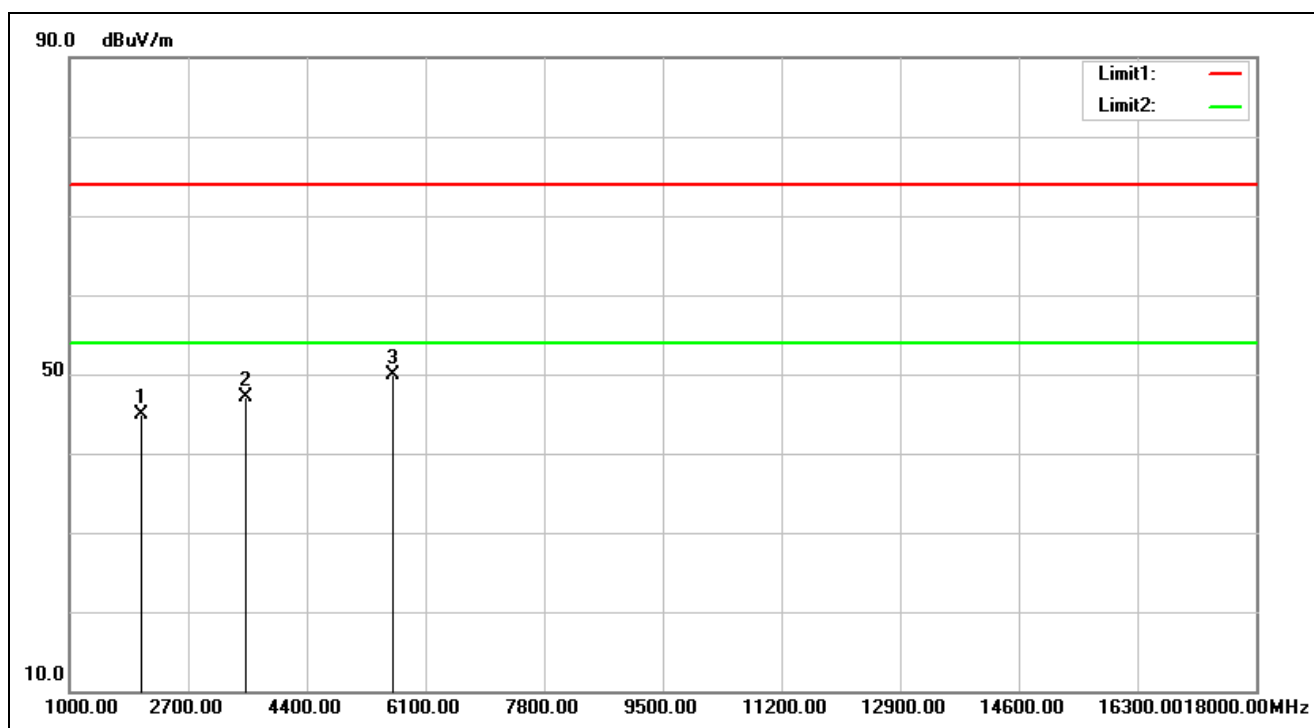
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|----------------|---------------------|--------------------|--------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Vertical |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 11:02:26 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-60.80-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 2394.000 | -5.87 | 53.52 | 47.65 | 74.00 | -26.35 | peak | 100 | 308 | |
| 2 | 4264.000 | -1.92 | 50.38 | 48.46 | 74.00 | -25.54 | peak | 100 | 117 | |
| 3 | 5964.000 | 5.64 | 45.61 | 51.25 | 74.00 | -22.75 | peak | 100 | 327 | |



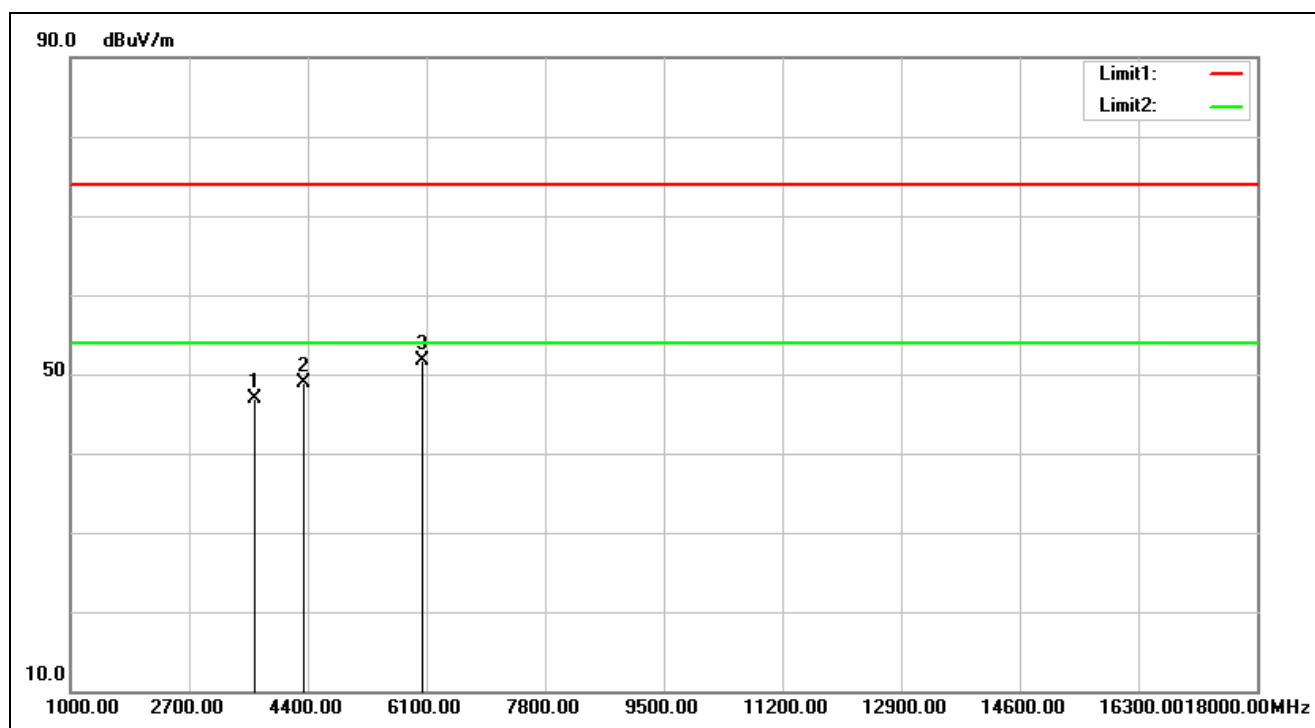
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|-----------------------|----------------------------|---------------------------|---------------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Horizontal |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 11:07:58 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-62.32-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 2394.000 | -5.87 | 52.25 | 46.38 | 74.00 | -27.62 | peak | 100 | 16 | |
| 2 | 4434.000 | -1.21 | 49.76 | 48.55 | 74.00 | -25.45 | peak | 100 | 304 | |
| 3 | 4927.000 | -0.15 | 50.96 | 50.81 | 74.00 | -23.19 | peak | 100 | 152 | |



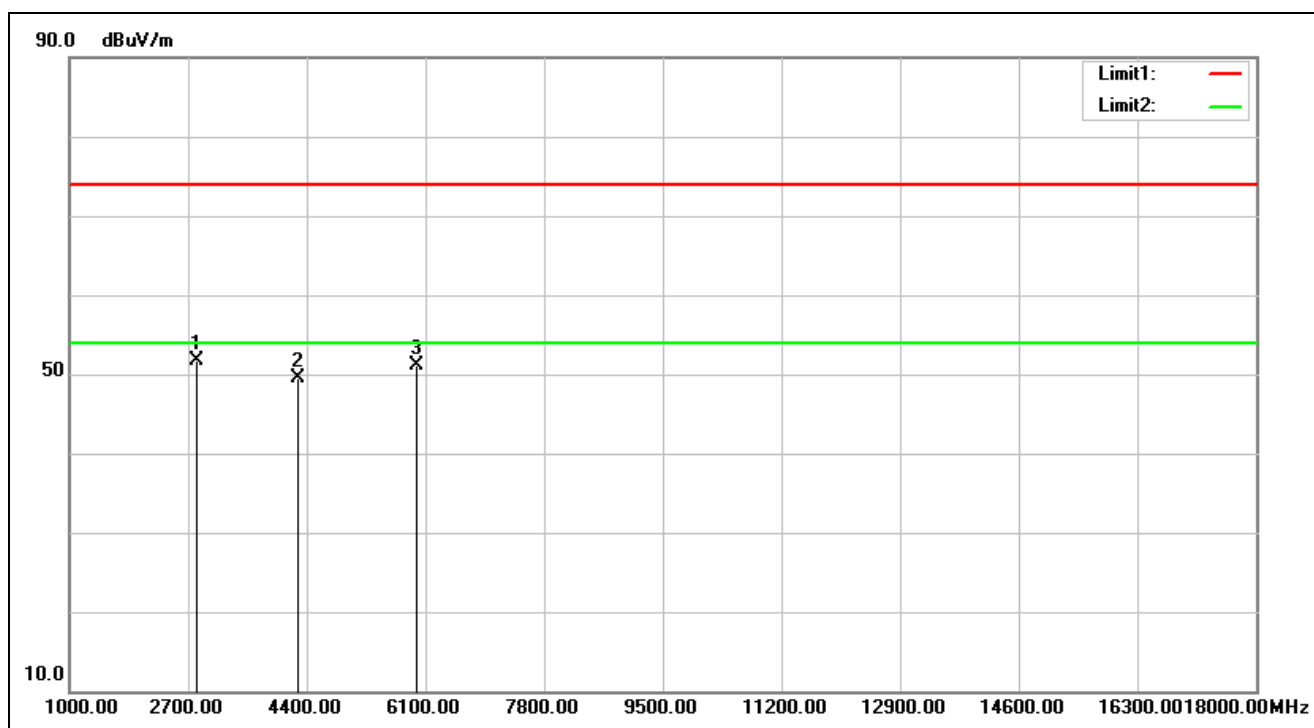
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|----------------|---------------------|--------------------|--------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Vertical |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 11:09:01 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%) | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-62.32-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 2020.000 | -6.01 | 50.91 | 44.90 | 74.00 | -29.10 | peak | 100 | 316 | |
| 2 | 3516.000 | -4.13 | 51.22 | 47.09 | 74.00 | -26.91 | peak | 100 | 291 | |
| 3 | 5624.000 | 3.32 | 46.51 | 49.83 | 74.00 | -24.17 | peak | 100 | 175 | |



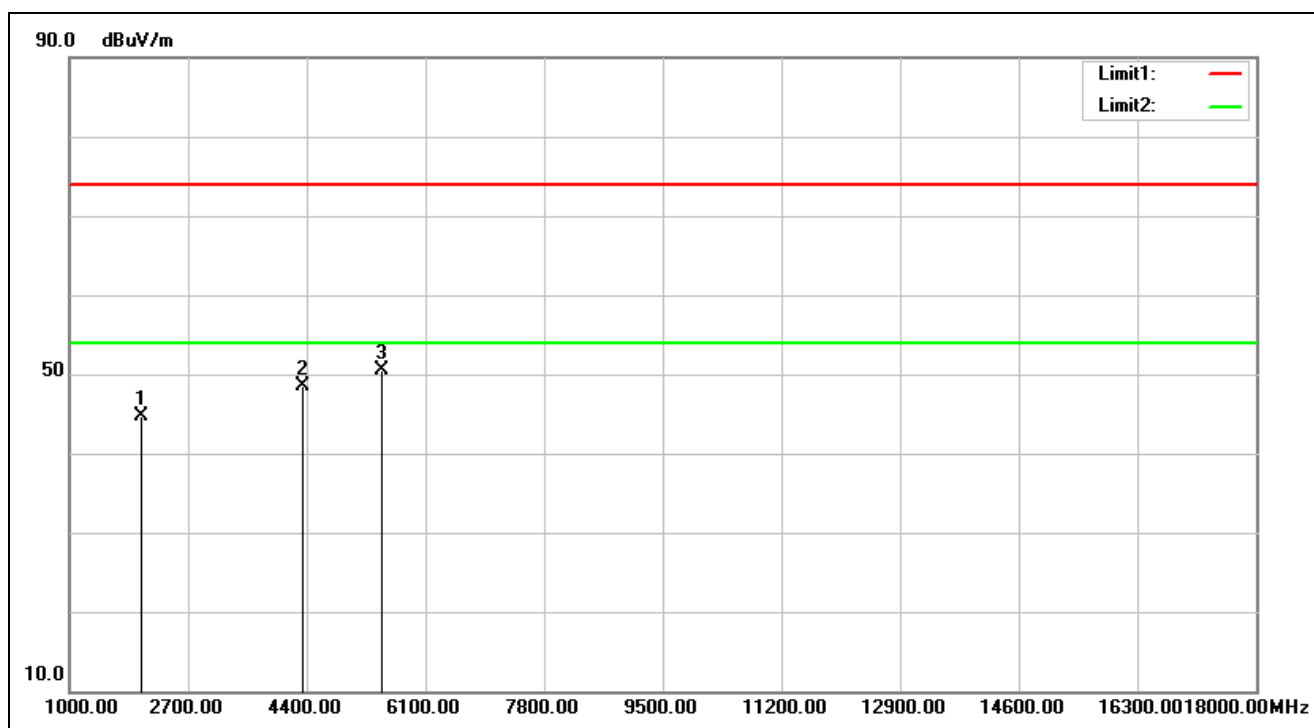
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|-----------------------|----------------------------|---------------------------|---------------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Horizontal |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 11:11:52 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-62.64-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 3635.000 | -3.86 | 50.72 | 46.86 | 74.00 | -27.14 | peak | 100 | 260 | |
| 2 | 4349.000 | -1.57 | 50.52 | 48.95 | 74.00 | -25.05 | peak | 100 | 215 | |
| 3 | 6049.000 | 6.08 | 45.57 | 51.65 | 74.00 | -22.35 | peak | 100 | 235 | |



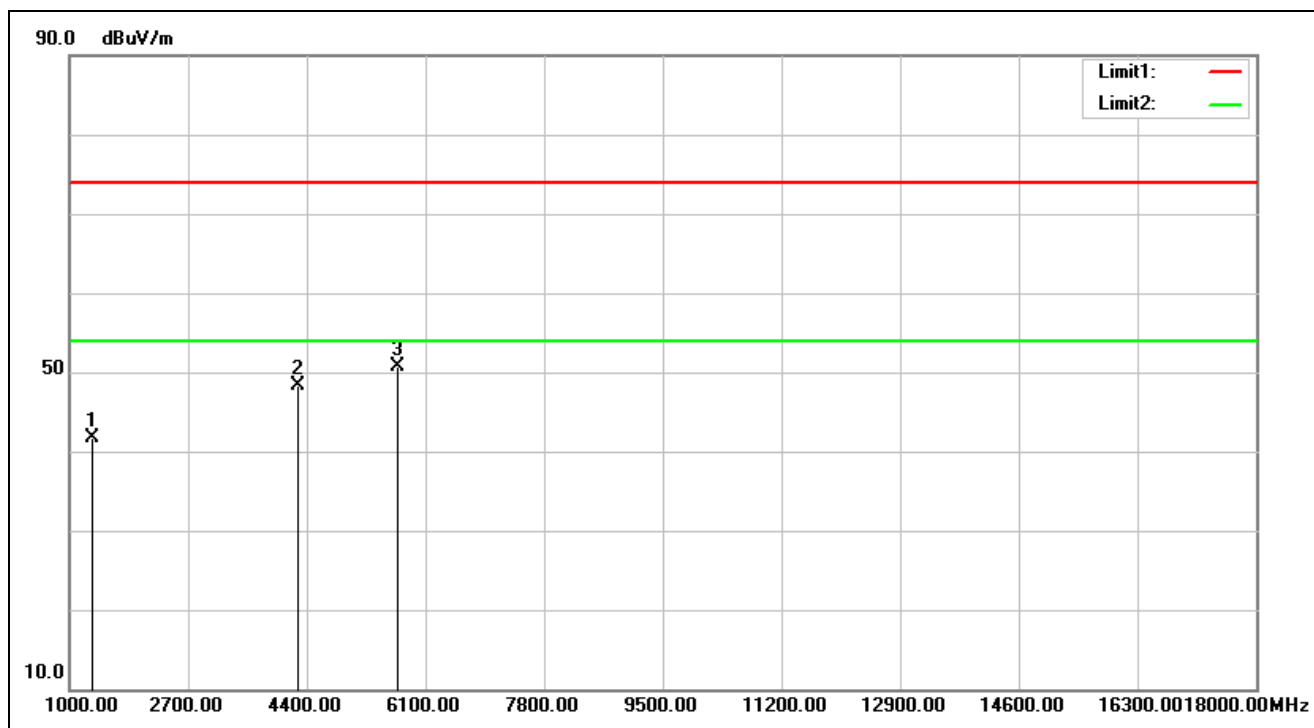
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|-----------------------|----------------------------|---------------------------|---------------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Vertical |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 11:12:55 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-62.64-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 2819.000 | -5.09 | 56.85 | 51.76 | 74.00 | -22.24 | peak | 100 | 215 | |
| 2 | 4264.000 | -1.92 | 51.38 | 49.46 | 74.00 | -24.54 | peak | 100 | 271 | |
| 3 | 5964.000 | 5.64 | 45.54 | 51.18 | 74.00 | -22.82 | peak | 100 | 300 | |



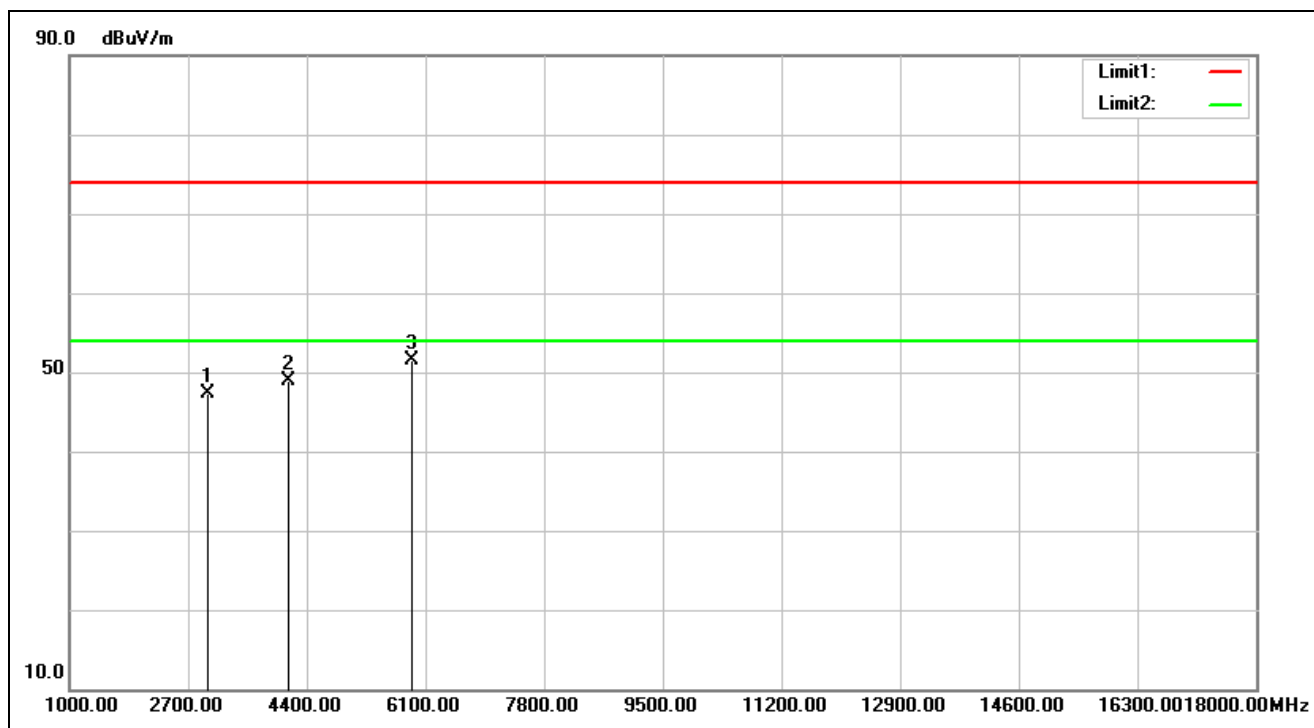
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|-----------------------|----------------------------|---------------------------|---------------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Horizontal |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 11:15:12 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-62.96-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 2020.000 | -6.01 | 50.79 | 44.78 | 74.00 | -29.22 | peak | 100 | 96 | |
| 2 | 4349.000 | -1.57 | 50.10 | 48.53 | 74.00 | -25.47 | peak | 100 | 5 | |
| 3 | 5471.000 | 2.33 | 48.12 | 50.45 | 74.00 | -23.55 | peak | 100 | 41 | |



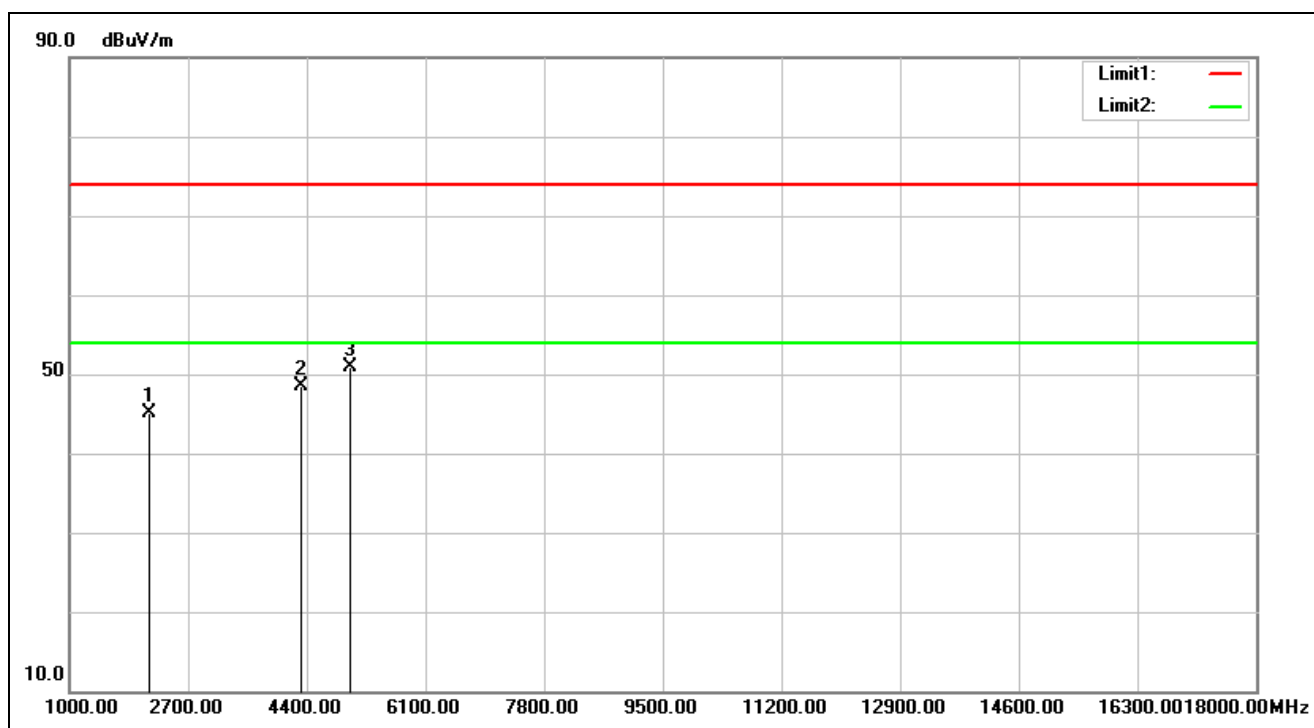
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|----------------|---------------------|--------------------|--------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Vertical |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 11:16:15 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%) | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-62.96-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 1323.000 | -9.54 | 51.17 | 41.63 | 74.00 | -32.37 | peak | 100 | 208 | |
| 2 | 4281.000 | -1.85 | 50.11 | 48.26 | 74.00 | -25.74 | peak | 100 | 236 | |
| 3 | 5692.000 | 3.79 | 46.89 | 50.68 | 74.00 | -23.32 | peak | 100 | 28 | |



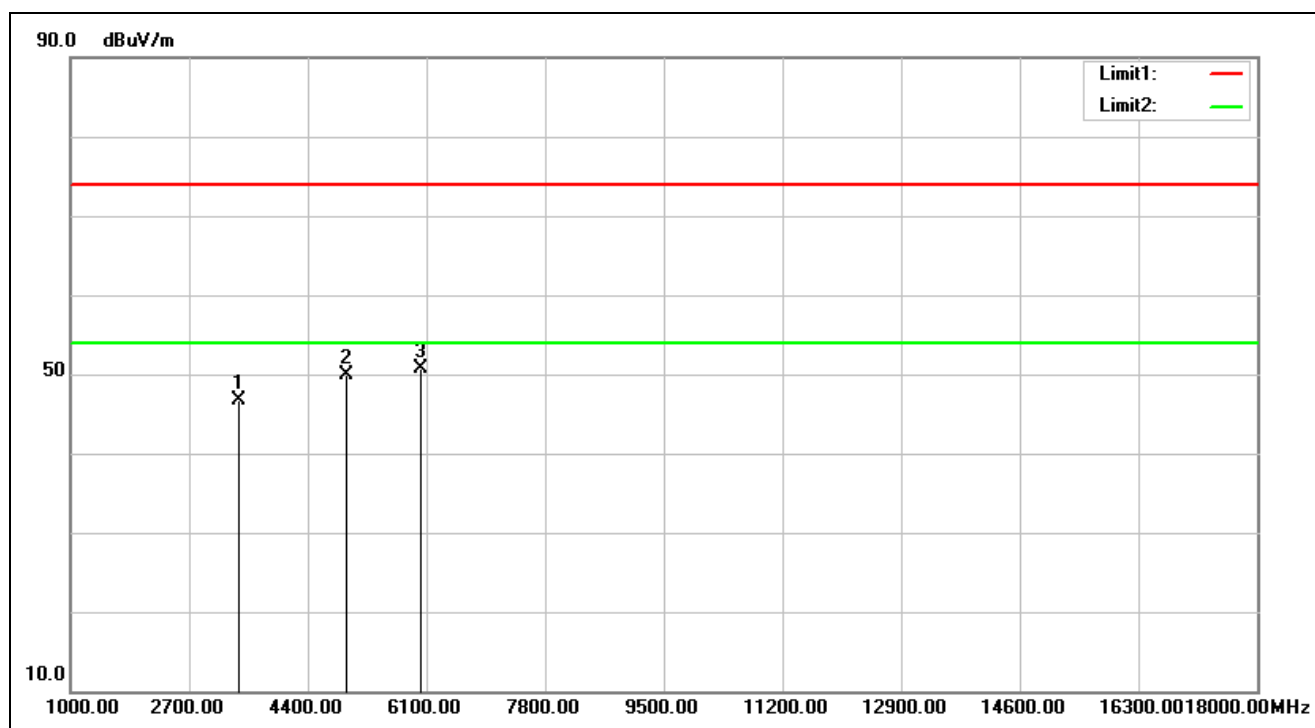
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|-----------------------|----------------------------|---------------------------|---------------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Horizontal |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 11:05:16 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | MRP-60.48-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 2989.000 | -4.70 | 52.00 | 47.30 | 74.00 | -26.70 | peak | 100 | 302 | |
| 2 | 4145.000 | -2.43 | 51.36 | 48.93 | 74.00 | -25.07 | peak | 100 | 138 | |
| 3 | 5913.000 | 5.29 | 46.28 | 51.57 | 74.00 | -22.43 | peak | 100 | 263 | |



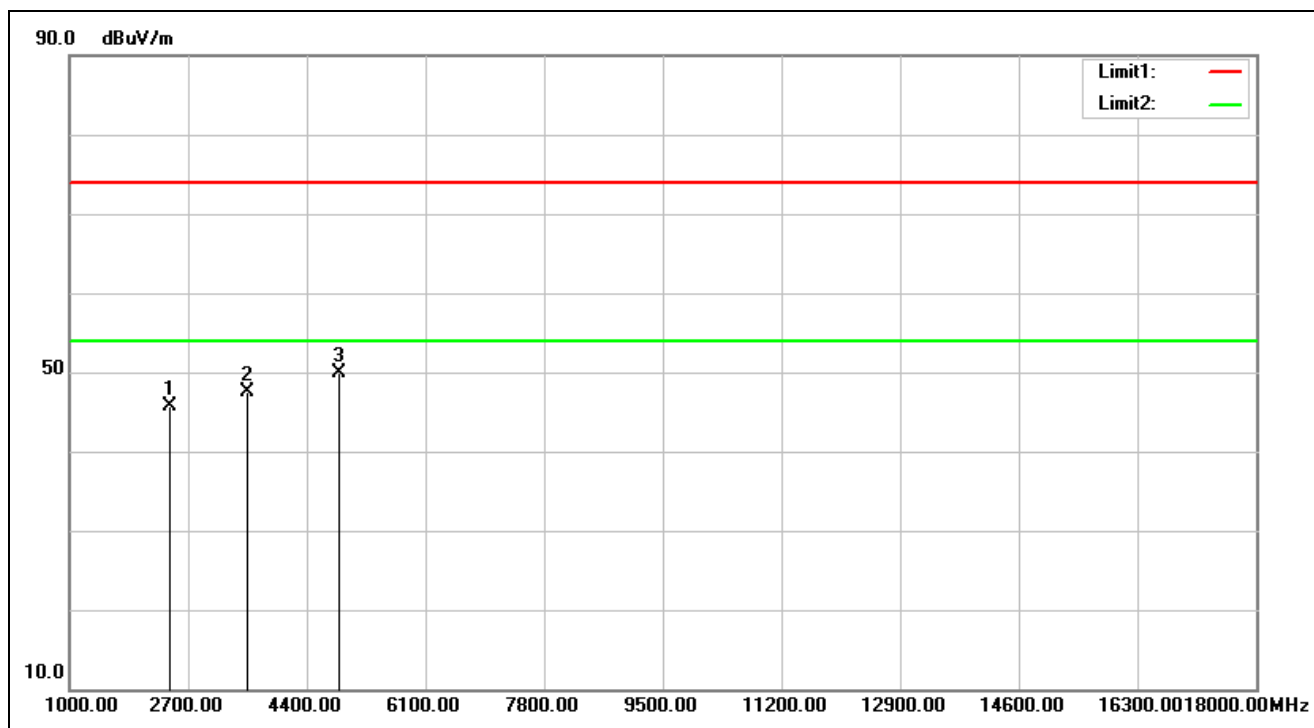
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|-----------------------|----------------------------|---------------------------|---------------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Vertical |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 11:06:19 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | MRP-60.48-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 2139.000 | -5.96 | 51.05 | 45.09 | 74.00 | -28.91 | peak | 100 | 70 | |
| 2 | 4315.000 | -1.71 | 50.20 | 48.49 | 74.00 | -25.51 | peak | 100 | 294 | |
| 3 | 5029.000 | 0.13 | 50.72 | 50.85 | 74.00 | -23.15 | peak | 100 | 97 | |



| | | | |
|----------------|---------------------|--------------------|--------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Horizontal |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 11:17:52 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | MRP-62.64-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 3414.000 | -4.26 | 50.97 | 46.71 | 74.00 | -27.29 | peak | 100 | 246 | |
| 2 | 4944.000 | -0.11 | 50.09 | 49.98 | 74.00 | -24.02 | peak | 100 | 340 | |
| 3 | 6015.000 | 5.94 | 44.75 | 50.69 | 74.00 | -23.31 | peak | 100 | 108 | |



| | | | |
|-----------------------|----------------------------|---------------------------|---------------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Vertical |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 11:18:55 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | MRP-62.64-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 2445.000 | -5.85 | 51.65 | 45.80 | 74.00 | -28.20 | peak | 100 | 183 | |
| 2 | 3550.000 | -4.06 | 51.53 | 47.47 | 74.00 | -26.53 | peak | 100 | 244 | |
| 3 | 4859.000 | -0.28 | 50.09 | 49.81 | 74.00 | -24.19 | peak | 100 | 14 | |

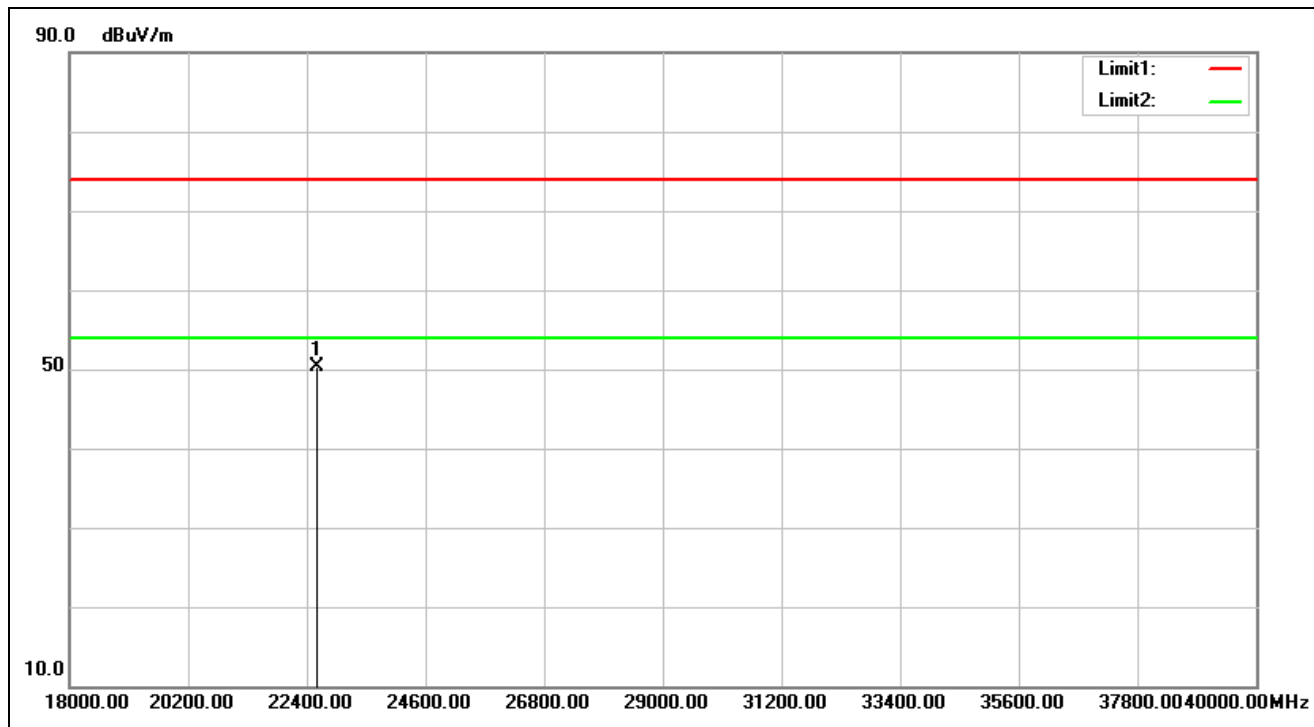
Spurious Emissions, TX Mode, 18-26G



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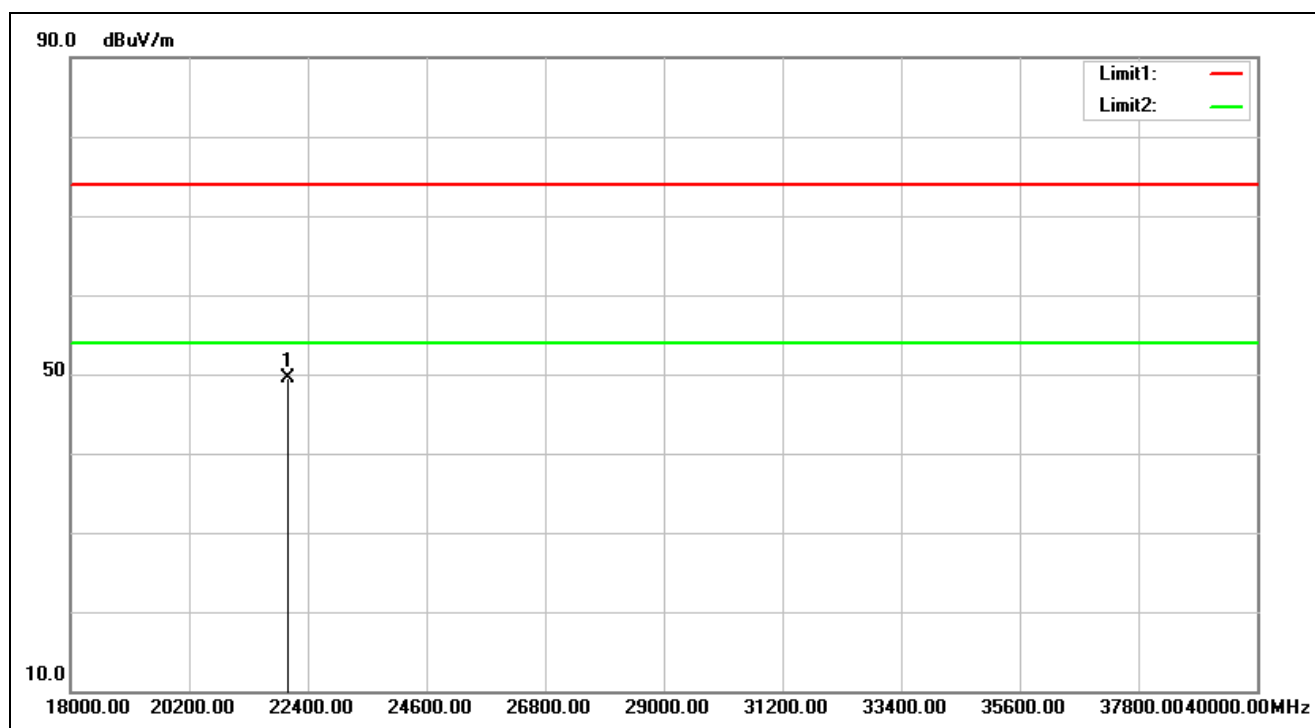
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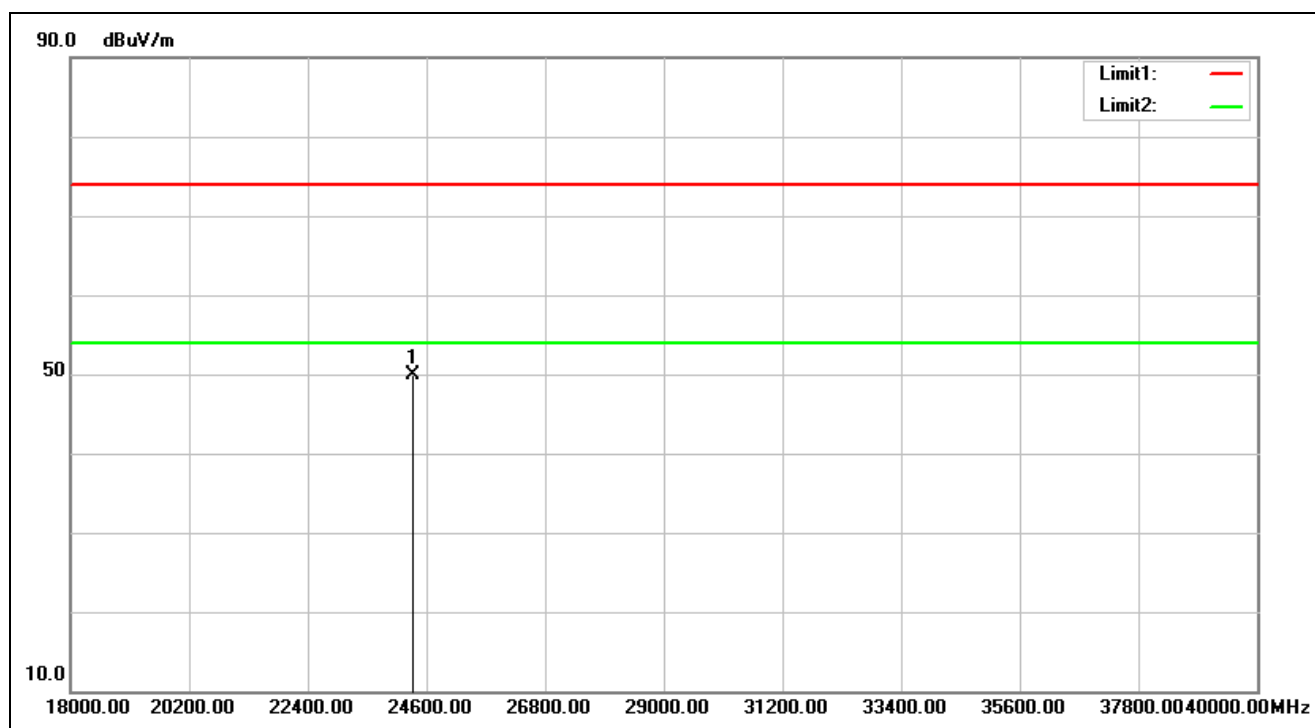
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|-----------------------|----------------------------|---------------------------|---------------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Horizontal |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 13:02:26 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-60.16-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|------------------|--------|
| 1 | 22598.000 | 32.33 | 17.97 | 50.30 | 74.00 | -23.70 | peak | | 0 | |



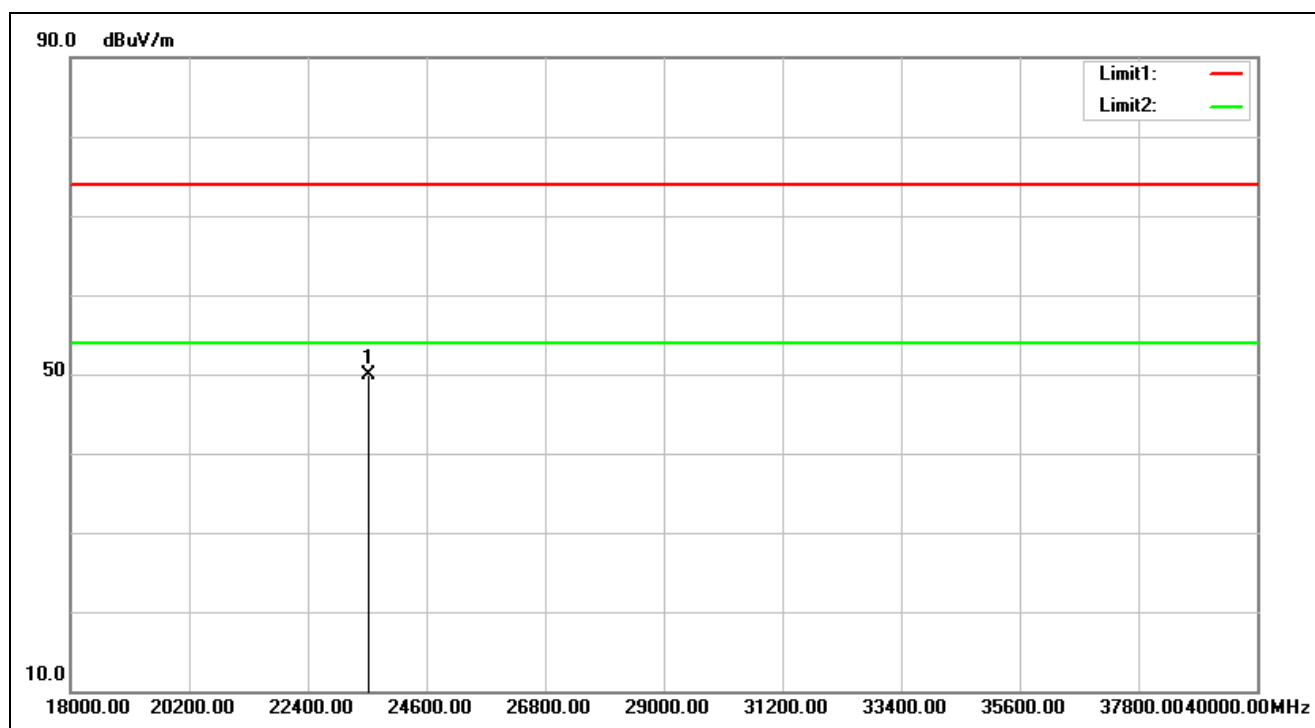
| | | | |
|-----------------------|----------------------------|---------------------------|---------------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Vertical |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 13:02:34 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-60.16-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|------------------|--------|
| 1 | 22026.000 | 32.65 | 16.86 | 49.51 | 74.00 | -24.49 | peak | | | |



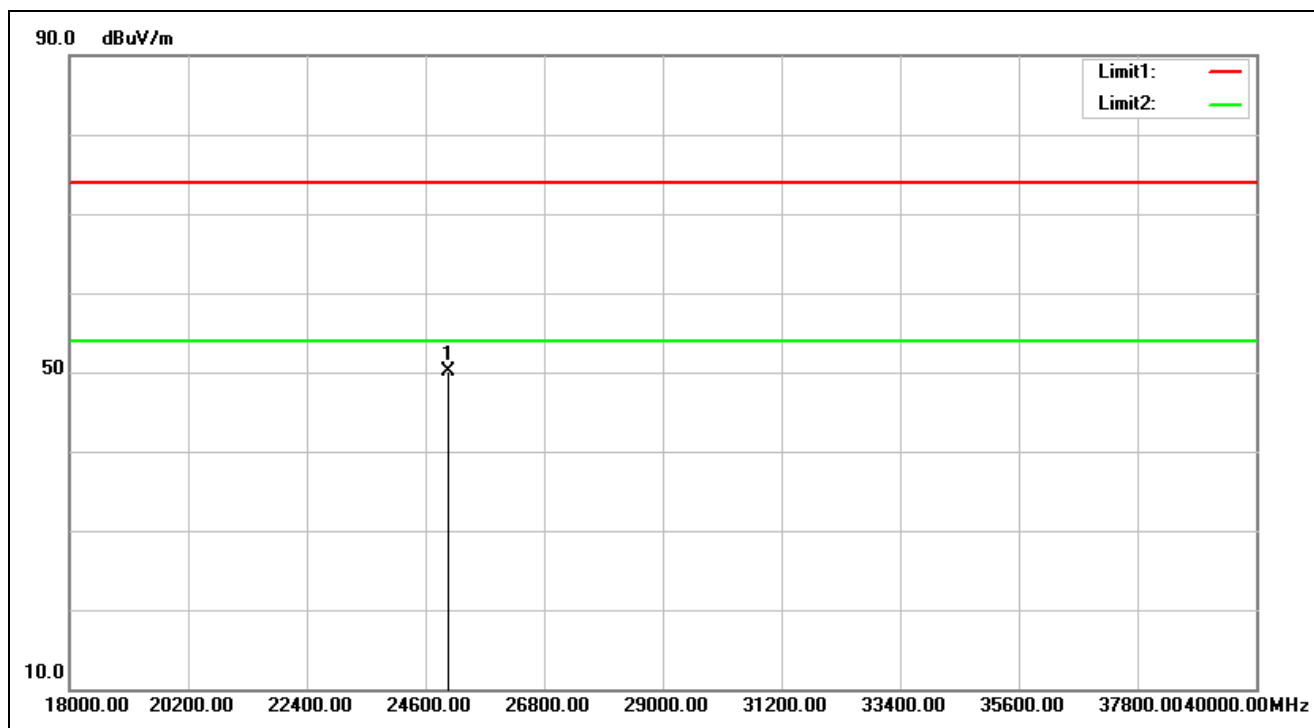
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|----------------|---------------------|--------------------|--------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Horizontal |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 13:03:04 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-60.48-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 24358.000 | 32.33 | 17.60 | 49.93 | 74.00 | -24.07 | peak | | | |



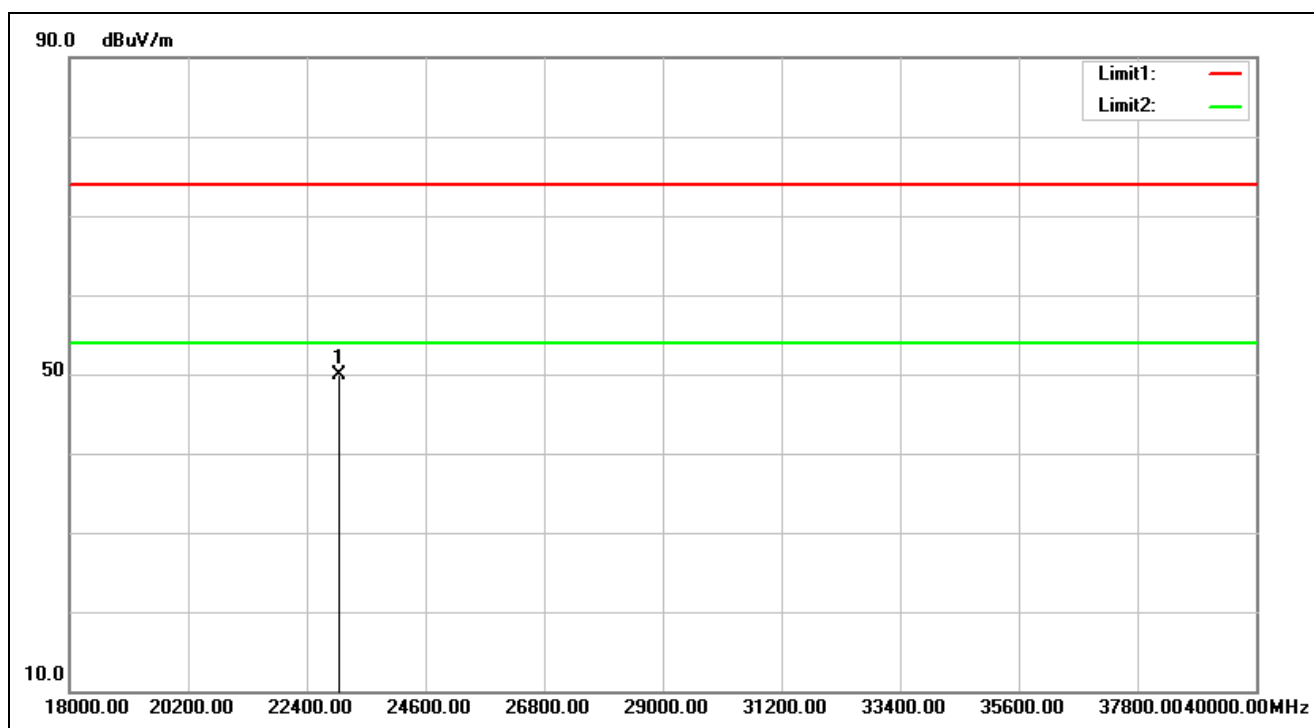
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|-----------------------|----------------------------|---------------------------|---------------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Vertical |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 13:03:22 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-60.48-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|------------------|--------|
| 1 | 23522.000 | 32.55 | 17.28 | 49.83 | 74.00 | -24.17 | peak | | | |



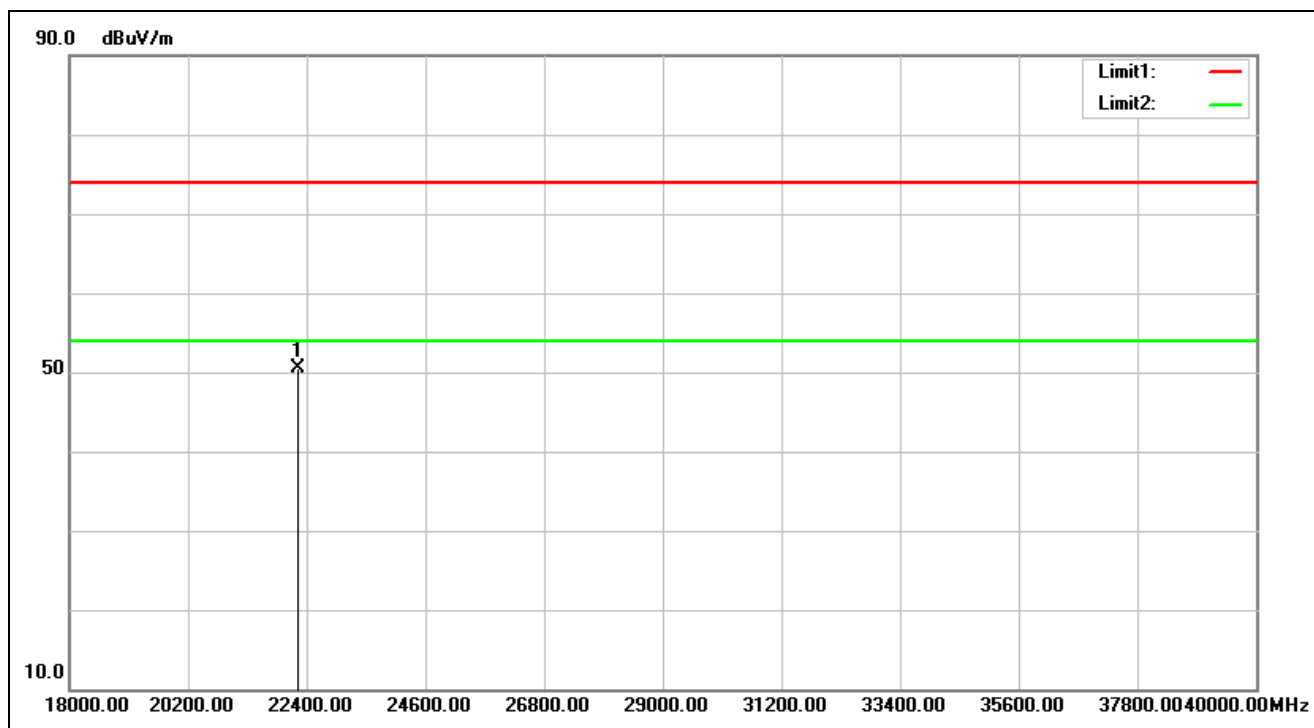
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|-----------------------|----------------------------|---------------------------|---------------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Horizontal |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 13:03:37 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-60.80-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|------------------|--------|
| 1 | 25018.000 | 33.39 | 16.64 | 50.03 | 74.00 | -23.97 | peak | | | |



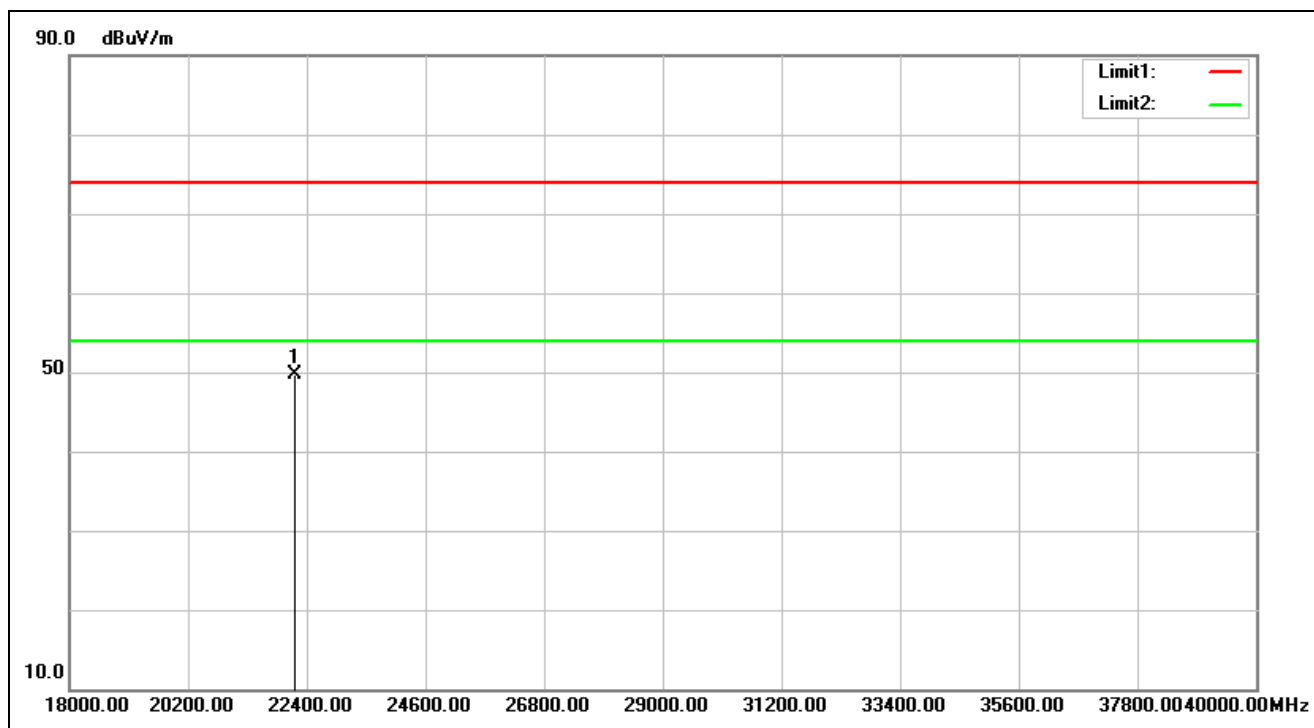
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|----------------|---------------------|--------------------|--------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Vertical |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 13:03:48 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-60.80-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 22994.000 | 32.09 | 17.79 | 49.88 | 74.00 | -24.12 | peak | | | |



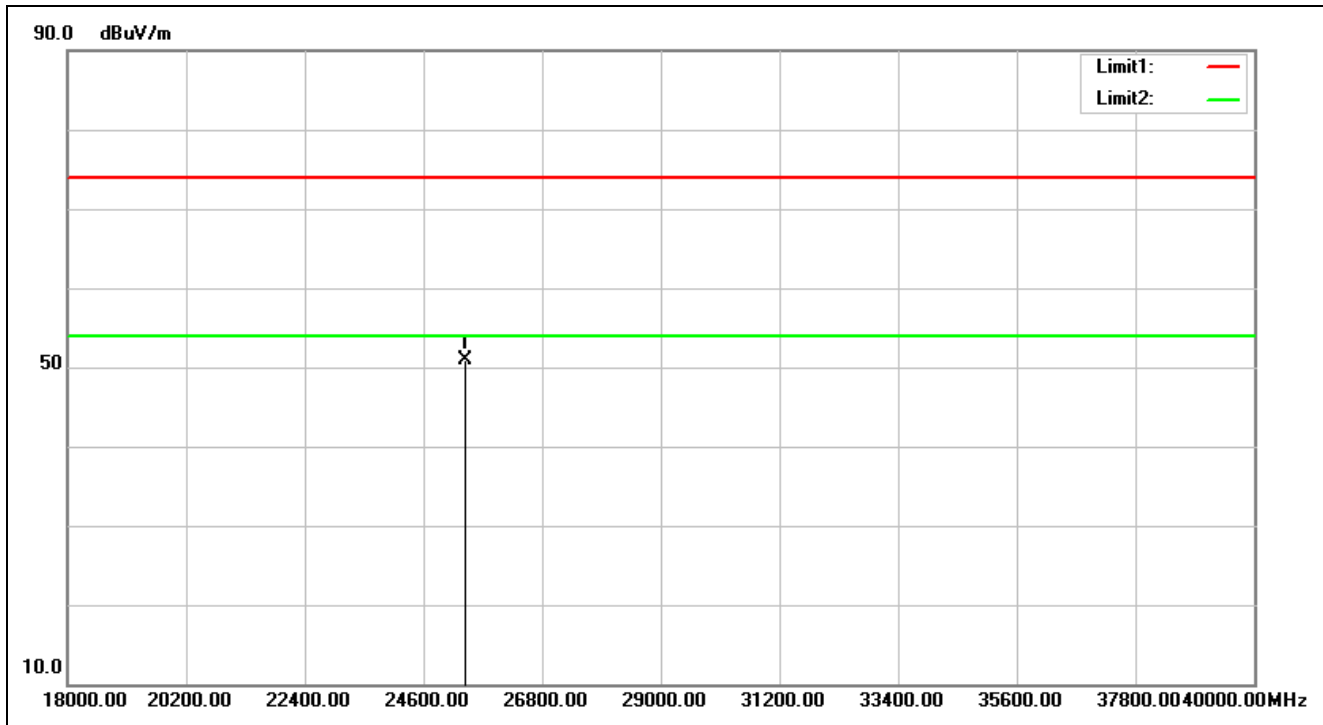
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|----------------|---------------------|--------------------|--------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Horizontal |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 13:05:02 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-62.32-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 22246.000 | 32.53 | 18.00 | 50.53 | 74.00 | -23.47 | peak | | | |



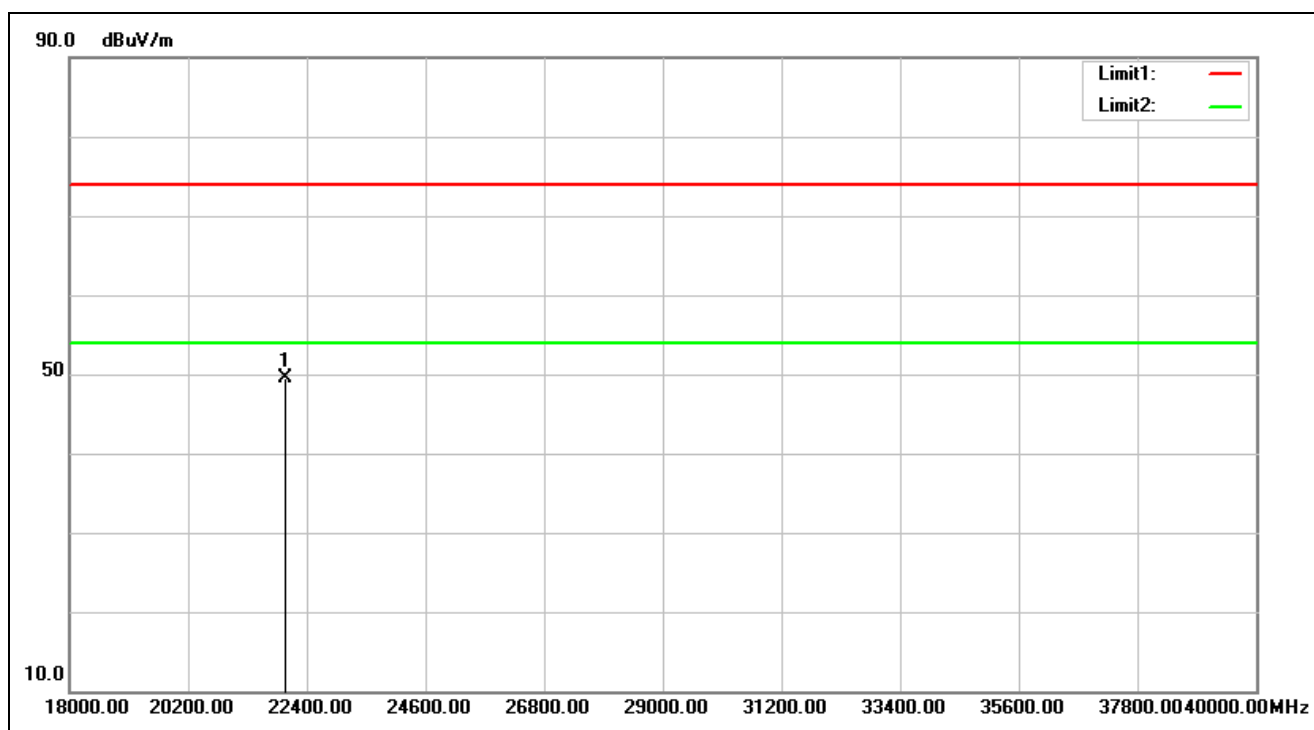
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|----------------|---------------------|--------------------|--------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Vertical |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 13:05:11 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-62.32-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 22180.000 | 32.57 | 17.15 | 49.72 | 74.00 | -24.28 | peak | | | |



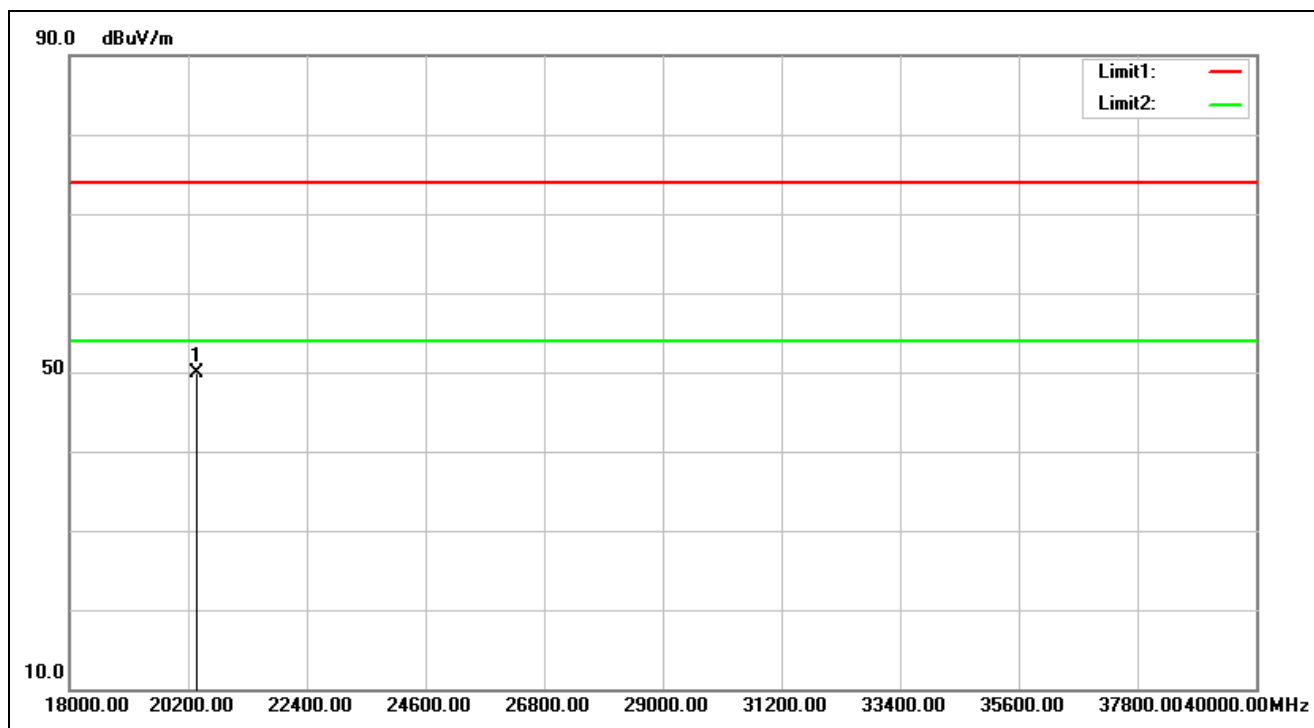
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|----------------|---------------------|--------------------|--------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Horizontal |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 13:05:36 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-62.64-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 25370.000 | 34.26 | 16.68 | 50.94 | 74.00 | -23.06 | peak | | | |



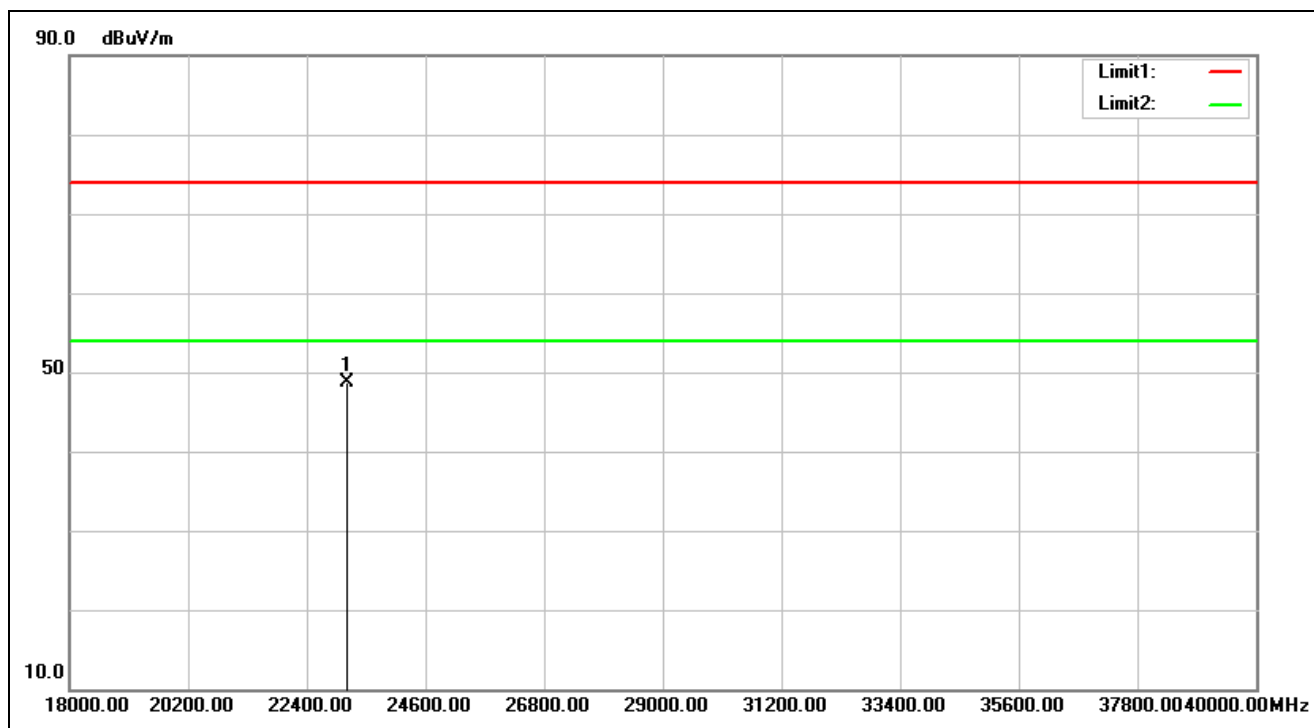
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|-----------------------|----------------------------|---------------------------|---------------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Vertical |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 13:05:45 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-62.64-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|------------------|--------|
| 1 | 22004.000 | 32.67 | 16.76 | 49.43 | 74.00 | -24.57 | peak | | | |



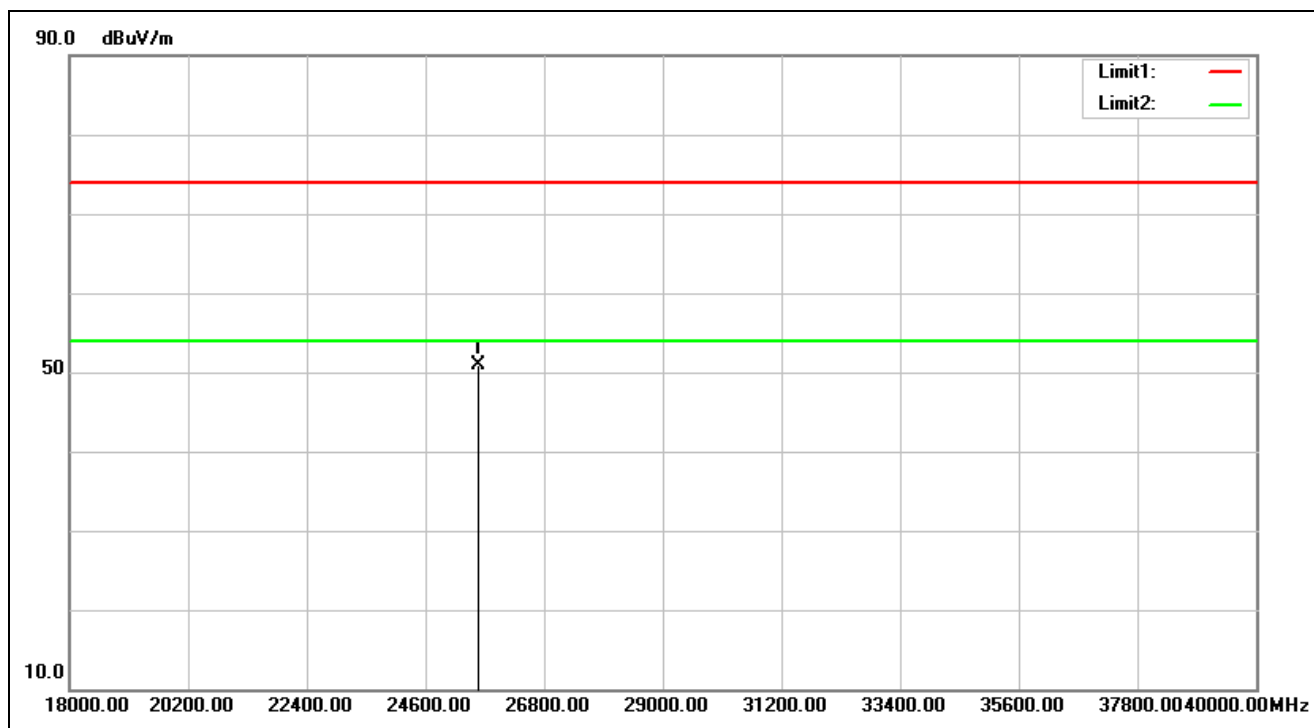
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|-----------------------|----------------------------|---------------------------|---------------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Horizontal |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 13:06:02 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-62.96-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|------------------|--------|
| 1 | 20354.000 | 31.00 | 18.83 | 49.83 | 74.00 | -24.17 | peak | | | |



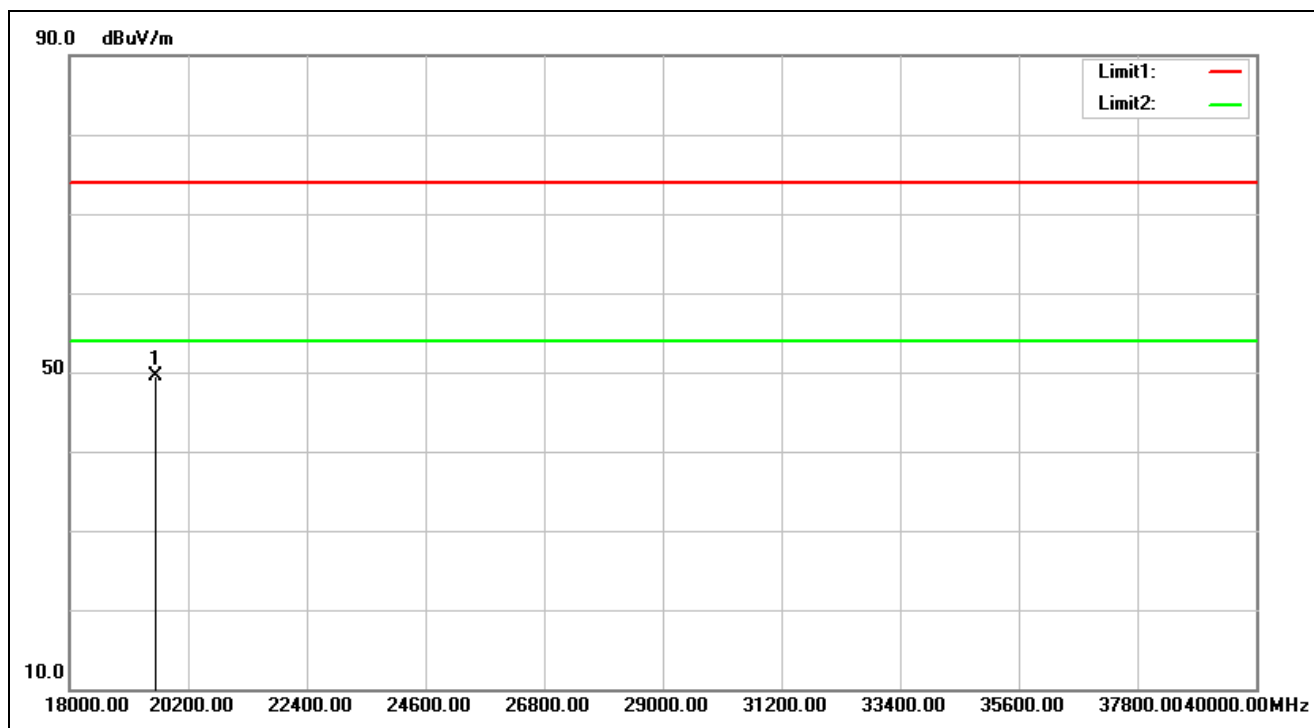
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|-----------------------|----------------------------|---------------------------|---------------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Vertical |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 13:06:10 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-62.96-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|------------------|--------|
| 1 | 23148.000 | 32.24 | 16.38 | 48.62 | 74.00 | -25.38 | peak | | | |



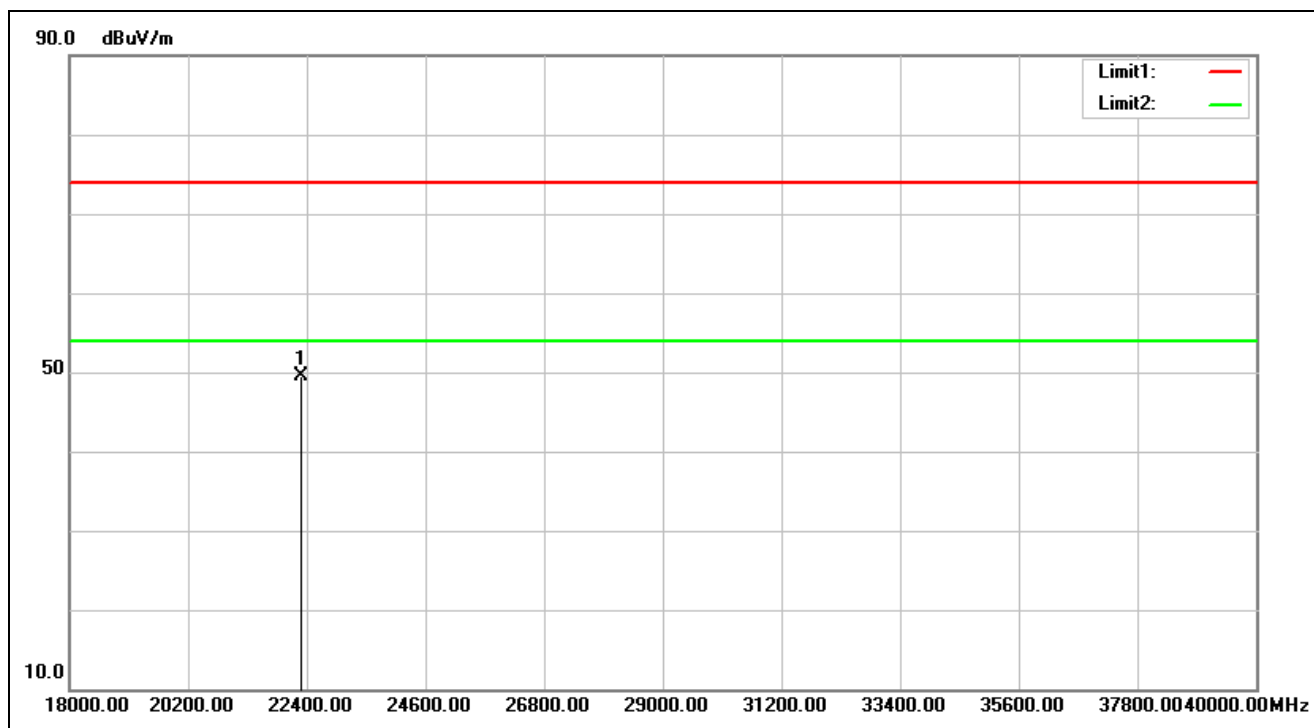
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|-----------------------|----------------------------|---------------------------|---------------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Horizontal |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 13:04:14 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | MRP-60.48-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|------------------|--------|
| 1 | 25590.000 | 34.64 | 16.26 | 50.90 | 74.00 | -23.10 | peak | | | |



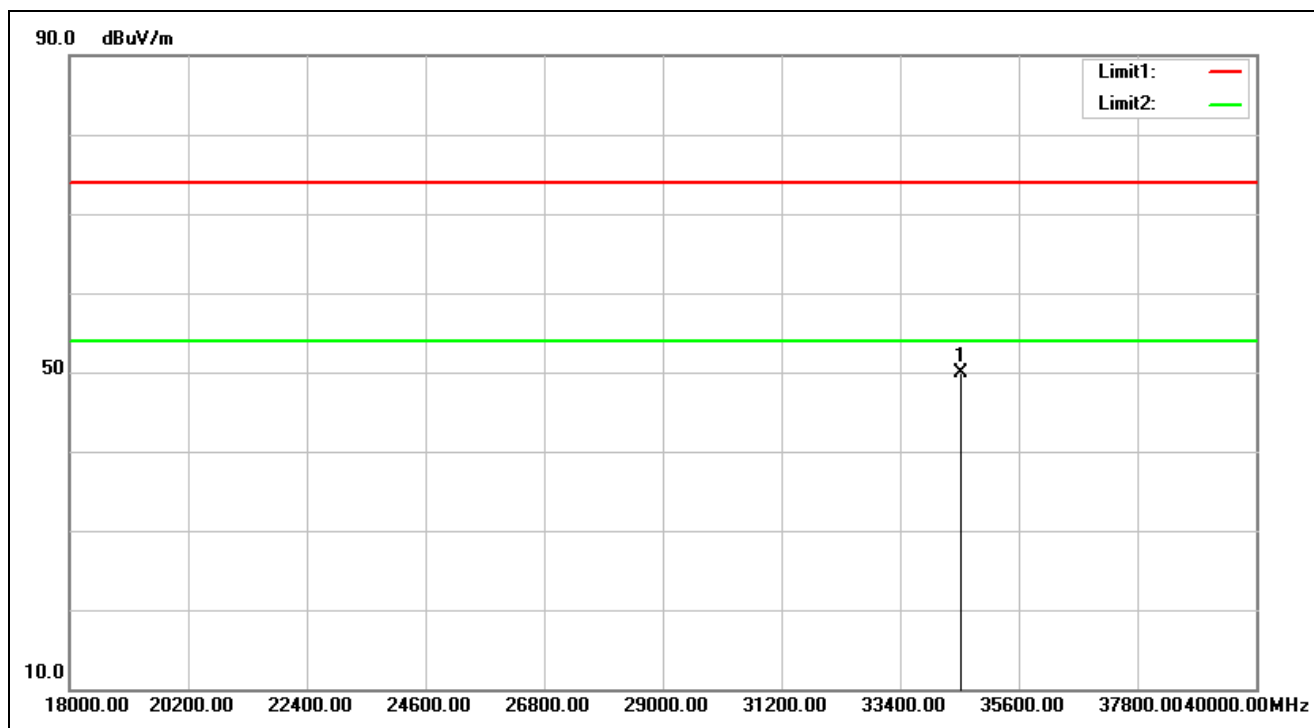
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|-----------------------|----------------------------|---------------------------|---------------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Vertical |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 13:04:23 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | MRP-60.48-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|------------------|--------|
| 1 | 19606.000 | 30.31 | 19.17 | 49.48 | 74.00 | -24.52 | peak | | | |



| | | | |
|-----------------------|----------------------------|---------------------------|---------------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Horizontal |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 13:06:26 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | MRP-62.64-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 22290.000 | 32.51 | 16.95 | 49.46 | 74.00 | -24.54 | peak | | | |



| | | | |
|----------------|---------------------|--------------------|--------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Vertical |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 13:06:34 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | MRP-62.64-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 34522.000 | 39.49 | 10.45 | 49.94 | 74.00 | -24.06 | peak | | | |

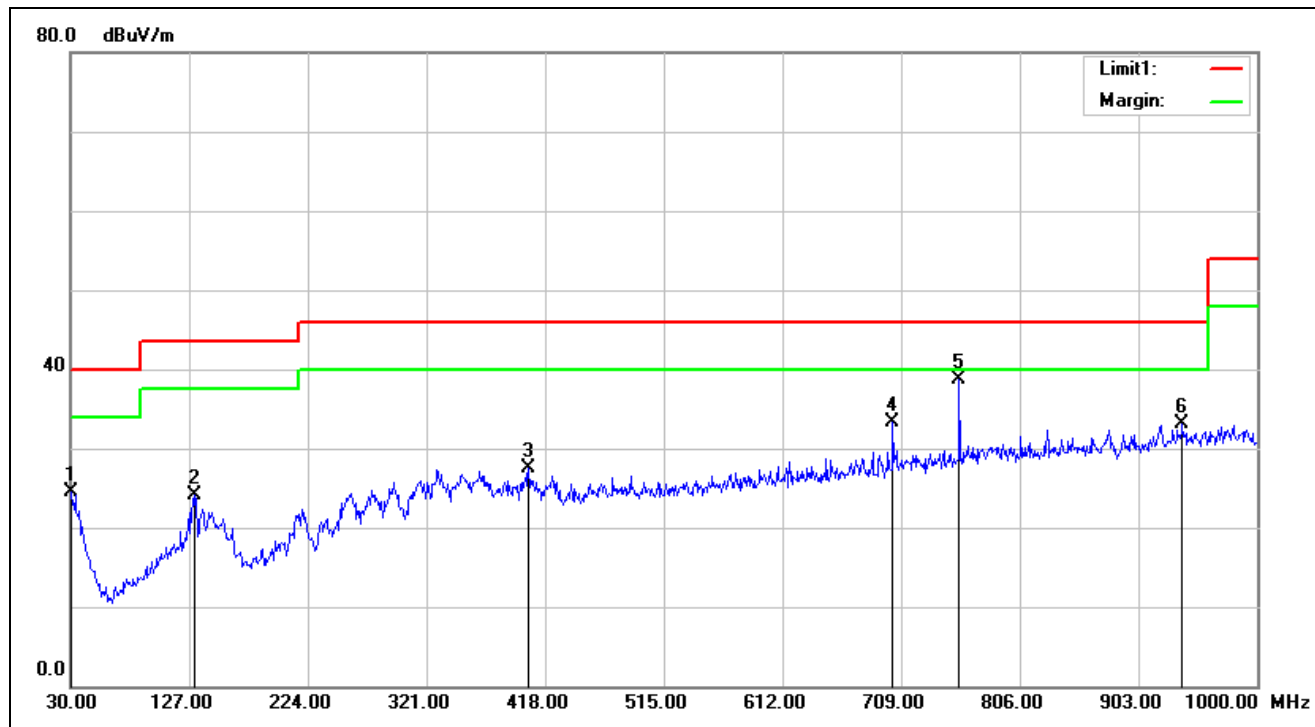
Spurious Emissions, TX Mode, 30M-1G



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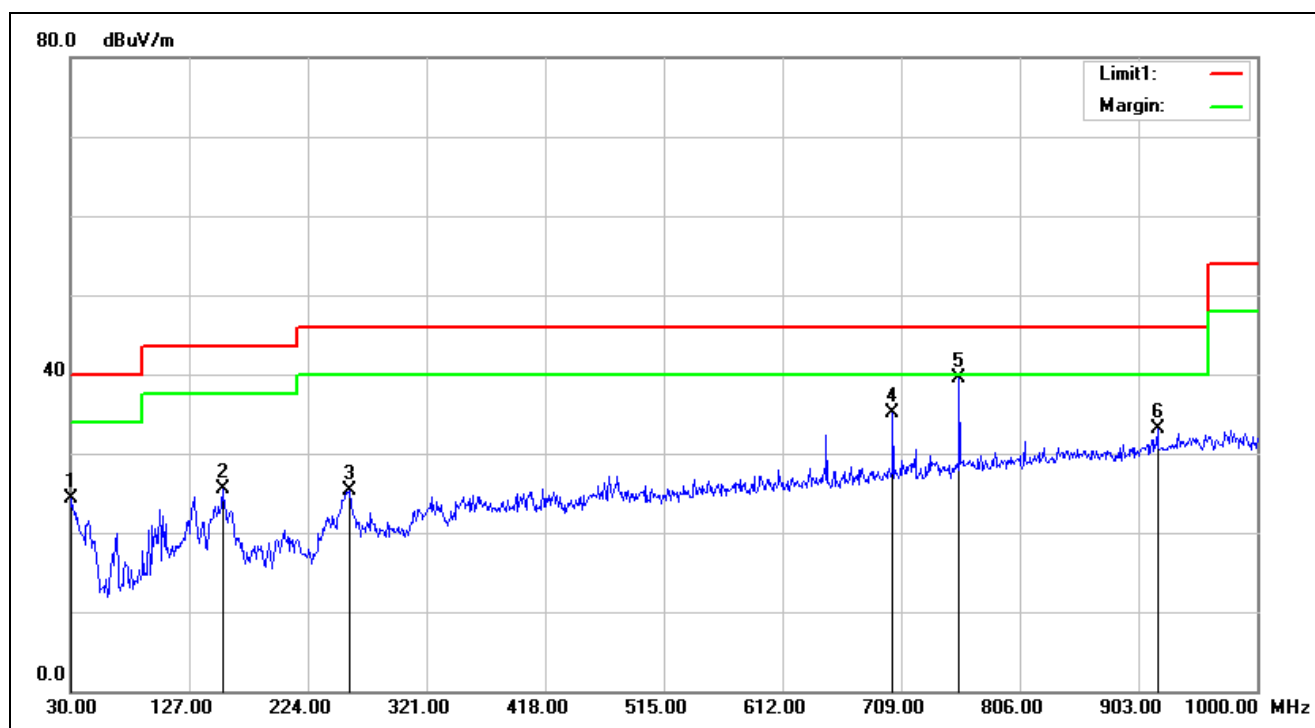
Tel: +886-2172-7000 fax: +886-2528-0018



| | | | |
|----------------|--------------------------|--------------------|--------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Class B 3M Radiation | Ant. Polarization: | Horizontal |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 10:01:40 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%) | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-60.48-TX | | |
| Remark: | | | |

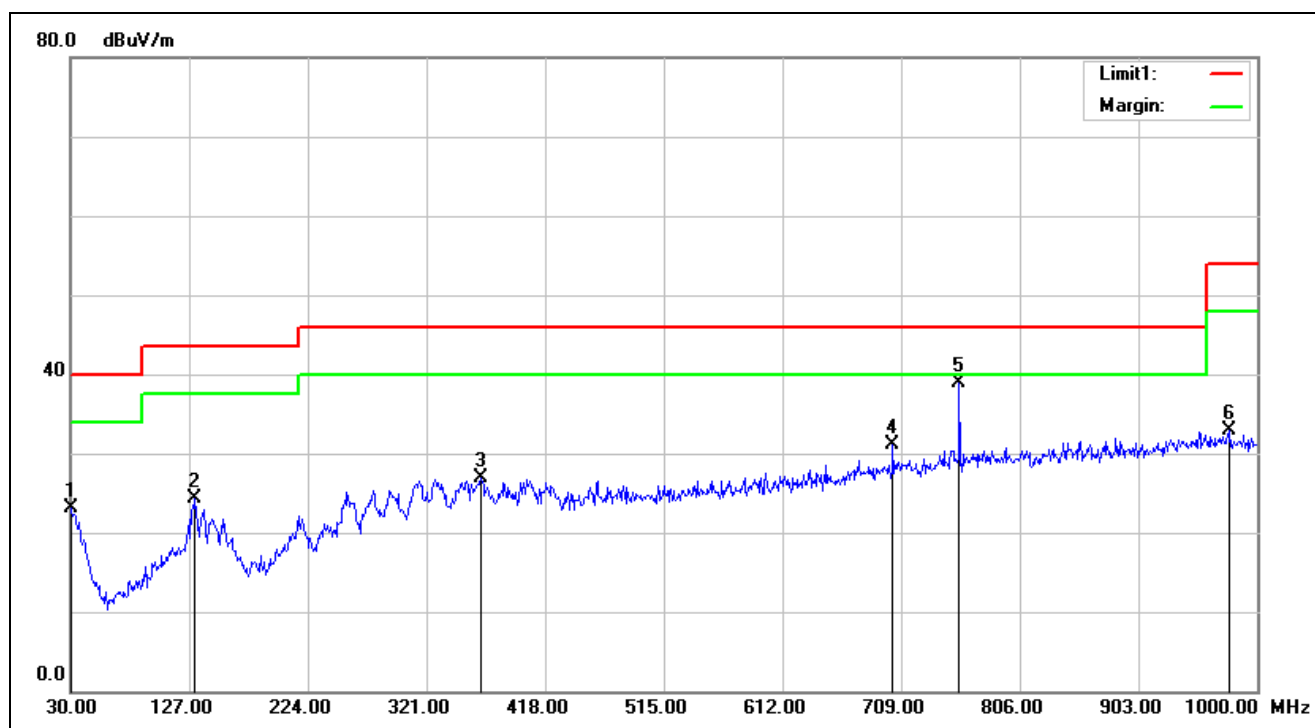
| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 30.0000 | -1.31 | 25.83 | 24.52 | 40.00 | -15.48 | QP | 100 | 181 | |
| 2 | 130.8799 | -8.05 | 32.16 | 24.11 | 43.50 | -19.39 | QP | 100 | 251 | |
| 3 | 404.4200 | -3.48 | 30.93 | 27.45 | 46.00 | -18.55 | QP | 100 | 43 | |
| 4 | 702.2100 | 0.27 | 33.03 | 33.30 | 46.00 | -12.70 | QP | 100 | 134 | |
| 5 | 756.5299 | 1.54 | 37.09 | 38.63 | 46.00 | -7.37 | QP | 100 | 125 | |
| 6 | 938.8899 | 4.82 | 28.22 | 33.04 | 46.00 | -12.96 | QP | 100 | 166 | |

Spurious Emissions, TX Mode, 30M-1G



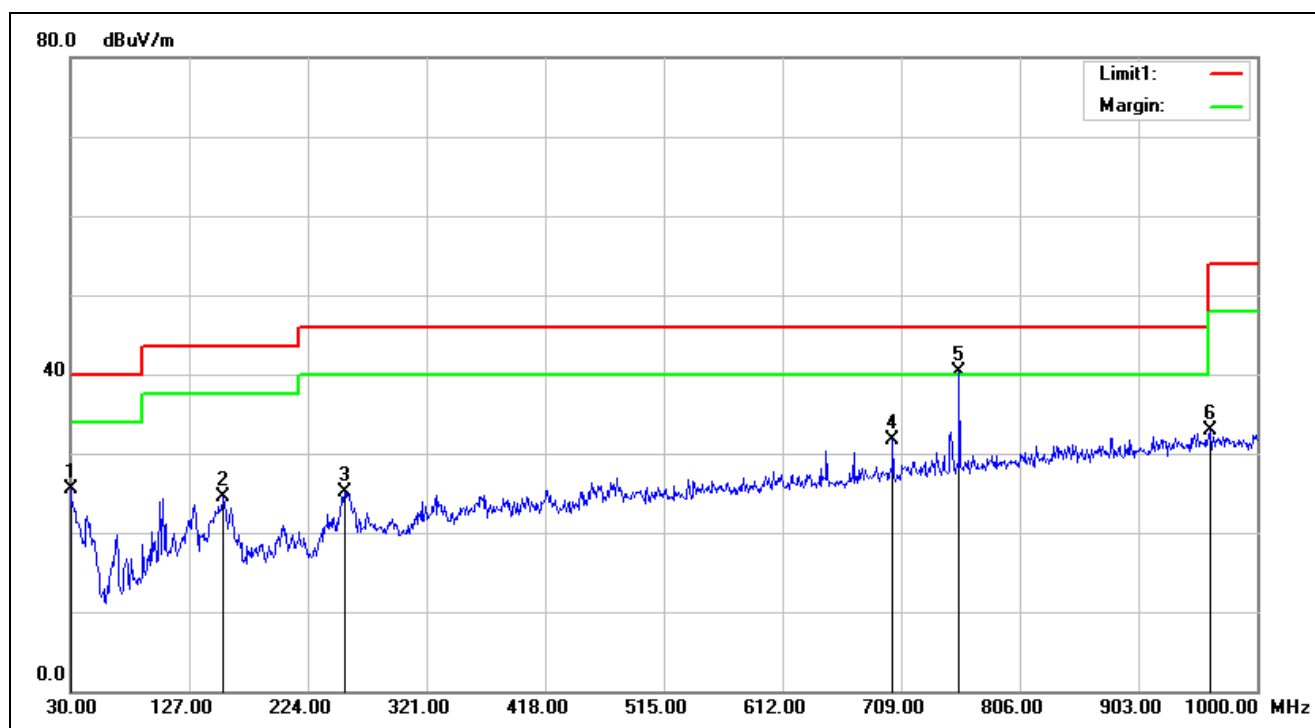
| | | | |
|-----------------------|---------------------------------|---------------------------|---------------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Class B 3M Radiation | Ant. Polarization: | Vertical |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 10:02:43 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%) | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-60.48-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 30.0000 | -1.31 | 25.61 | 24.30 | 40.00 | -15.70 | QP | 100 | 0 | |
| 2 | 154.1600 | -8.67 | 34.10 | 25.43 | 43.50 | -18.07 | QP | 100 | 59 | |
| 3 | 257.9500 | -6.31 | 31.56 | 25.25 | 46.00 | -20.75 | QP | 100 | 275 | |
| 4 | 702.2100 | 0.27 | 34.74 | 35.01 | 46.00 | -10.99 | QP | 100 | 238 | |
| 5 | 756.5300 | 1.54 | 37.88 | 39.42 | 46.00 | -6.58 | QP | 100 | 144 | |
| 6 | 918.5200 | 4.24 | 28.79 | 33.03 | 46.00 | -12.97 | QP | 100 | 9 | |



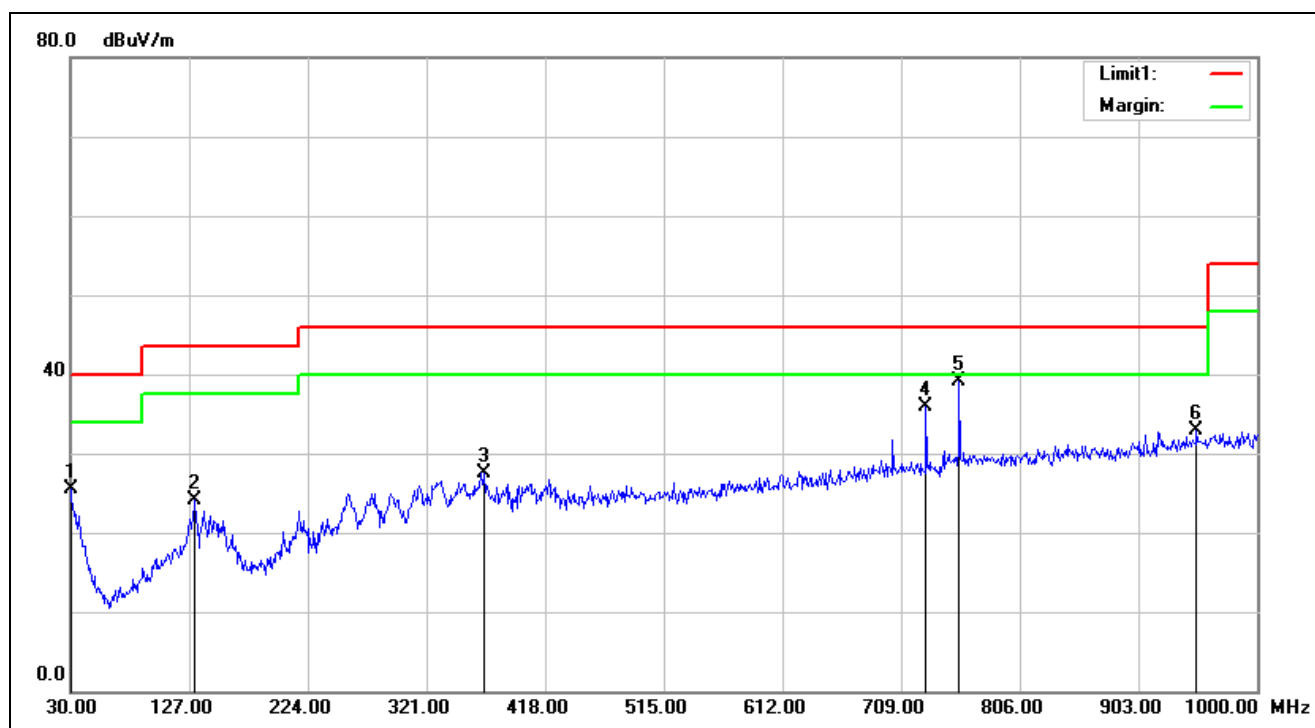
| | | | |
|-----------------------|---------------------------------|---------------------------|---------------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Class B 3M Radiation | Ant. Polarization: | Horizontal |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 10:09:55 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%) | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-62.64-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 30.0000 | -1.31 | 24.45 | 23.14 | 40.00 | -16.86 | QP | 100 | 296 | |
| 2 | 131.8499 | -8.06 | 32.37 | 24.31 | 43.50 | -19.19 | QP | 100 | 251 | |
| 3 | 365.6200 | -4.18 | 31.00 | 26.82 | 46.00 | -19.18 | QP | 100 | 77 | |
| 4 | 702.2100 | 0.27 | 30.83 | 31.10 | 46.00 | -14.90 | QP | 100 | 101 | |
| 5 | 756.5299 | 1.54 | 37.39 | 38.93 | 46.00 | -7.07 | QP | 100 | 128 | |
| 6 | 977.6900 | 5.07 | 27.84 | 32.91 | 54.00 | -21.09 | QP | 100 | 147 | |



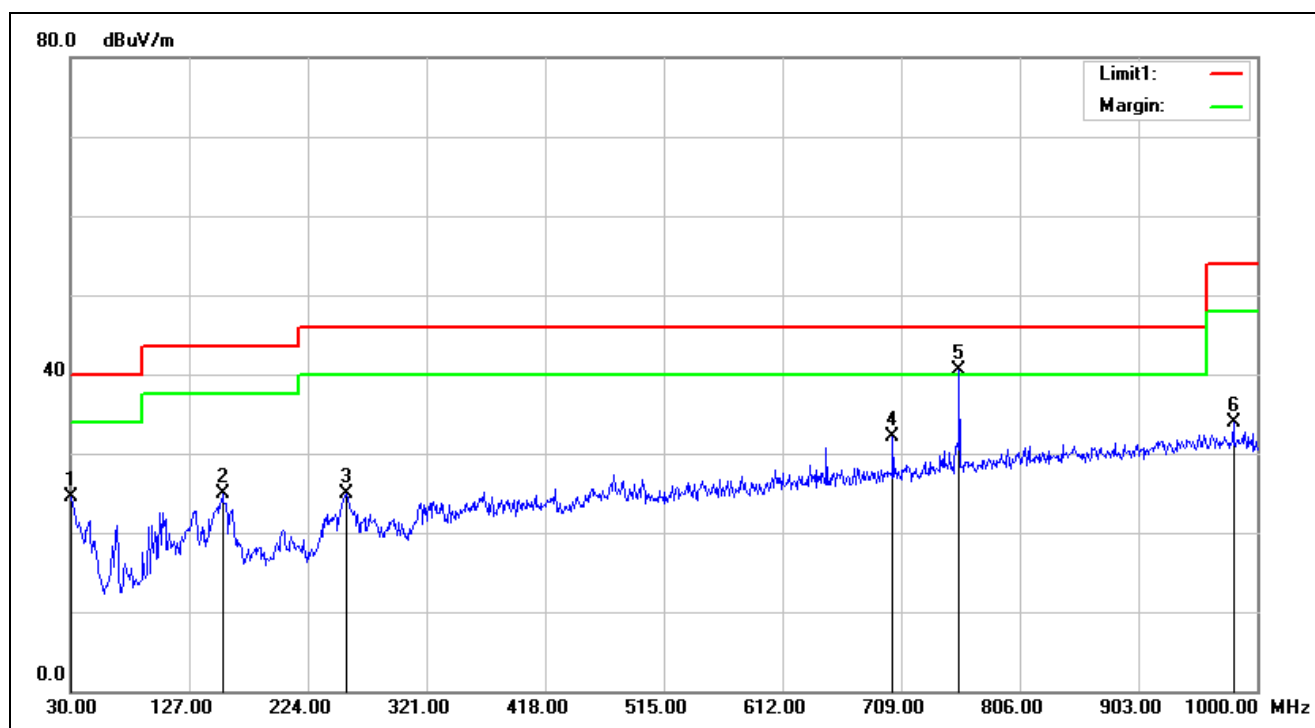
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|----------------|--------------------------|--------------------|--------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Class B 3M Radiation | Ant. Polarization: | Vertical |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 10:10:58 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%) | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-62.64-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 30.0000 | -1.31 | 26.77 | 25.46 | 40.00 | -14.54 | QP | 100 | 160 | |
| 2 | 155.1300 | -8.74 | 33.34 | 24.60 | 43.50 | -18.90 | QP | 100 | 91 | |
| 3 | 254.0700 | -6.65 | 31.81 | 25.16 | 46.00 | -20.84 | QP | 100 | 259 | |
| 4 | 702.2100 | 0.27 | 31.36 | 31.63 | 46.00 | -14.37 | QP | 100 | 221 | |
| 5 | 756.5300 | 1.54 | 38.86 | 40.40 | 46.00 | -5.60 | QP | 100 | 160 | |
| 6 | 962.1700 | 5.10 | 27.82 | 32.92 | 54.00 | -21.08 | QP | 100 | 261 | |



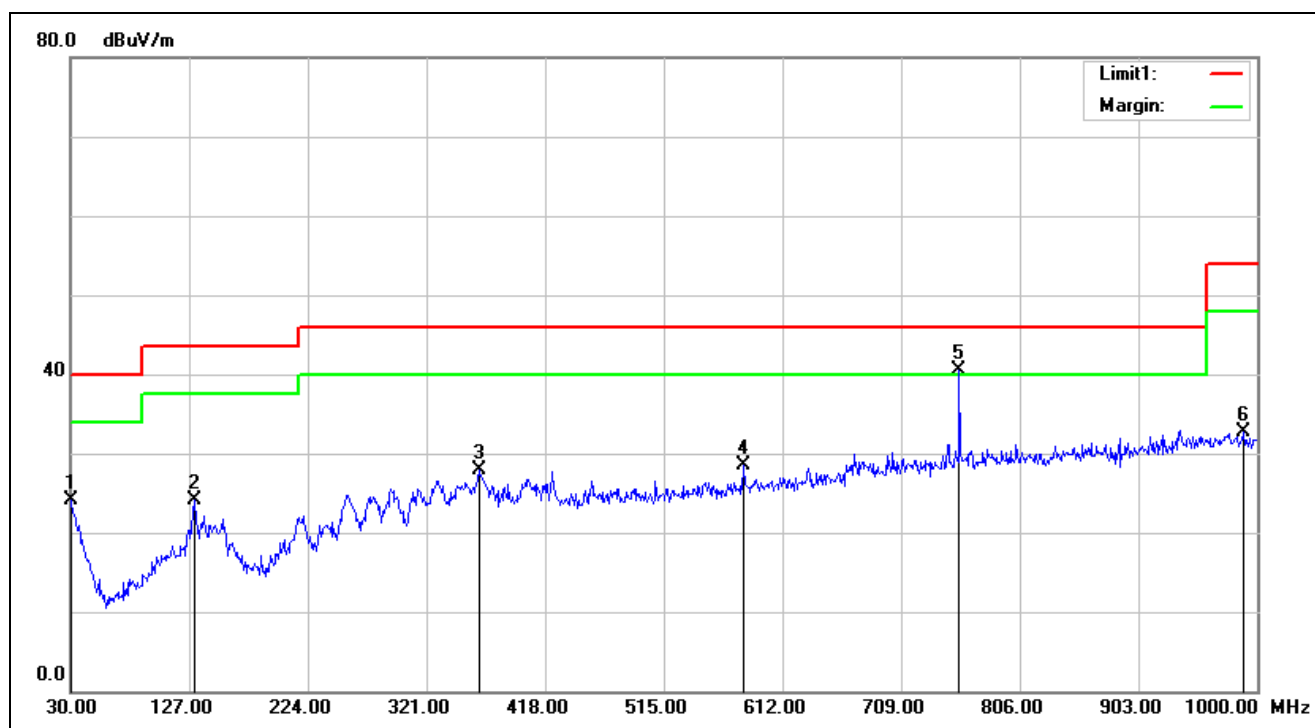
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|----------------|--------------------------|--------------------|--------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Class B 3M Radiation | Ant. Polarization: | Horizontal |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 10:06:06 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%) | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | MRP-60.48-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 30.0000 | -1.31 | 26.72 | 25.41 | 40.00 | -14.59 | QP | 100 | 306 | |
| 2 | 131.8499 | -8.06 | 32.12 | 24.06 | 43.50 | -19.44 | QP | 100 | 240 | |
| 3 | 368.5299 | -4.13 | 31.58 | 27.45 | 46.00 | -18.55 | QP | 100 | 61 | |
| 4 | 729.3700 | 0.93 | 35.06 | 35.99 | 46.00 | -10.01 | QP | 100 | 99 | |
| 5 | 756.5299 | 1.54 | 37.63 | 39.17 | 46.00 | -6.83 | QP | 100 | 125 | |
| 6 | 950.5299 | 5.13 | 27.68 | 32.81 | 46.00 | -13.19 | QP | 100 | 189 | |



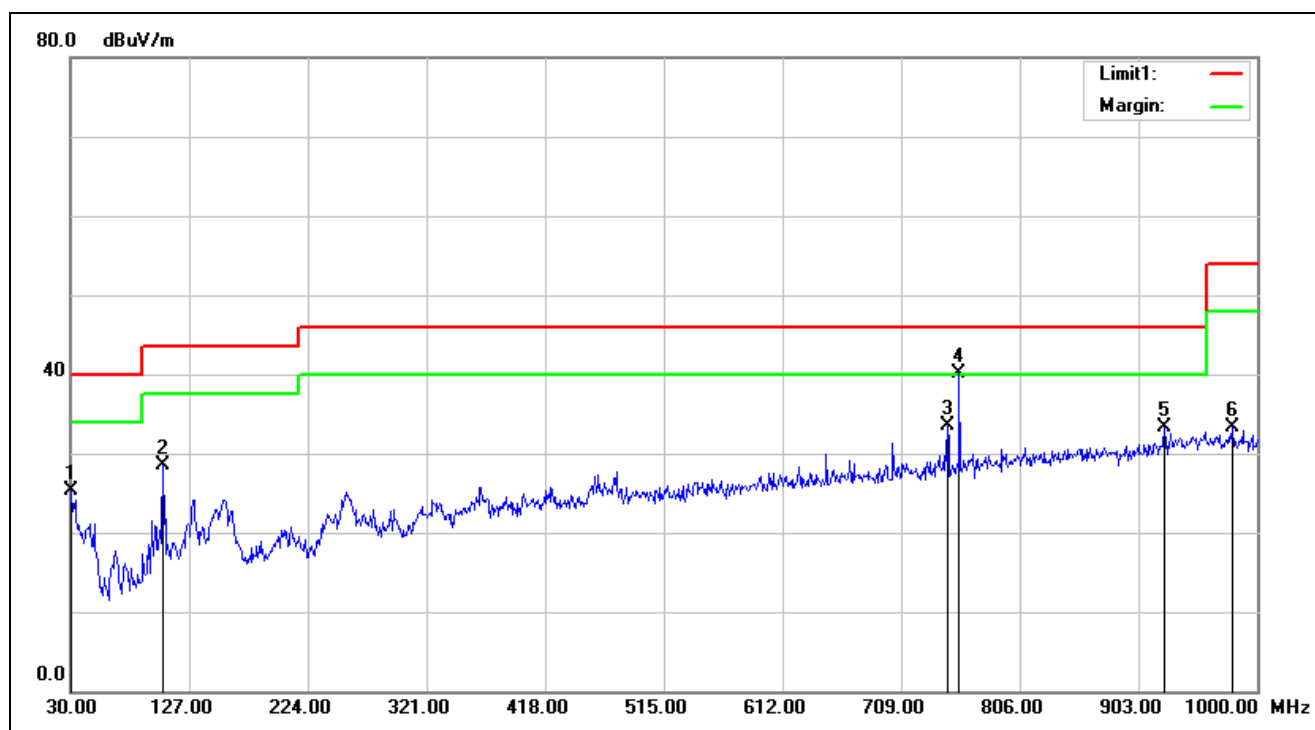
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|----------------|--------------------------|--------------------|--------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Class B 3M Radiation | Ant. Polarization: | Vertical |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 10:07:10 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%) | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | MRP-60.48-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 30.0000 | -1.31 | 25.84 | 24.53 | 40.00 | -15.47 | QP | 100 | 0 | |
| 2 | 154.1600 | -8.67 | 33.67 | 25.00 | 43.50 | -18.50 | QP | 100 | 1 | |
| 3 | 255.0400 | -6.57 | 31.41 | 24.84 | 46.00 | -21.16 | QP | 100 | 147 | |
| 4 | 702.2100 | 0.27 | 31.87 | 32.14 | 46.00 | -13.86 | QP | 100 | 237 | |
| 5 | 756.5300 | 1.54 | 38.99 | 40.53 | 46.00 | -5.47 | QP | 100 | 285 | |
| 6 | 980.6000 | 5.08 | 28.87 | 33.95 | 54.00 | -20.05 | QP | 100 | 152 | |



| | | | |
|-----------------------|---------------------------------|---------------------------|---------------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Class B 3M Radiation | Ant. Polarization: | Horizontal |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 10:13:04 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%) | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | MRP-62.64-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 30.0000 | -1.31 | 25.48 | 24.17 | 40.00 | -15.83 | QP | 100 | 123 | |
| 2 | 130.8799 | -8.05 | 32.12 | 24.07 | 43.50 | -19.43 | QP | 100 | 264 | |
| 3 | 363.6800 | -4.22 | 32.09 | 27.87 | 46.00 | -18.13 | QP | 100 | 59 | |
| 4 | 579.9900 | -1.12 | 29.71 | 28.59 | 46.00 | -17.41 | QP | 100 | 96 | |
| 5 | 756.5299 | 1.54 | 38.95 | 40.49 | 46.00 | -5.51 | QP | 100 | 115 | |
| 6 | 989.3300 | 5.05 | 27.63 | 32.68 | 54.00 | -21.32 | QP | 100 | 64 | |



| | | | |
|-----------------------|---------------------------------|---------------------------|---------------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Class B 3M Radiation | Ant. Polarization: | Vertical |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 10:14:07 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%) | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | MRP-62.64-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 30.0000 | -1.31 | 26.65 | 25.34 | 40.00 | -14.66 | QP | 100 | 27 | |
| 2 | 105.6600 | -9.87 | 38.34 | 28.47 | 43.50 | -15.03 | QP | 100 | 203 | |
| 3 | 746.8300 | 1.36 | 32.06 | 33.42 | 46.00 | -12.58 | QP | 100 | 147 | |
| 4 | 756.5300 | 1.54 | 38.57 | 40.11 | 46.00 | -5.89 | QP | 100 | 157 | |
| 5 | 924.3400 | 4.41 | 28.82 | 33.23 | 46.00 | -12.77 | QP | 100 | 166 | |
| 6 | 979.6300 | 5.07 | 28.29 | 33.36 | 54.00 | -20.64 | QP | 100 | 256 | |

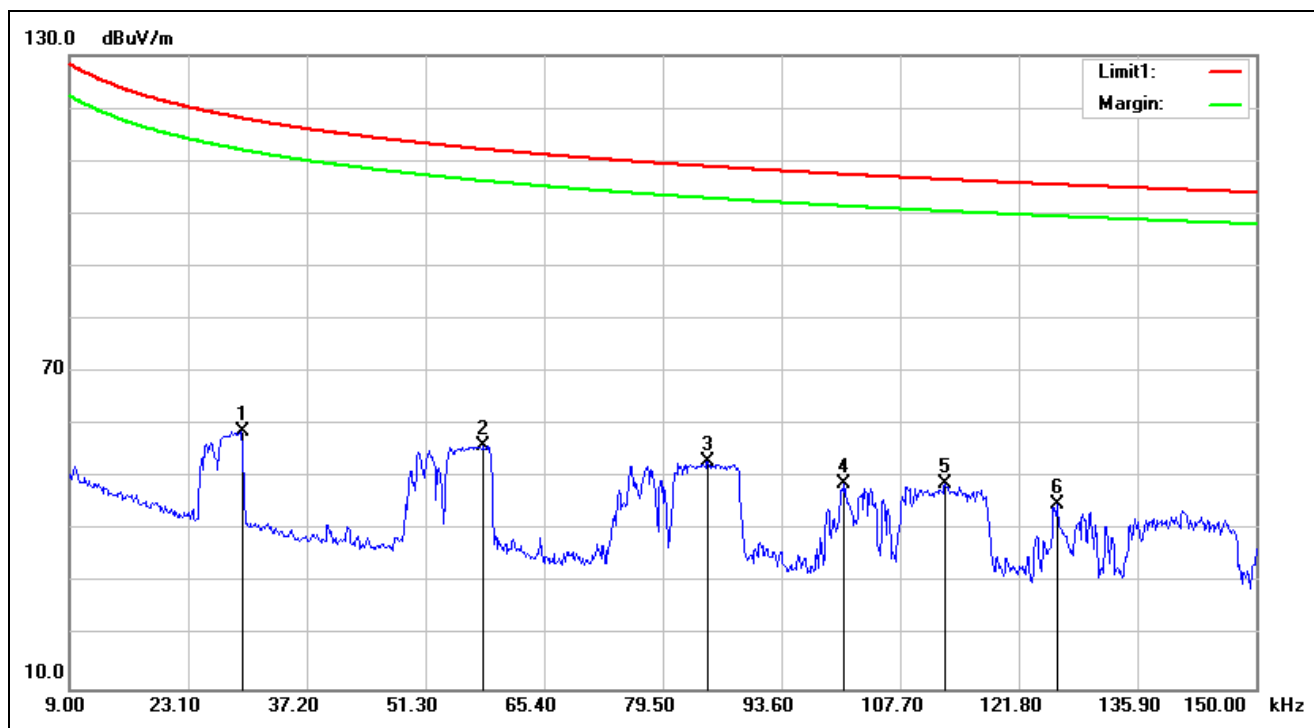
Spurious Emissions, TX Mode, 9k-30M



TUV Rheinland Taiwan Ltd.

11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

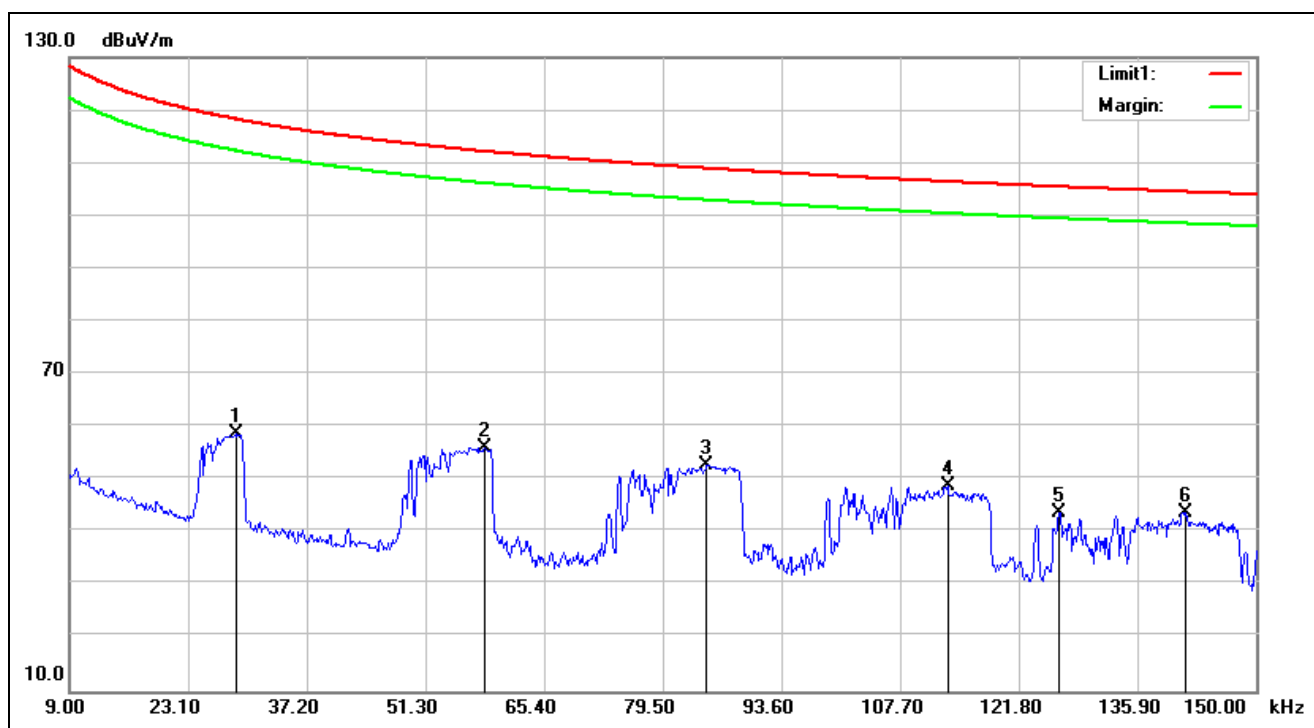
Tel:+886-2172-7000 fax:+886-2528-0018



| | | | |
|-----------------------|----------------------------|---------------------------|---------------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC2.8_9k-1G_3m | Ant. Polarization: | |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 10:20:11 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-60.48-TX | | |
| Remark: | | | |

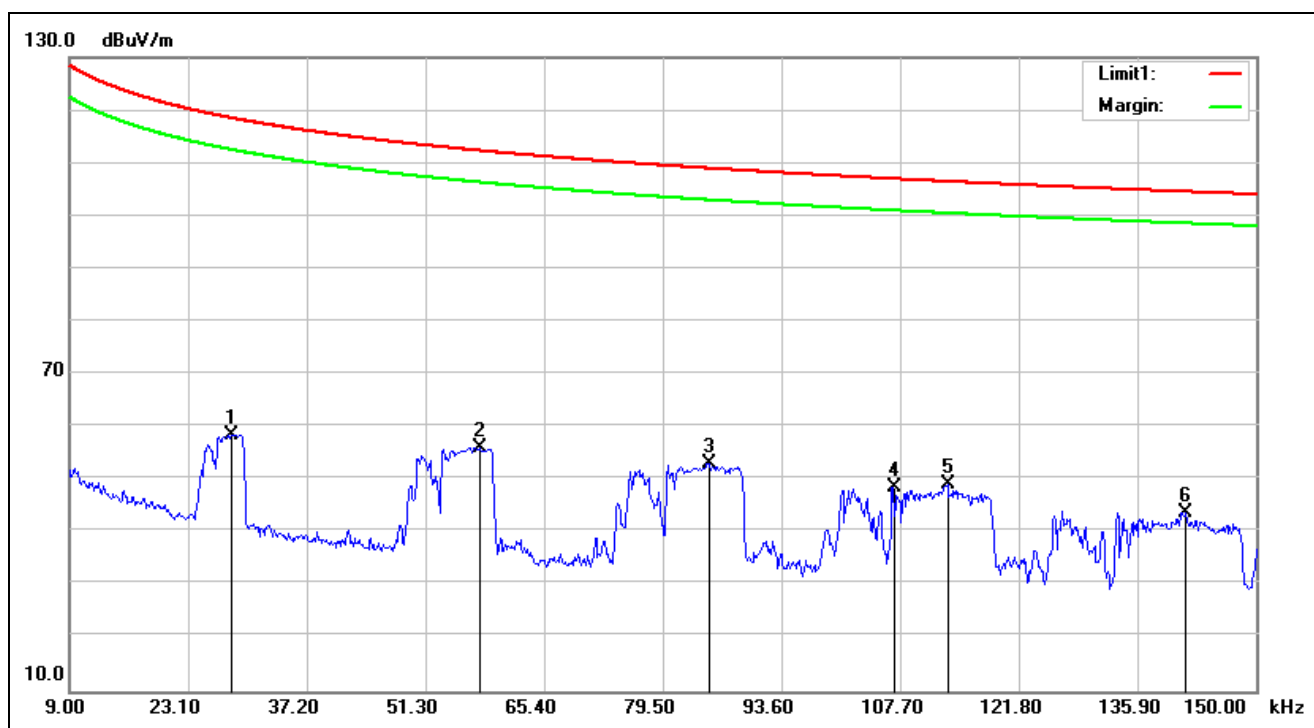
| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|---------------|--------|
| 1 | 0.0294 | 20.13 | 38.58 | 58.71 | 118.09 | -59.38 | QP | 100 | 168 | |
| 2 | 0.0582 | 19.38 | 36.54 | 55.92 | 112.19 | -56.27 | QP | 100 | 166 | |
| 3 | 0.0848 | 19.22 | 33.89 | 53.11 | 108.94 | -55.83 | QP | 100 | 173 | |
| 4 | 0.1010 | 19.13 | 29.59 | 48.72 | 107.43 | -58.71 | QP | 100 | 179 | |
| 5 | 0.1130 | 19.12 | 29.63 | 48.75 | 106.46 | -57.71 | QP | 100 | 181 | |
| 6 | 0.1263 | 19.10 | 25.83 | 44.93 | 105.50 | -60.57 | QP | 100 | 179 | |

Spurious Emissions, TX Mode, 30M-1G



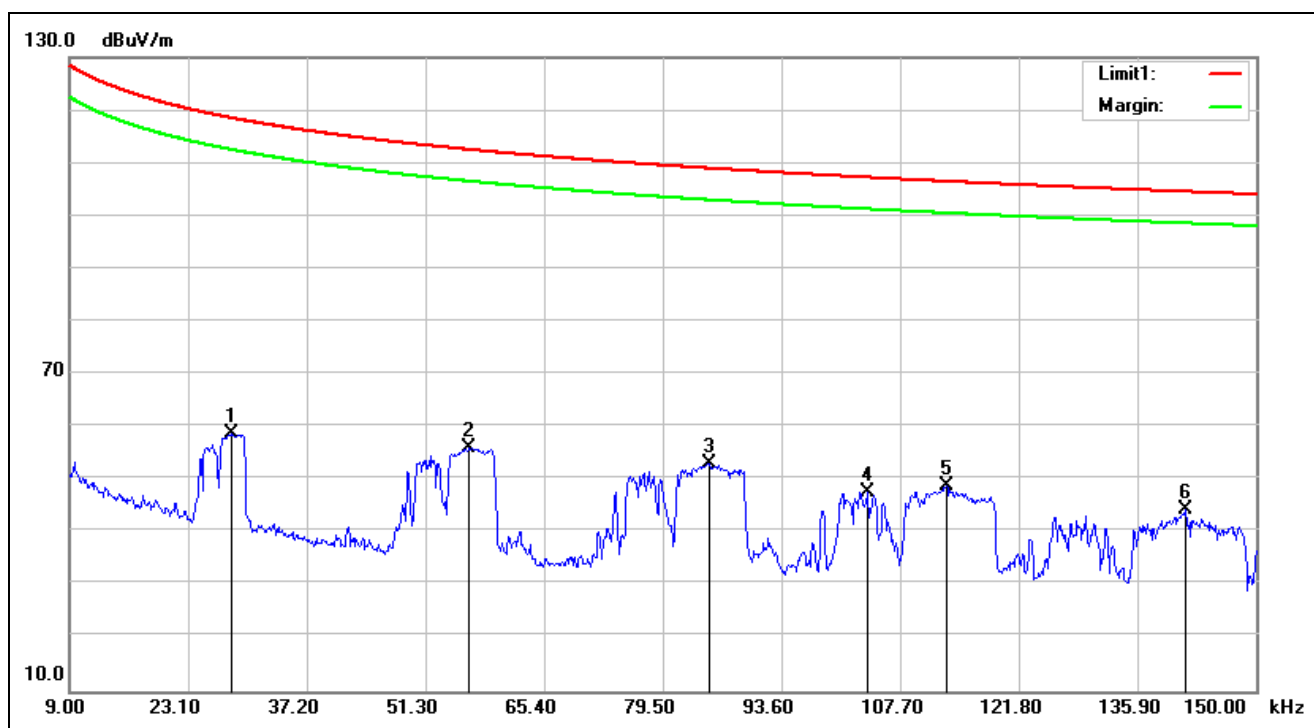
| | | | |
|-----------------------|----------------------------|---------------------------|---------------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC2.8_9k-1G_3m | Ant. Polarization: | |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 10:23:16 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-62.64-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 0.0287 | 20.12 | 38.57 | 58.69 | 118.29 | -59.60 | QP | 100 | 173 | |
| 2 | 0.0583 | 19.38 | 36.58 | 55.96 | 112.18 | -56.22 | QP | 100 | 171 | |
| 3 | 0.0847 | 19.22 | 33.62 | 52.84 | 108.95 | -56.11 | QP | 100 | 176 | |
| 4 | 0.1133 | 19.12 | 29.61 | 48.73 | 106.44 | -57.71 | QP | 100 | 173 | |
| 5 | 0.1265 | 19.10 | 24.55 | 43.65 | 105.49 | -61.84 | QP | 100 | 184 | |
| 6 | 0.1416 | 19.09 | 24.72 | 43.81 | 104.52 | -60.71 | QP | 100 | 168 | |



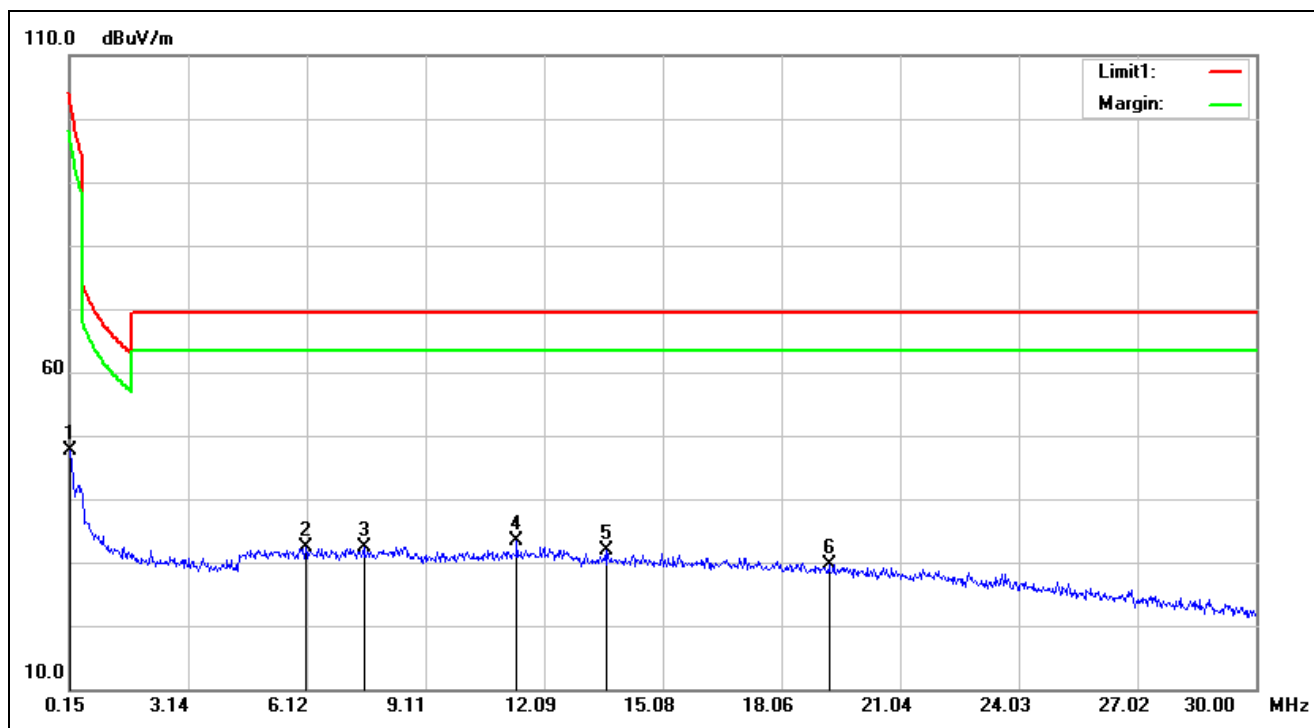
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|-----------------------|----------------------------|---------------------------|---------------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC2.8_9k-1G_3m | Ant. Polarization: | |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 10:21:14 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%) | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | MRP-60.48-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 0.0283 | 20.11 | 38.48 | 58.59 | 118.49 | -59.90 | QP | 100 | 171 | |
| 2 | 0.0578 | 19.38 | 36.69 | 56.07 | 112.30 | -56.23 | QP | 100 | 176 | |
| 3 | 0.0850 | 19.22 | 33.94 | 53.16 | 108.96 | -55.80 | QP | 100 | 171 | |
| 4 | 0.1069 | 19.12 | 29.58 | 48.70 | 106.98 | -58.28 | QP | 100 | 174 | |
| 5 | 0.1133 | 19.12 | 29.93 | 49.05 | 106.48 | -57.43 | QP | 100 | 171 | |
| 6 | 0.1417 | 19.09 | 24.75 | 43.84 | 104.54 | -60.70 | QP | 100 | 171 | |



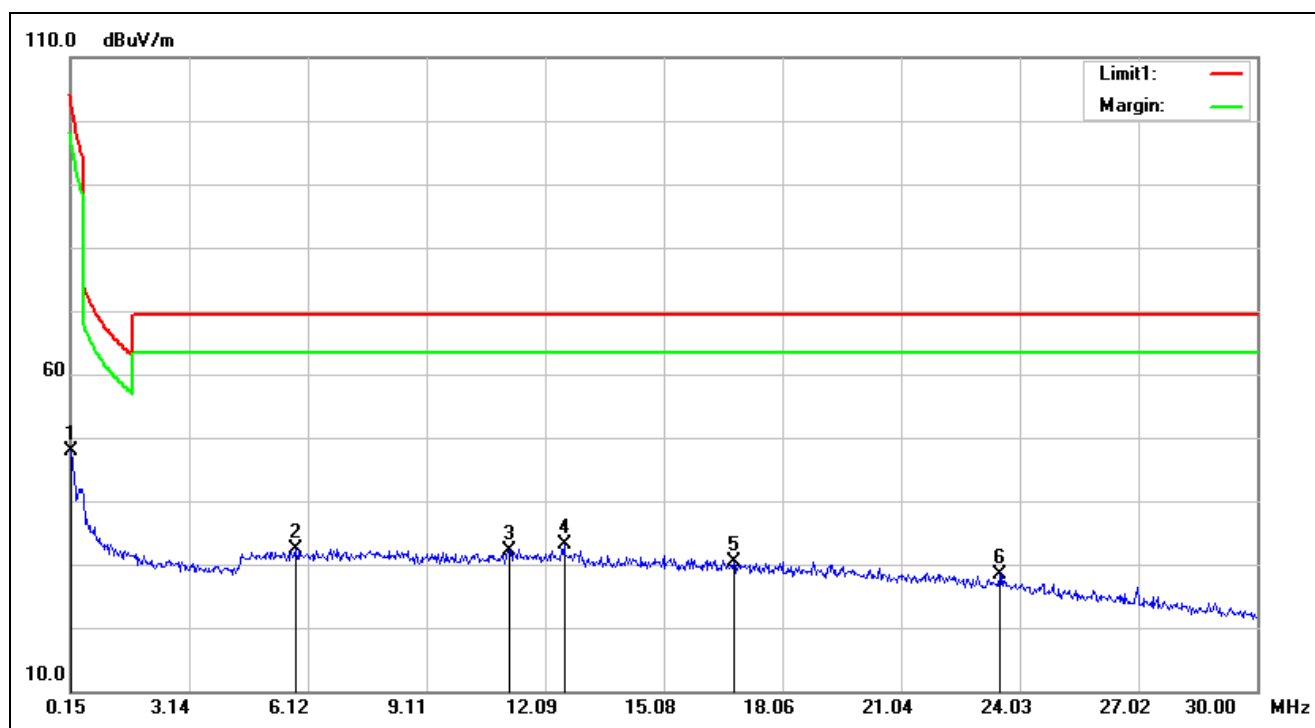
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|-----------------------|----------------------------|---------------------------|---------------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC2.8_9k-1G_3m | Ant. Polarization: | |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 10:24:20 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | MRP-62.64-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|------------------|--------|
| 1 | 0.0282 | 20.11 | 38.58 | 58.69 | 118.52 | -59.83 | QP | 100 | 171 | |
| 2 | 0.0565 | 19.39 | 36.71 | 56.10 | 112.50 | -56.40 | QP | 100 | 174 | |
| 3 | 0.0849 | 19.22 | 33.81 | 53.03 | 108.97 | -55.94 | QP | 100 | 174 | |
| 4 | 0.1038 | 19.13 | 28.67 | 47.80 | 107.23 | -59.43 | QP | 100 | 184 | |
| 5 | 0.1132 | 19.12 | 29.71 | 48.83 | 106.48 | -57.65 | QP | 100 | 174 | |
| 6 | 0.1415 | 19.09 | 25.26 | 44.35 | 104.55 | -60.20 | QP | 100 | 176 | |



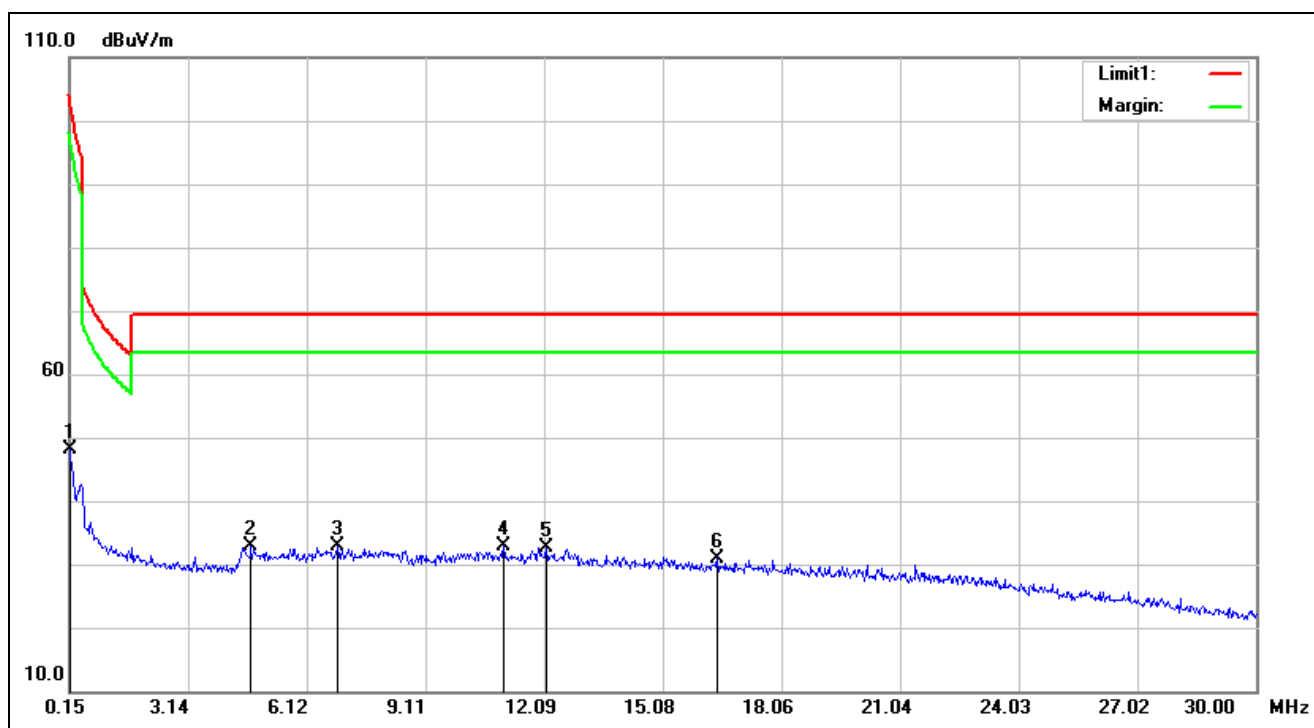
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|----------------|---------------------|--------------------|--------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC2.8_9k-1G_3m | Ant. Polarization: | |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 10:26:56 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%) | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-60.48-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 0.1499 | 19.08 | 28.53 | 47.61 | 104.02 | -56.41 | QP | 100 | 197 | |
| 2 | 6.0901 | 19.86 | 12.43 | 32.29 | 69.50 | -37.21 | QP | 100 | 147 | |
| 3 | 7.5528 | 19.99 | 12.45 | 32.44 | 69.50 | -37.06 | QP | 100 | 122 | |
| 4 | 11.4034 | 20.47 | 12.87 | 33.34 | 69.50 | -36.16 | QP | 100 | 304 | |
| 5 | 13.6720 | 20.86 | 11.11 | 31.97 | 69.50 | -37.53 | QP | 100 | 253 | |
| 6 | 19.2540 | 21.85 | 7.88 | 29.73 | 69.50 | -39.77 | QP | 100 | 298 | |



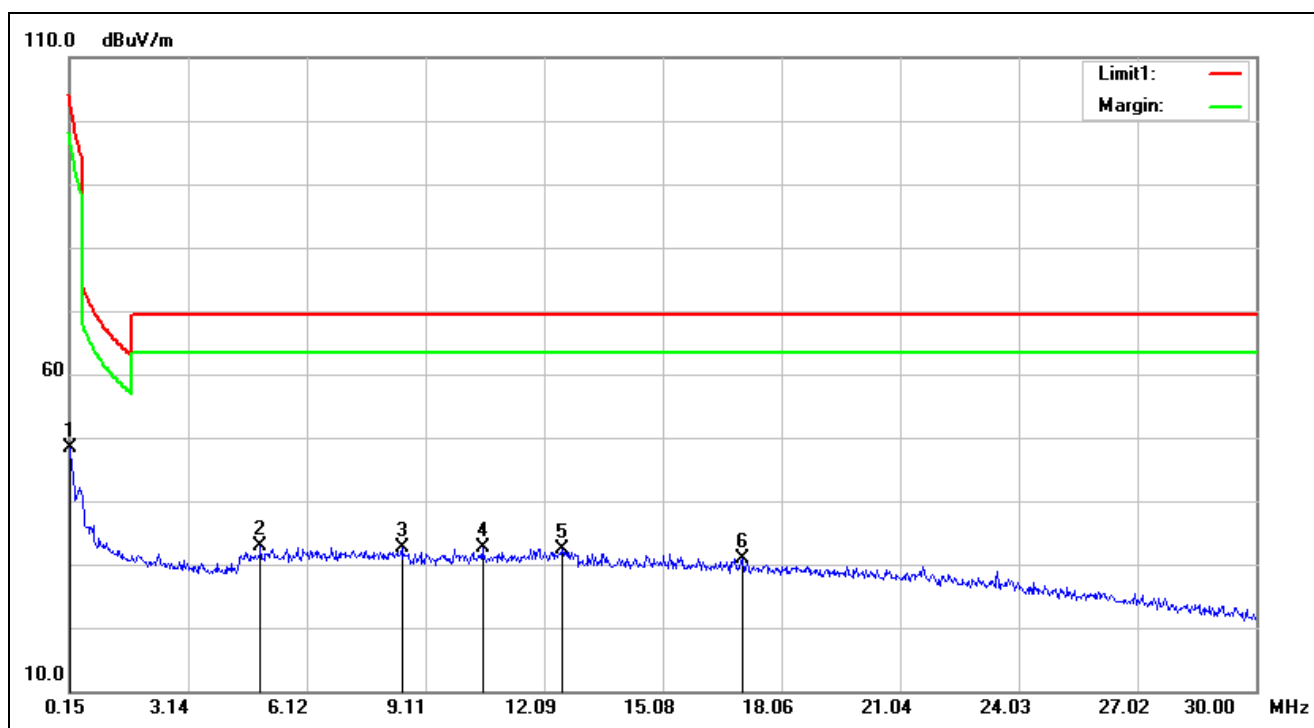
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|----------------|---------------------|--------------------|--------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC2.8_9k-1G_3m | Ant. Polarization: | |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 10:29:44 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%) | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-62.64-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 0.1499 | 19.08 | 28.73 | 47.81 | 104.02 | -56.21 | QP | 100 | 173 | |
| 2 | 5.8215 | 19.84 | 12.62 | 32.46 | 69.50 | -37.04 | QP | 100 | 285 | |
| 3 | 11.1944 | 20.43 | 11.75 | 32.18 | 69.50 | -37.32 | QP | 100 | 269 | |
| 4 | 12.5676 | 20.68 | 12.51 | 33.19 | 69.50 | -36.31 | QP | 100 | 75 | |
| 5 | 16.8361 | 21.42 | 9.00 | 30.42 | 69.50 | -39.08 | QP | 100 | 171 | |
| 6 | 23.5224 | 22.22 | 6.24 | 28.46 | 69.50 | -41.04 | QP | 100 | 150 | |



| | | | |
|-----------------------|----------------------------|---------------------------|---------------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC2.8_9k-1G_3m | Ant. Polarization: | |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 10:28:00 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | MRP-60.48-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 0.1500 | 19.08 | 29.14 | 48.22 | 104.05 | -55.83 | QP | 100 | 193 | |
| 2 | 4.7171 | 19.58 | 13.40 | 32.98 | 69.50 | -36.52 | QP | 100 | 30 | |
| 3 | 6.8961 | 19.93 | 12.89 | 32.82 | 69.50 | -36.68 | QP | 100 | 1 | |
| 4 | 11.0751 | 20.41 | 12.42 | 32.83 | 69.50 | -36.67 | QP | 100 | 80 | |
| 5 | 12.1497 | 20.60 | 12.07 | 32.67 | 69.50 | -36.83 | QP | 100 | 40 | |
| 6 | 16.4481 | 21.36 | 9.46 | 30.82 | 69.50 | -38.68 | QP | 100 | 349 | |



| | | | |
|----------------|---------------------|--------------------|--------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC2.8_9k-1G_3m | Ant. Polarization: | |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 10:30:48 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%) | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | MRP-62.64-TX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 0.1500 | 19.08 | 29.40 | 48.48 | 104.05 | -55.57 | QP | 100 | 189 | |
| 2 | 4.9558 | 19.73 | 13.10 | 32.83 | 69.50 | -36.67 | QP | 100 | 38 | |
| 3 | 8.5080 | 20.08 | 12.52 | 32.60 | 69.50 | -36.90 | QP | 100 | 131 | |
| 4 | 10.5378 | 20.31 | 12.24 | 32.55 | 69.50 | -36.95 | QP | 100 | 35 | |
| 5 | 12.5378 | 20.67 | 11.61 | 32.28 | 69.50 | -37.22 | QP | 100 | 38 | |
| 6 | 17.0750 | 21.47 | 9.43 | 30.90 | 69.50 | -38.60 | QP | 100 | 211 | |

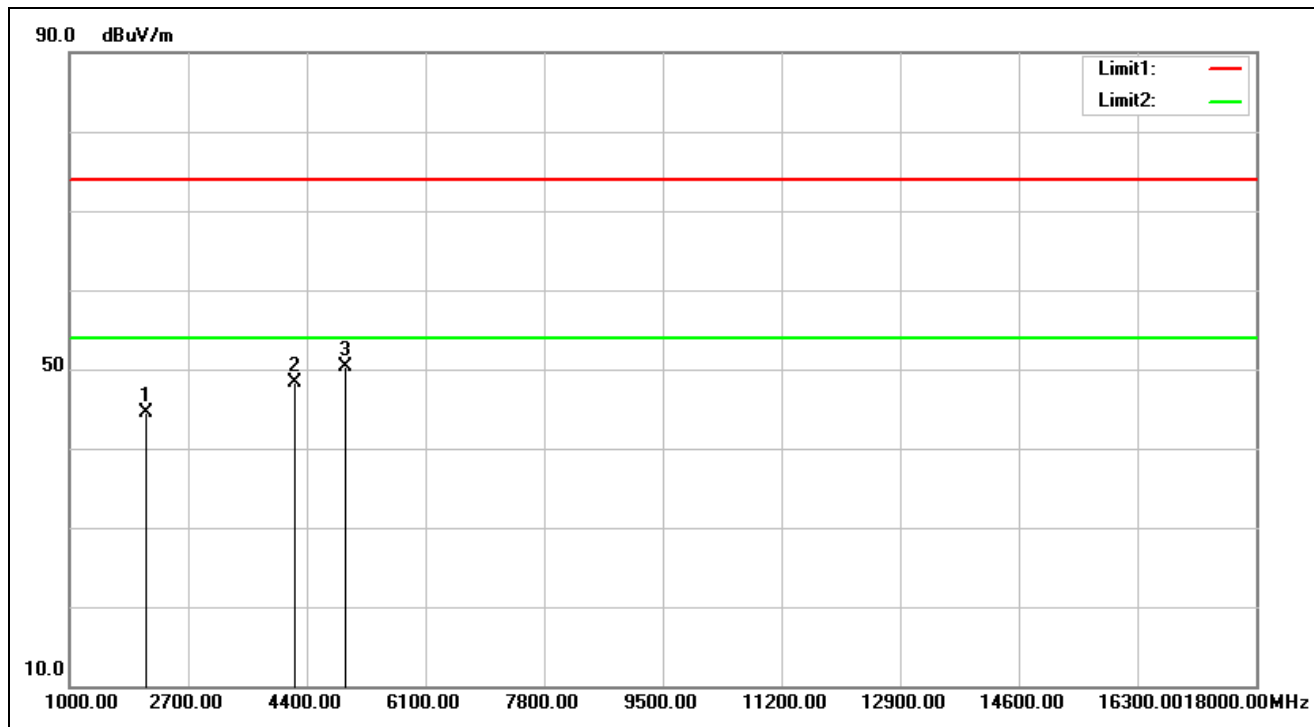
Spurious Emissions, RX Mode, 1-18G



TUV Rheinland Taiwan Ltd.

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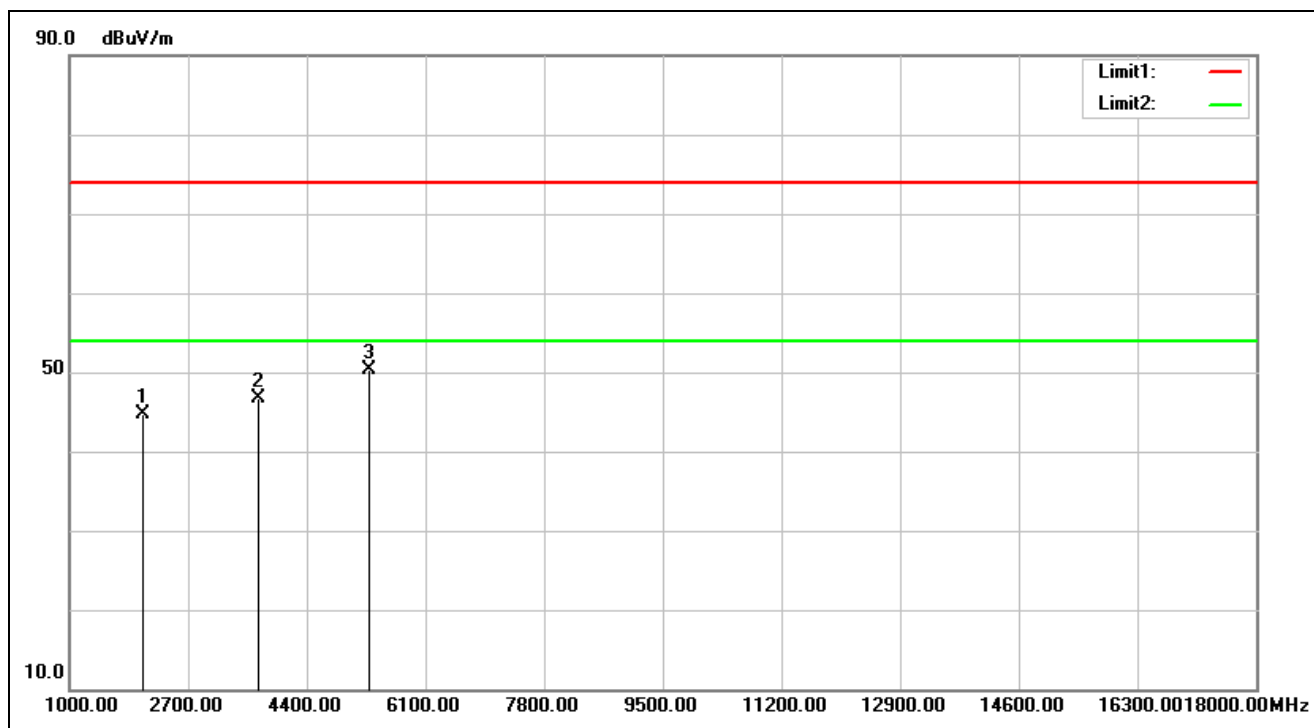
Tel: +886-2172-7000 fax: +886-2528-0018



| | | | |
|----------------|---------------------|--------------------|--------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Horizontal |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 11:23:40 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%) | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-60.48-RX | | |
| Remark: | | | |

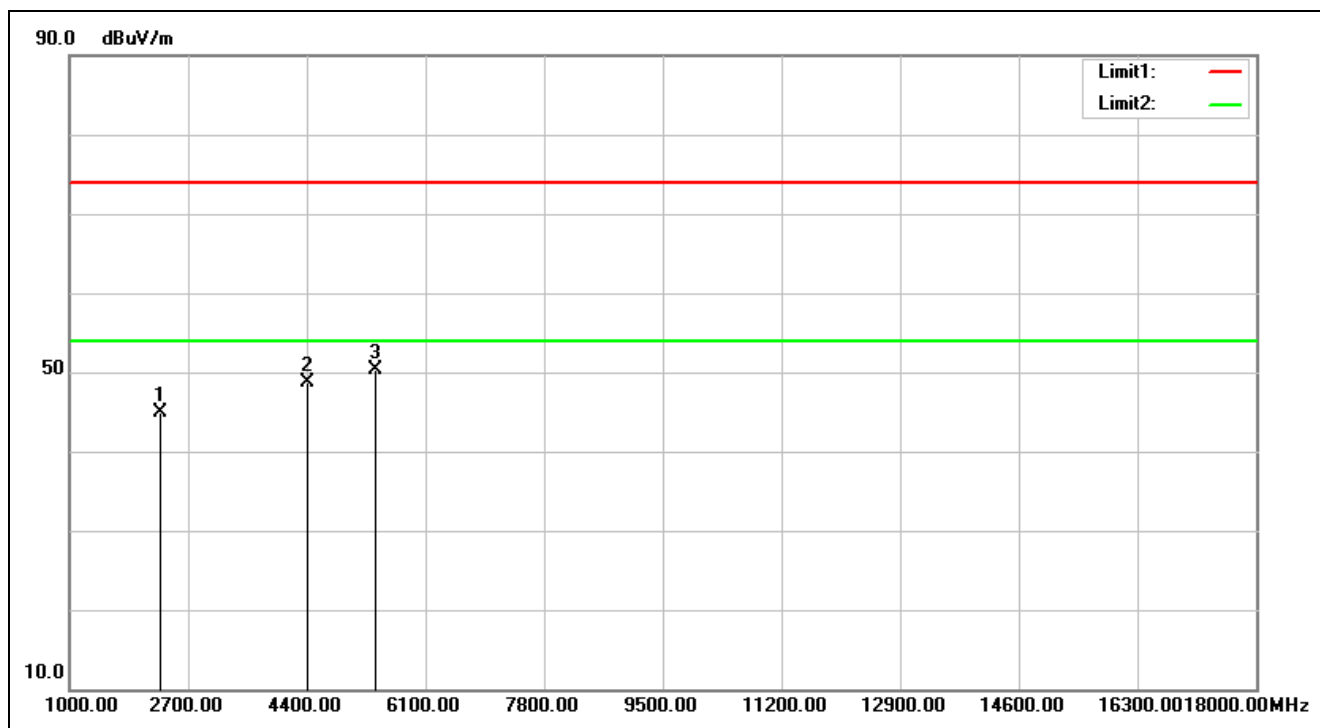
| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 2105.000 | -5.99 | 50.42 | 44.43 | 74.00 | -29.57 | peak | 100 | 124 | |
| 2 | 4230.000 | -2.07 | 50.31 | 48.24 | 74.00 | -25.76 | peak | 100 | 72 | |
| 3 | 4961.000 | -0.09 | 50.32 | 50.23 | 74.00 | -23.77 | peak | 100 | 60 | |

Spurious Emissions, RX Mode, 18-26G



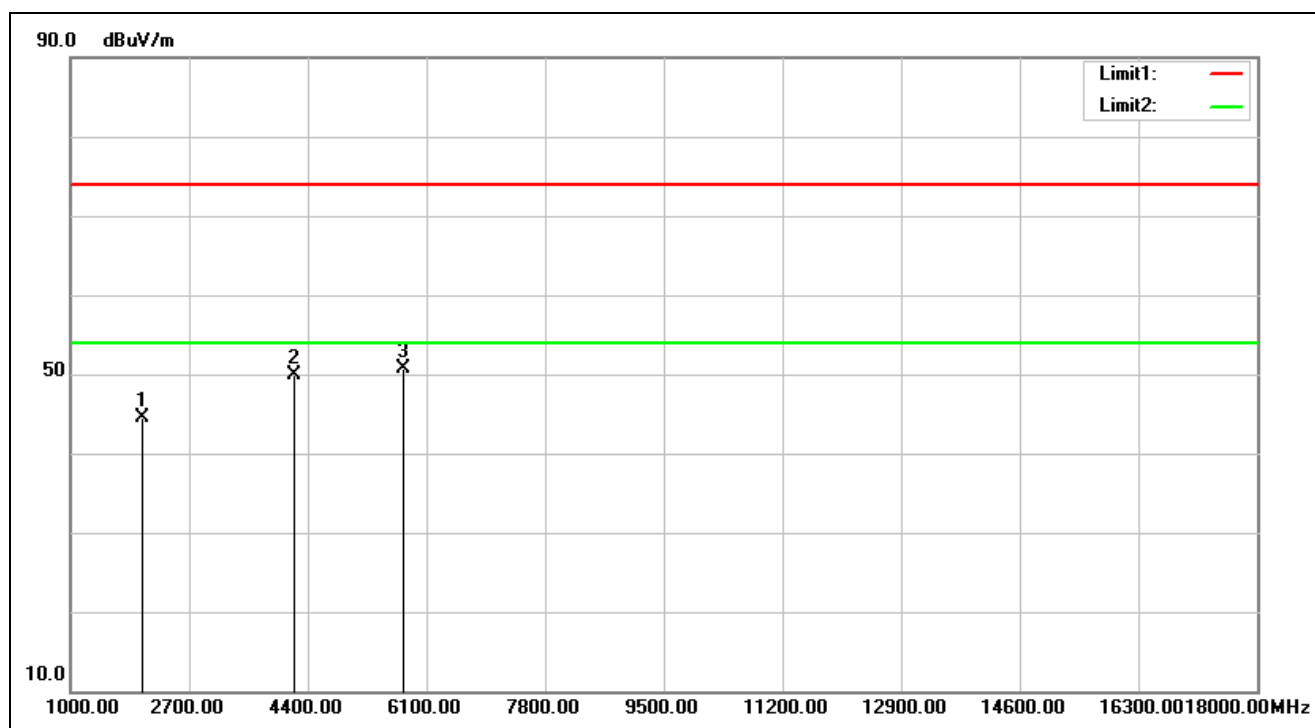
| | | | |
|-----------------------|----------------------------|---------------------------|---------------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Vertical |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 11:24:43 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-60.48-RX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 2054.000 | -6.00 | 50.70 | 44.70 | 74.00 | -29.30 | peak | 100 | 26 | |
| 2 | 3703.000 | -3.71 | 50.51 | 46.80 | 74.00 | -27.20 | peak | 100 | 336 | |
| 3 | 5301.000 | 1.48 | 48.91 | 50.39 | 74.00 | -23.61 | peak | 100 | 214 | |



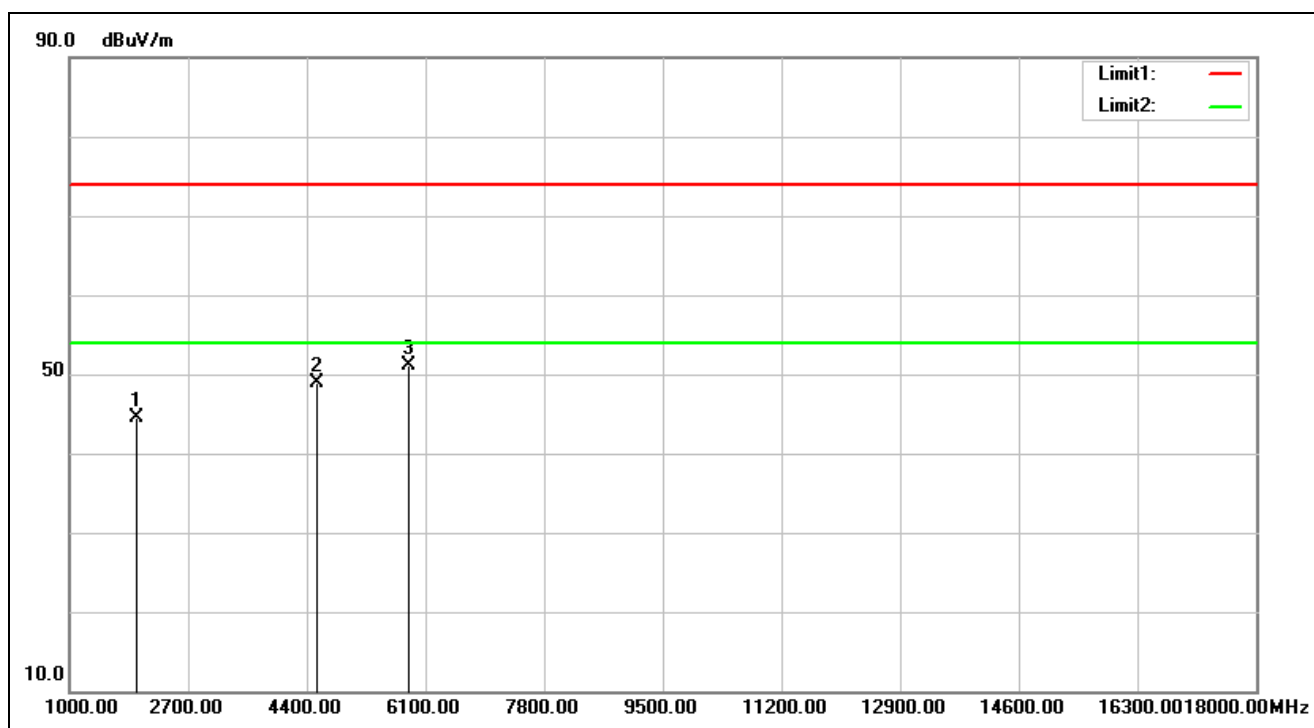
| | | | |
|----------------|---------------------|--------------------|--------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Horizontal |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 11:30:23 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-62.64-RX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 2292.000 | -5.91 | 50.79 | 44.88 | 74.00 | -29.12 | peak | 100 | 238 | |
| 2 | 4417.000 | -1.29 | 49.93 | 48.64 | 74.00 | -25.36 | peak | 100 | 52 | |
| 3 | 5386.000 | 1.90 | 48.36 | 50.26 | 74.00 | -23.74 | peak | 100 | 252 | |



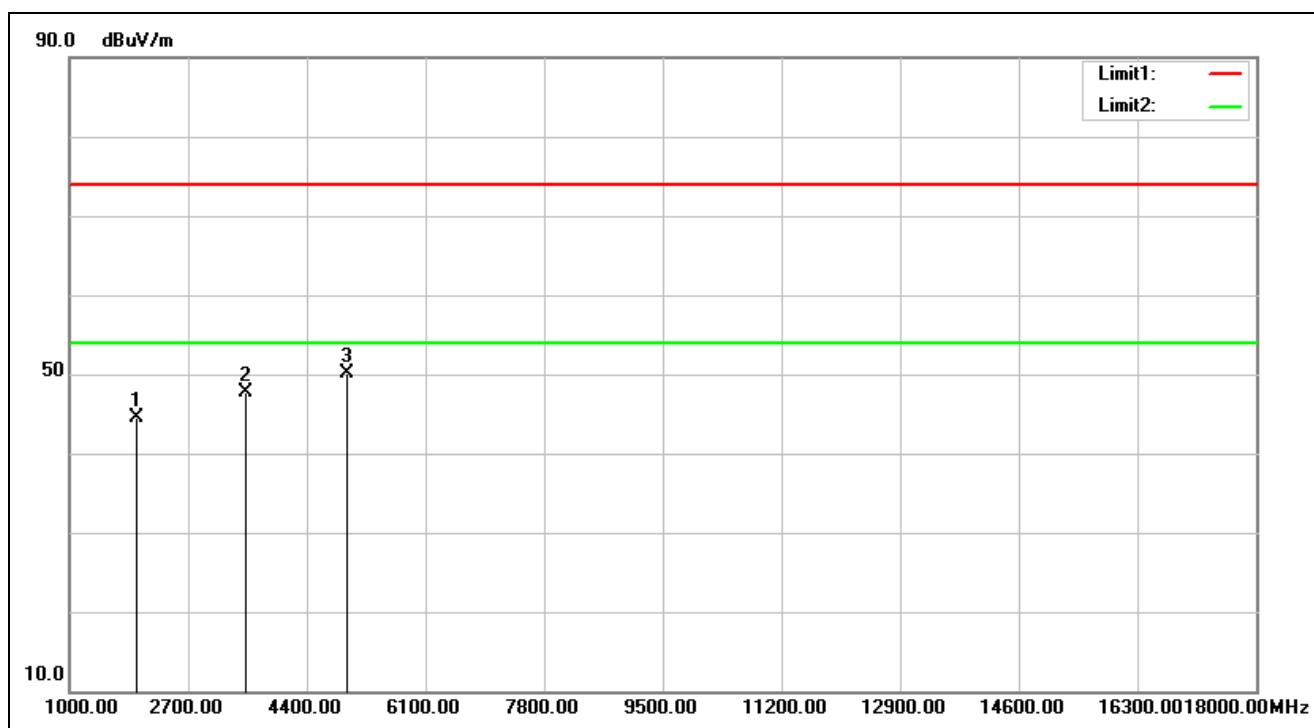
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|----------------|---------------------|--------------------|--------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Vertical |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 11:31:26 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-62.64-RX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 2037.000 | -6.00 | 50.52 | 44.52 | 74.00 | -29.48 | peak | 100 | 336 | |
| 2 | 4196.000 | -2.22 | 52.04 | 49.82 | 74.00 | -24.18 | peak | 100 | 97 | |
| 3 | 5760.000 | 4.24 | 46.45 | 50.69 | 74.00 | -23.31 | peak | 100 | 178 | |



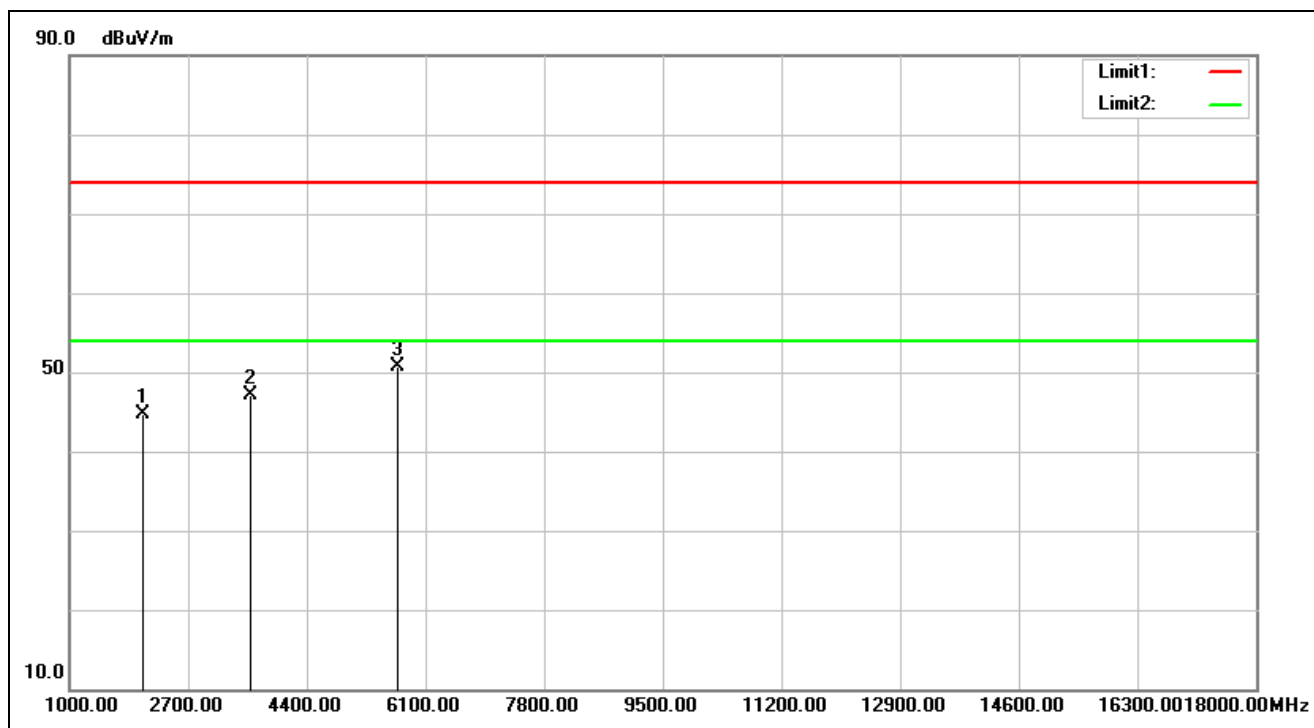
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|-----------------------|----------------------------|---------------------------|---------------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Horizontal |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 11:26:56 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | MRP-60.48-RX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 1952.000 | -6.37 | 50.97 | 44.60 | 74.00 | -29.40 | peak | 100 | 193 | |
| 2 | 4553.000 | -0.84 | 49.81 | 48.97 | 74.00 | -25.03 | peak | 100 | 183 | |
| 3 | 5862.000 | 4.94 | 46.25 | 51.19 | 74.00 | -22.81 | peak | 100 | 89 | |



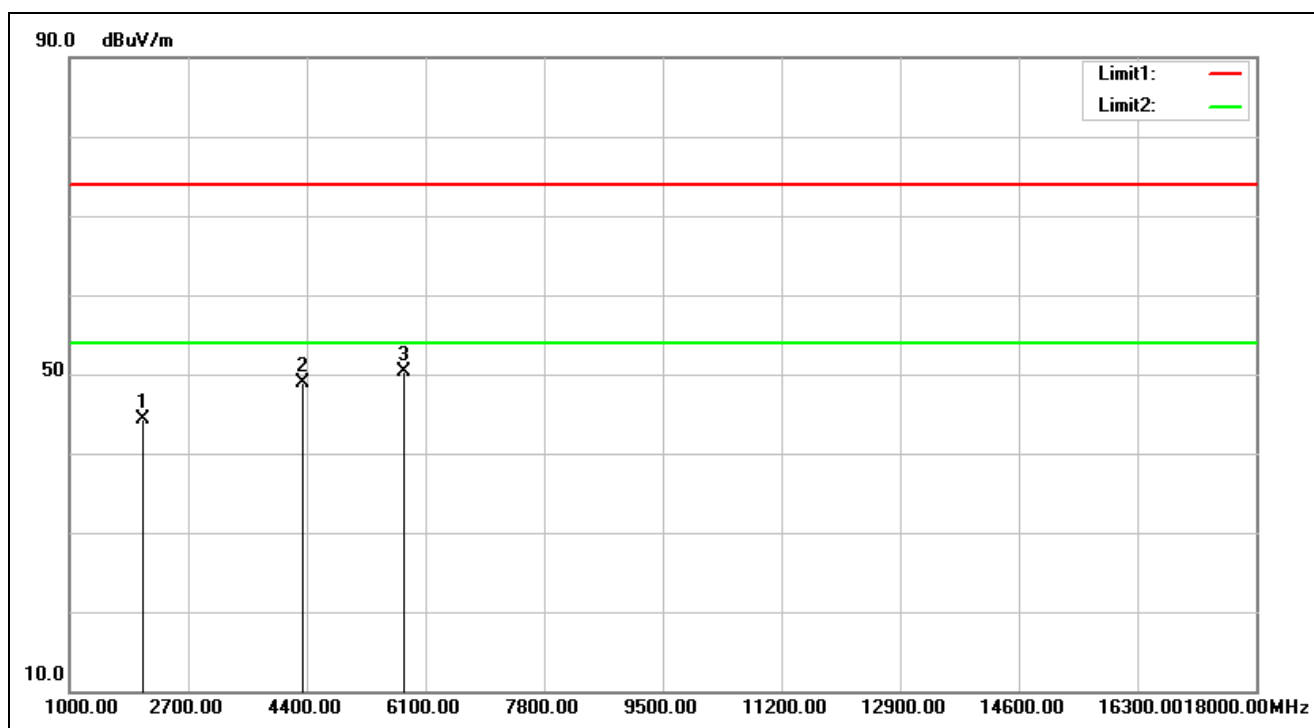
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|-----------------------|----------------------------|---------------------------|---------------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Vertical |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 11:27:59 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | MRP-60.48-RX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 1969.000 | -6.26 | 50.71 | 44.45 | 74.00 | -29.55 | peak | 100 | 291 | |
| 2 | 3533.000 | -4.10 | 51.90 | 47.80 | 74.00 | -26.20 | peak | 100 | 225 | |
| 3 | 4978.000 | -0.05 | 50.06 | 50.01 | 74.00 | -23.99 | peak | 100 | 170 | |



| | | | |
|-----------------------|----------------------------|---------------------------|---------------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Horizontal |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 11:32:54 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | MRP-62.64-RX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 2054.000 | -6.00 | 50.62 | 44.62 | 74.00 | -29.38 | peak | 100 | 30 | |
| 2 | 3601.000 | -3.95 | 51.14 | 47.19 | 74.00 | -26.81 | peak | 100 | 326 | |
| 3 | 5692.000 | 3.79 | 46.95 | 50.74 | 74.00 | -23.26 | peak | 100 | 260 | |



| | | | |
|-----------------------|----------------------------|---------------------------|---------------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Vertical |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 11:33:56 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | MRP-62.64-RX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 2054.000 | -6.00 | 50.39 | 44.39 | 74.00 | -29.61 | peak | 100 | 42 | |
| 2 | 4349.000 | -1.57 | 50.53 | 48.96 | 74.00 | -25.04 | peak | 100 | 92 | |
| 3 | 5794.000 | 4.47 | 45.78 | 50.25 | 74.00 | -23.75 | peak | 100 | 4 | |

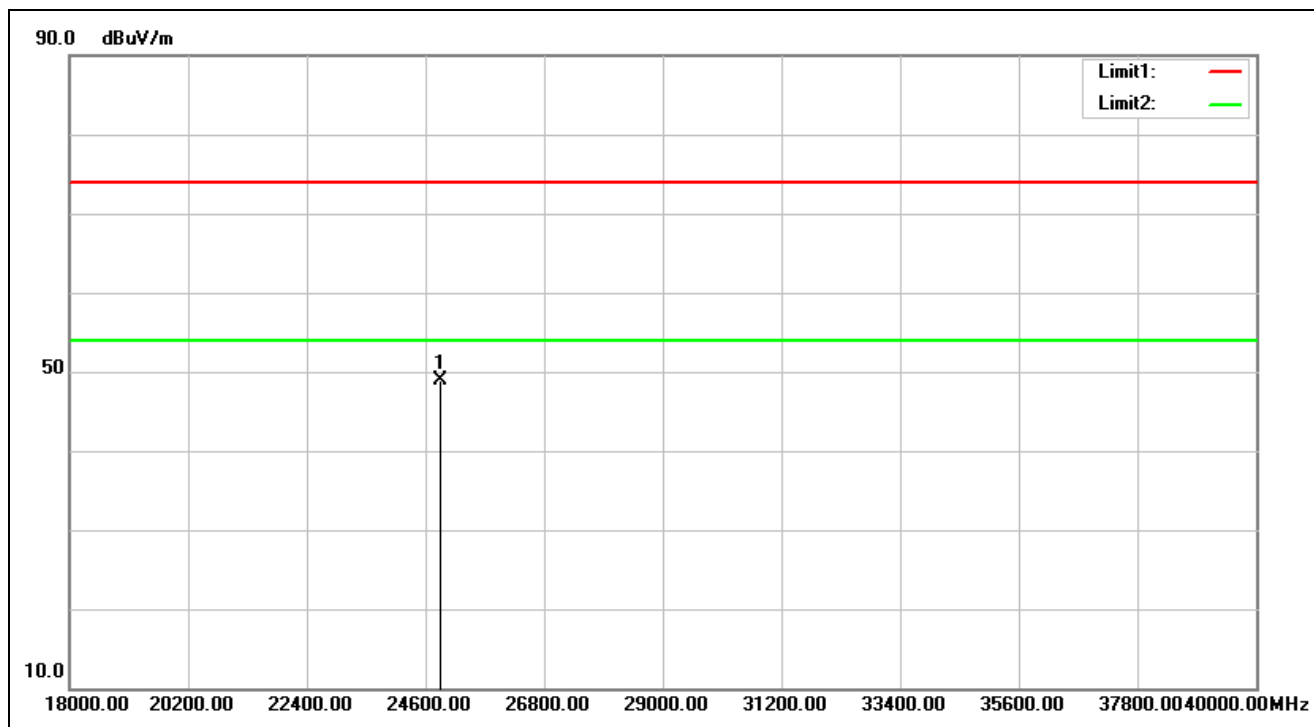
Spurious Emissions, RX Mode, 18-26G



TUV Rheinland Taiwan Ltd.

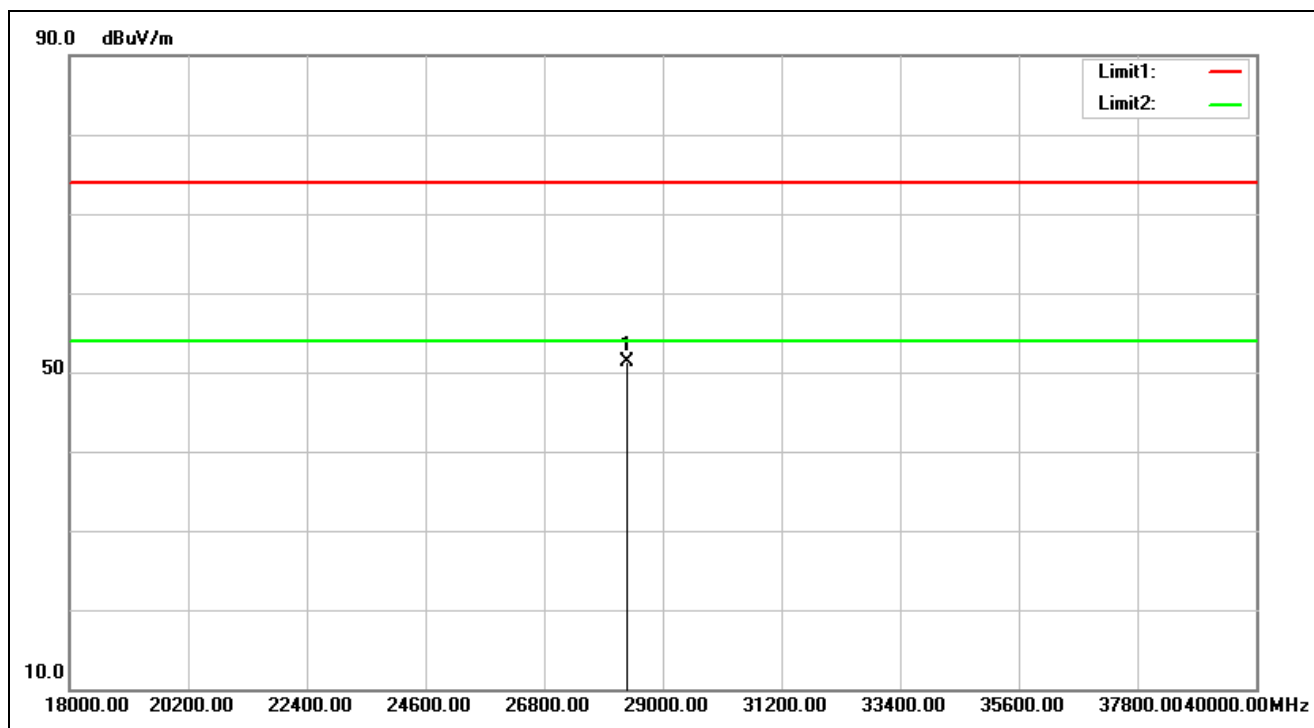
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

Tel: +886-2172-7000 fax: +886-2528-0018



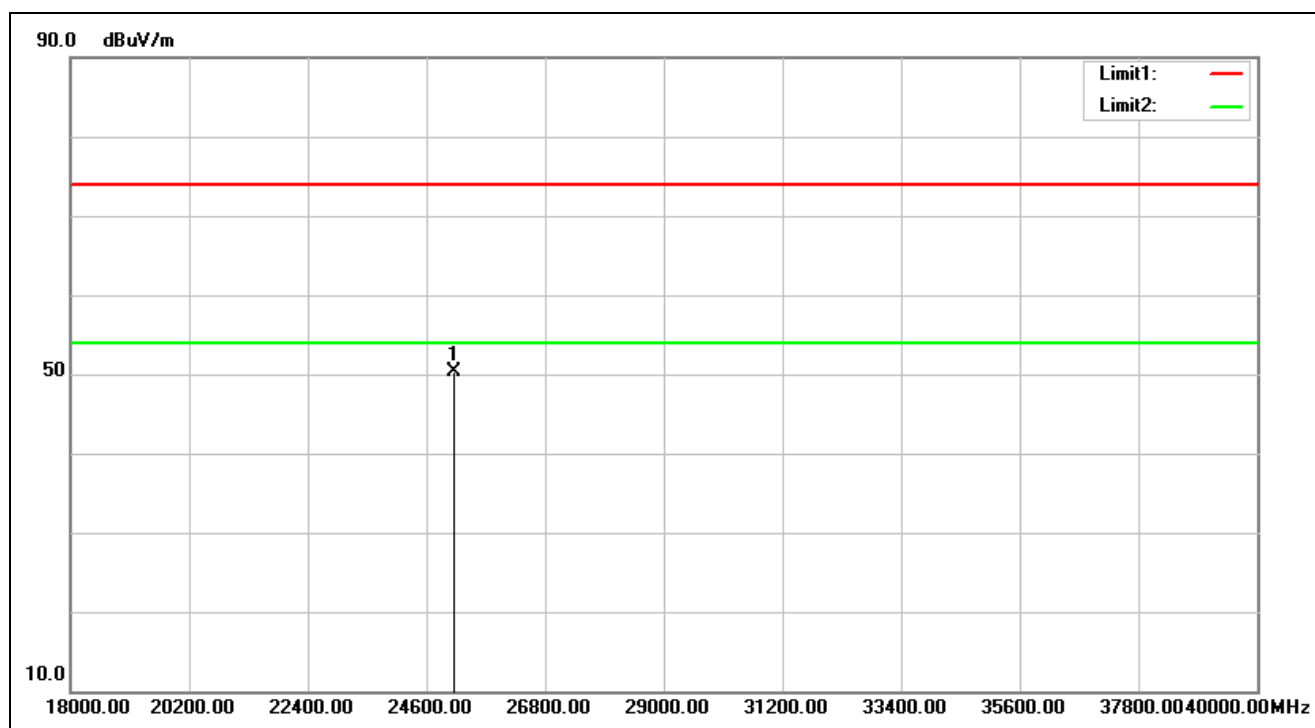
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|----------------|---------------------|--------------------|--------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Horizontal |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 13:07:04 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-60.48-RX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 24864.000 | 33.12 | 15.87 | 48.99 | 74.00 | -25.01 | peak | | | |



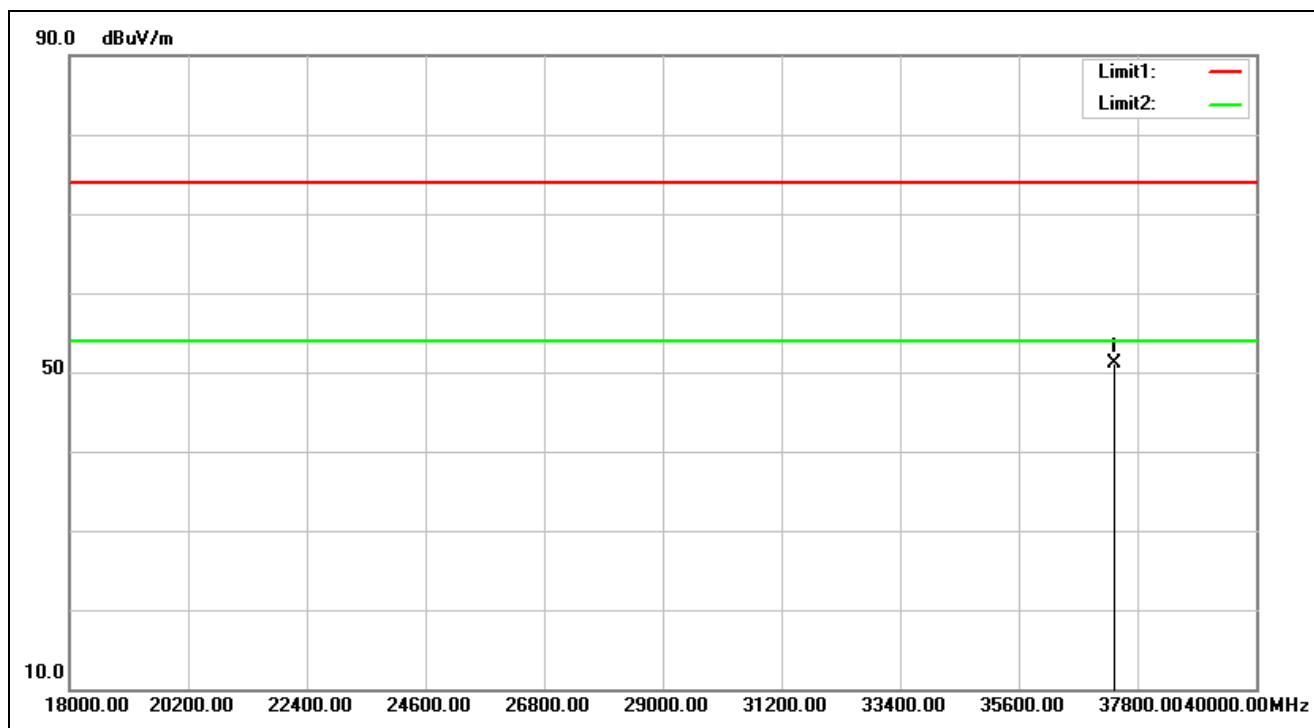
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|----------------|---------------------|--------------------|--------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Vertical |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 13:07:15 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-60.48-RX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 28340.000 | 36.30 | 14.99 | 51.29 | 74.00 | -22.71 | peak | | | |



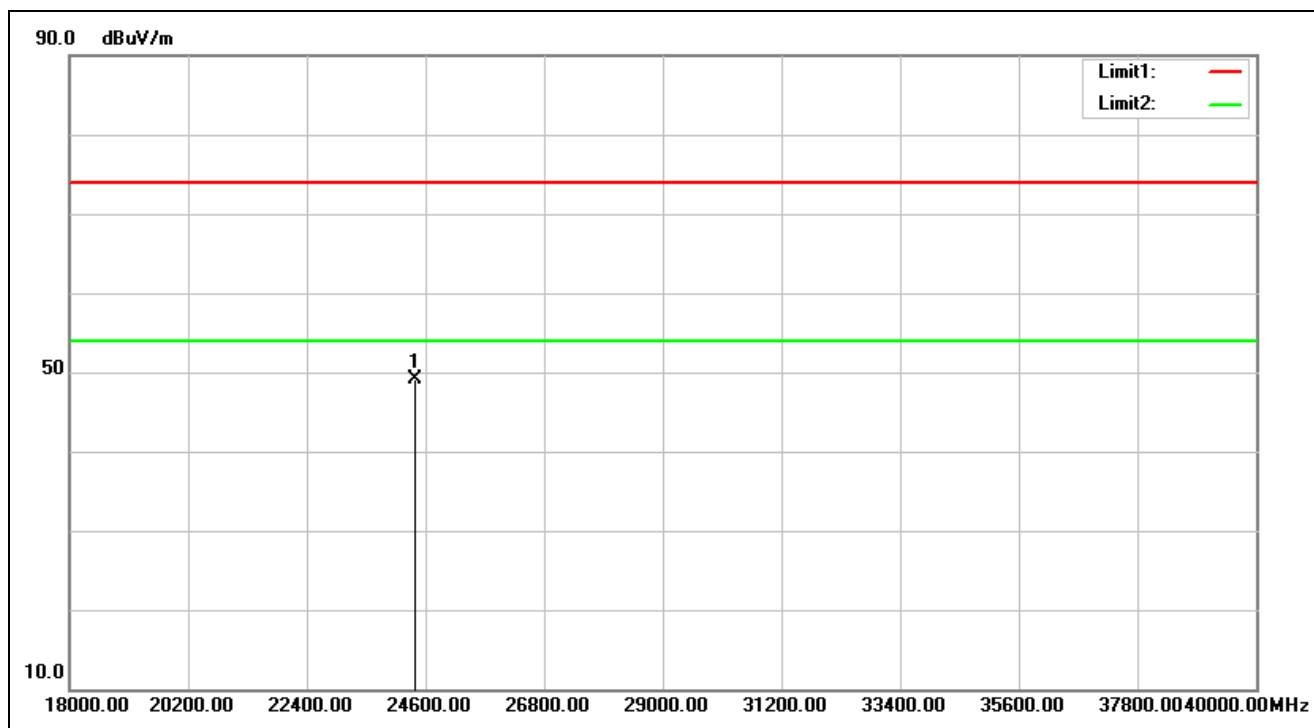
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|----------------|---------------------|--------------------|--------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Horizontal |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 13:07:57 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-62.64-RX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 25106.000 | 33.61 | 16.73 | 50.34 | 74.00 | -23.66 | peak | | | |



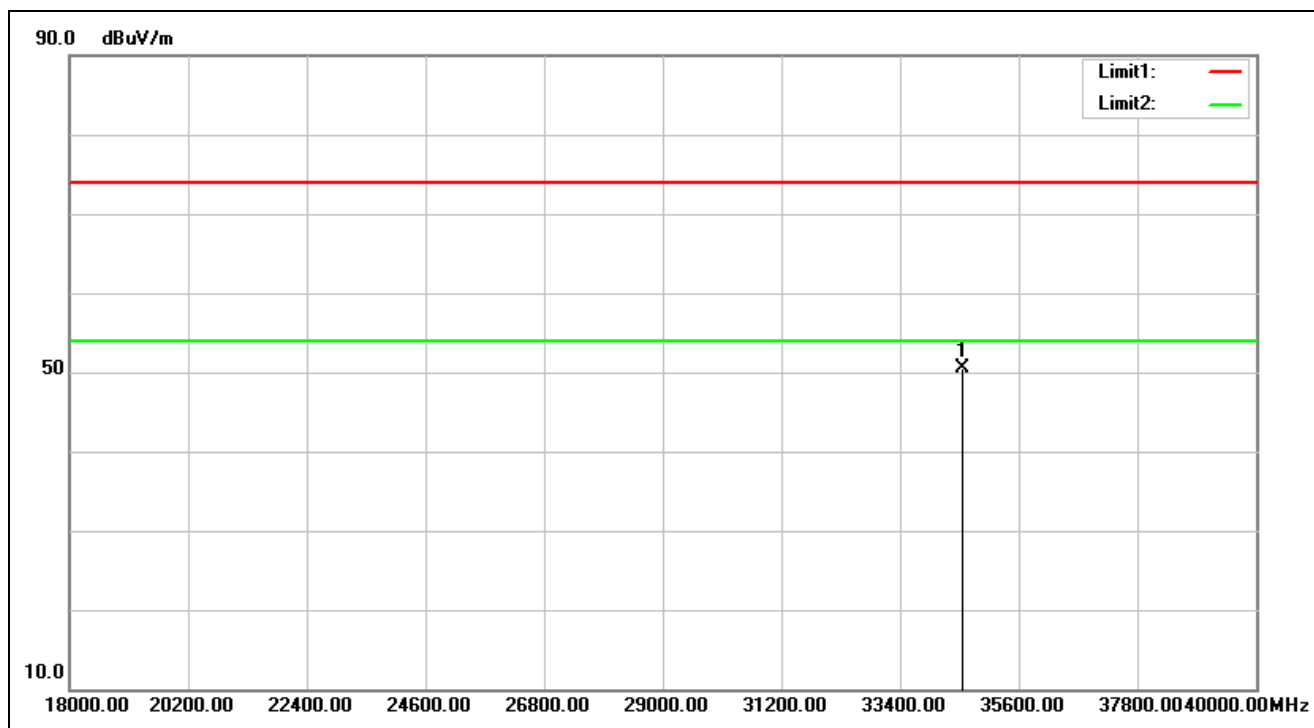
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|----------------|---------------------|--------------------|--------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Vertical |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 13:08:05 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-62.64-RX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 37360.000 | 40.09 | 11.09 | 51.18 | 74.00 | -22.82 | peak | | | |



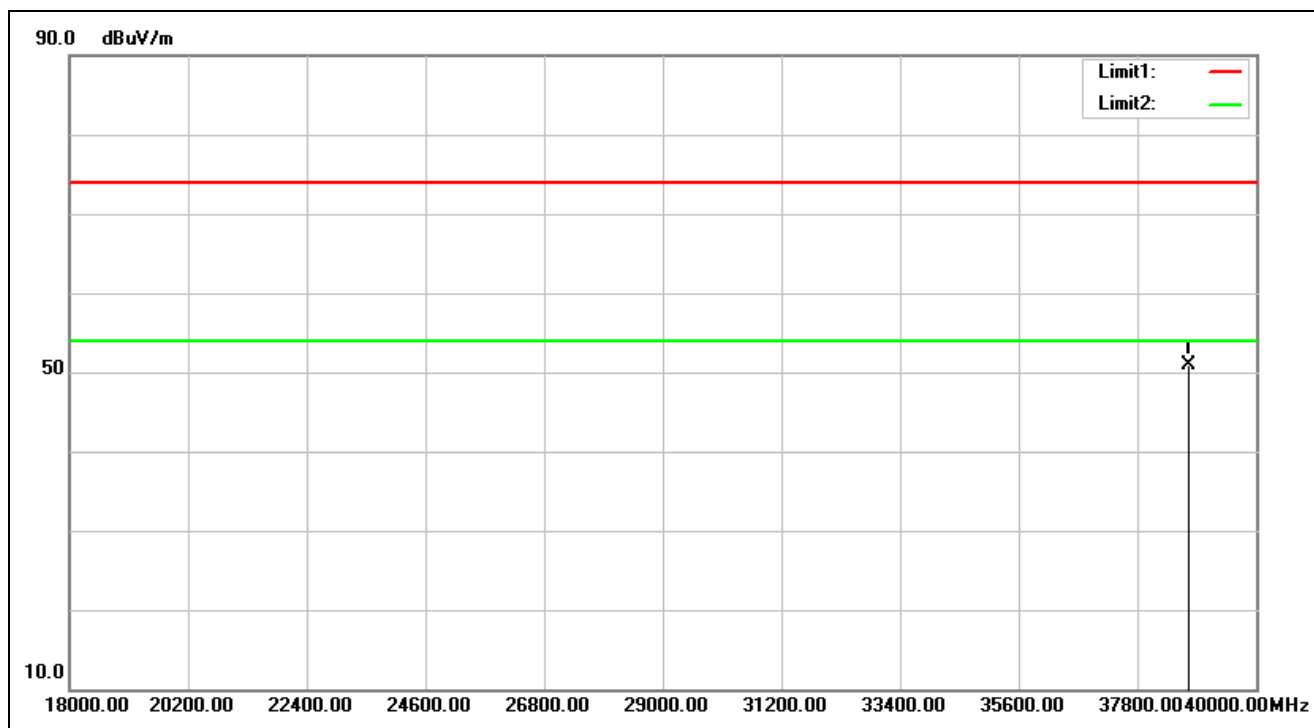
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|----------------|---------------------|--------------------|--------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Horizontal |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 13:07:31 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | MRP-60.48-RX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 24402.000 | 32.38 | 16.64 | 49.02 | 74.00 | -24.98 | peak | | | |



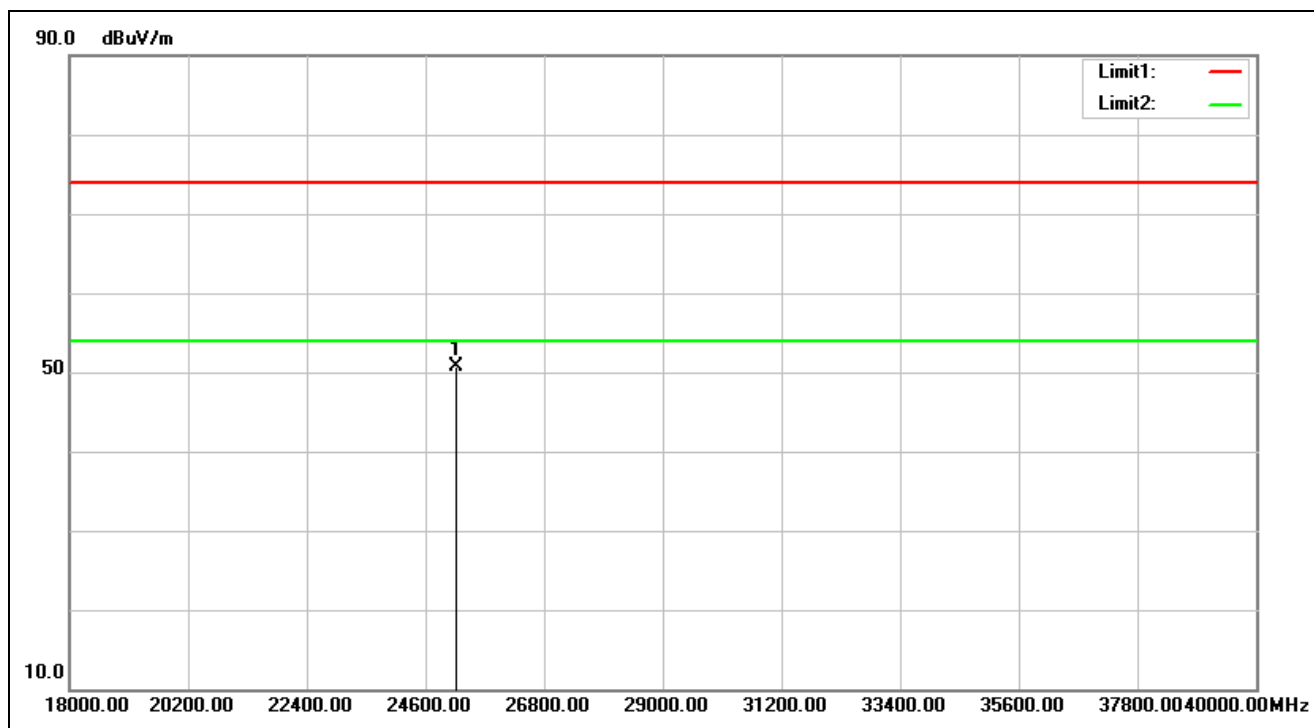
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|----------------|---------------------|--------------------|--------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Vertical |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 13:07:39 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | MRP-60.48-RX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 34544.000 | 39.51 | 11.02 | 50.53 | 74.00 | -23.47 | peak | | | |



| | | | |
|-----------------------|----------------------------|---------------------------|---------------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Horizontal |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 13:08:16 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | MRP-62.64-RX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|------------------|--------|
| 1 | 38746.000 | 39.27 | 11.73 | 51.00 | 74.00 | -23.00 | peak | | | |



| | | | |
|----------------|---------------------|--------------------|--------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Above 1G PEAK | Ant. Polarization: | Vertical |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 13:08:54 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | MRP-62.64-RX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 25172.000 | 33.78 | 16.95 | 50.73 | 74.00 | -23.27 | peak | | | |

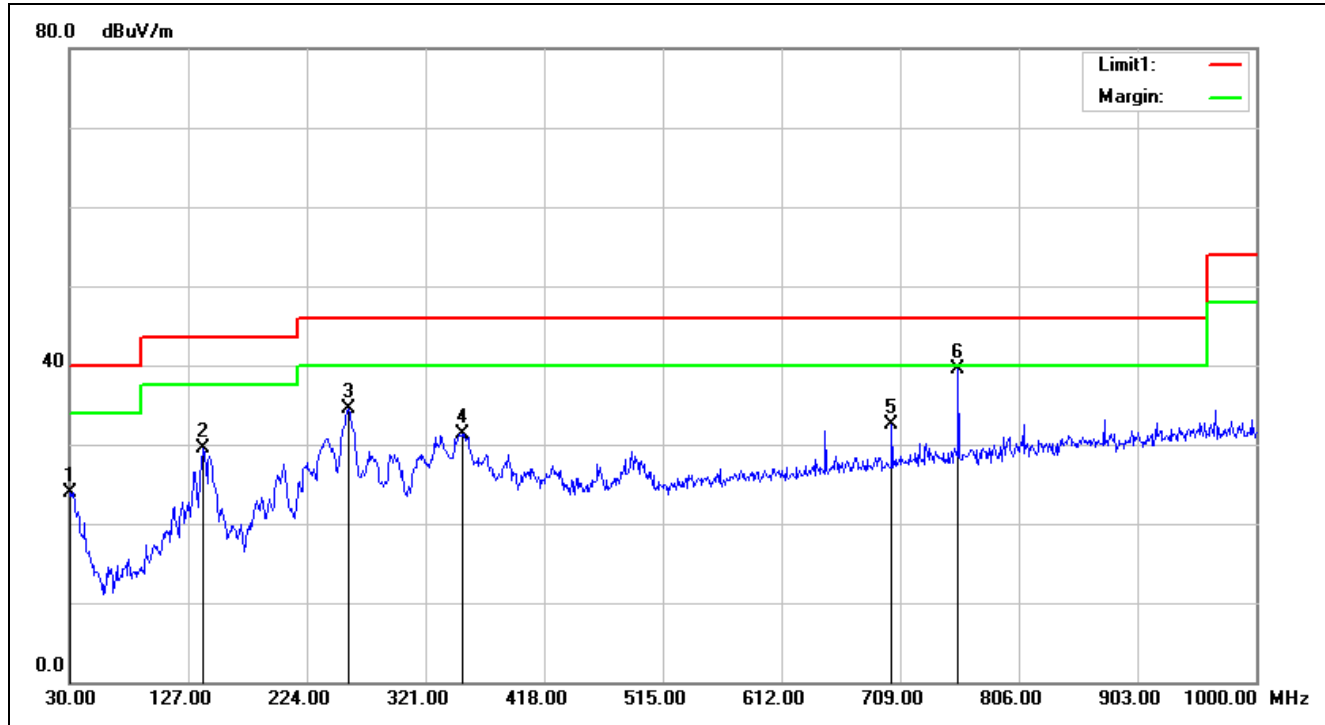
Spurious Emissions, RX Mode, 30M-1G



TUV Rheinland Taiwan Ltd.

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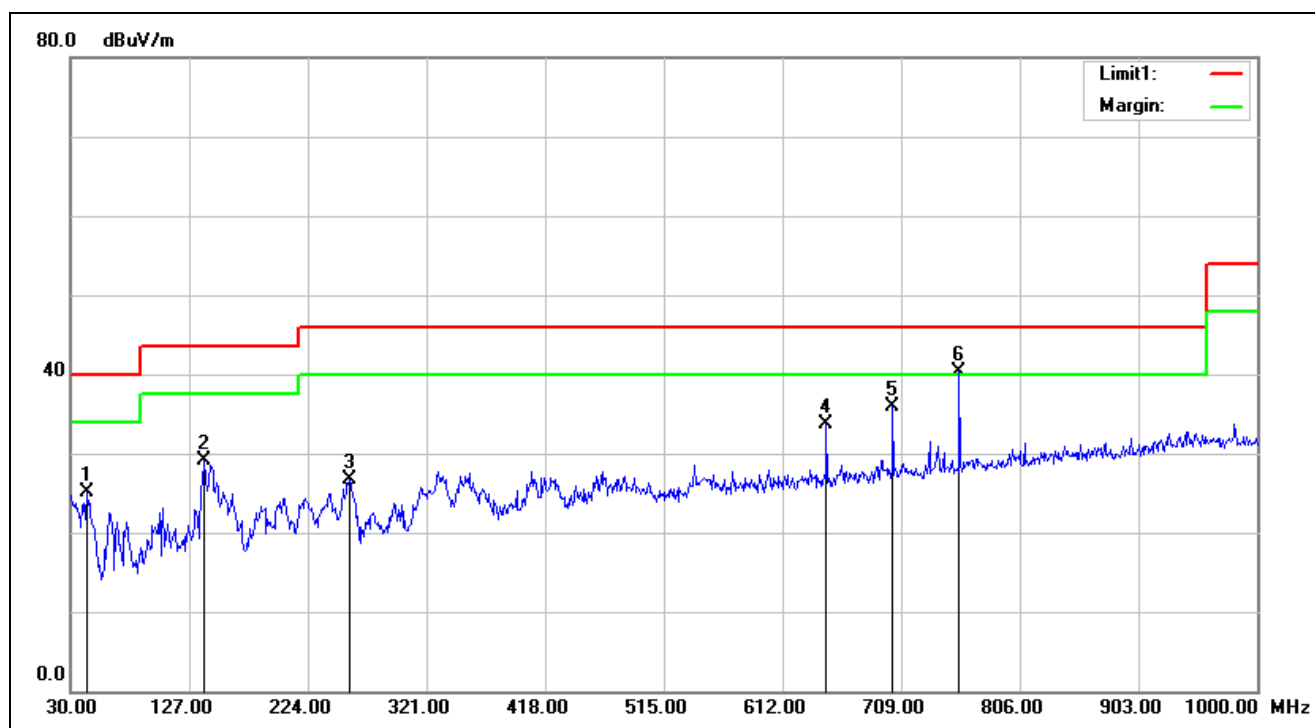
Tel: +886-2172-7000 fax: +886-2528-0018



| | | | |
|----------------|--------------------------|--------------------|--------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Class B 3M Radiation | Ant. Polarization: | Horizontal |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 13:30:04 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%) | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-60.48-RX | | |
| Remark: | | | |

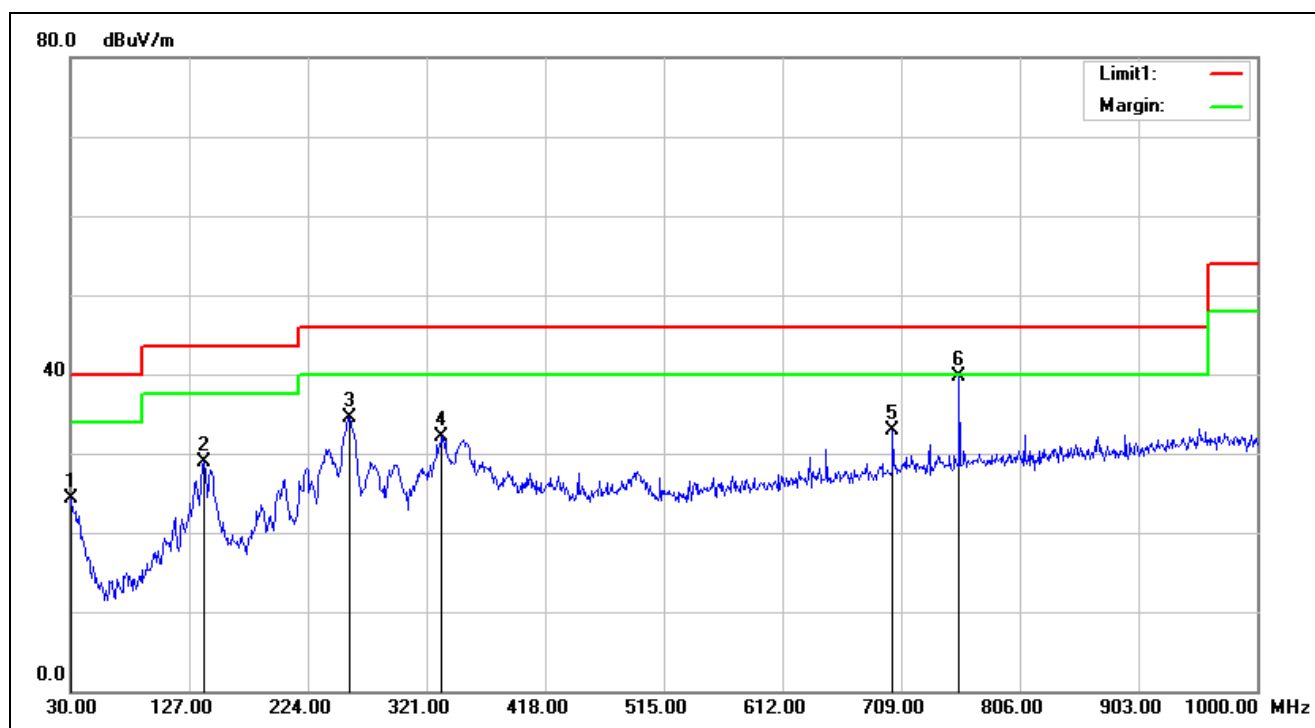
| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 30.9699 | -1.80 | 25.80 | 24.00 | 40.00 | -16.00 | QP | 100 | 256 | |
| 2 | 139.6100 | -8.09 | 37.56 | 29.47 | 43.50 | -14.03 | QP | 100 | 96 | |
| 3 | 257.9499 | -6.31 | 40.72 | 34.41 | 46.00 | -11.59 | QP | 100 | 243 | |
| 4 | 351.0699 | -4.45 | 35.85 | 31.40 | 46.00 | -14.60 | QP | 100 | 296 | |
| 5 | 702.2100 | 0.27 | 32.27 | 32.54 | 46.00 | -13.46 | QP | 100 | 83 | |
| 6 | 756.5299 | 1.54 | 37.91 | 39.45 | 46.00 | -6.55 | QP | 100 | 248 | |

Spurious Emissions, RX Mode, 30M-1G



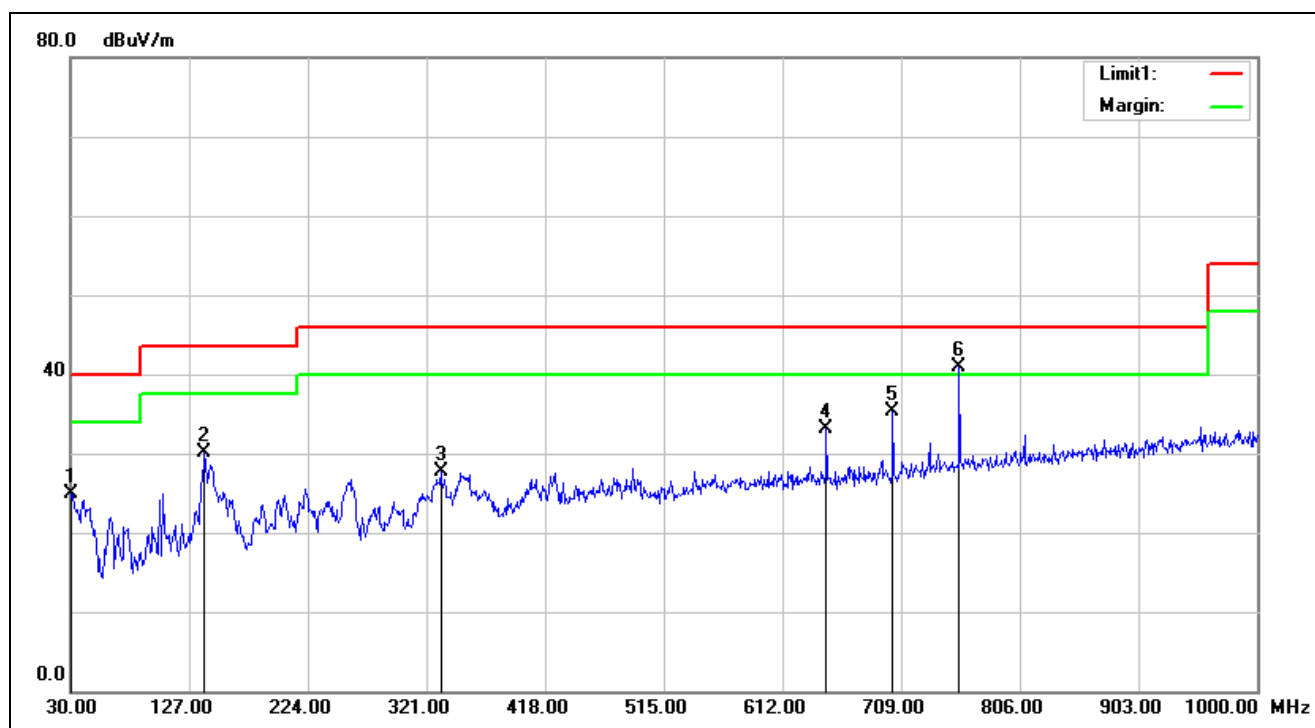
| | | | |
|----------------|--------------------------|--------------------|--------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Class B 3M Radiation | Ant. Polarization: | Vertical |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 13:31:07 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%) | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-60.48-RX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 43.5800 | -8.76 | 33.95 | 25.19 | 40.00 | -14.81 | QP | 100 | 56 | |
| 2 | 139.6100 | -8.09 | 37.27 | 29.18 | 43.50 | -14.32 | QP | 100 | 270 | |
| 3 | 257.9500 | -6.31 | 32.94 | 26.63 | 46.00 | -19.37 | QP | 100 | 288 | |
| 4 | 647.8900 | -0.27 | 33.90 | 33.63 | 46.00 | -12.37 | QP | 100 | 123 | |
| 5 | 702.2100 | 0.27 | 35.56 | 35.83 | 46.00 | -10.17 | QP | 100 | 123 | |
| 6 | 756.5300 | 1.54 | 38.69 | 40.23 | 46.00 | -5.77 | QP | 100 | 136 | |



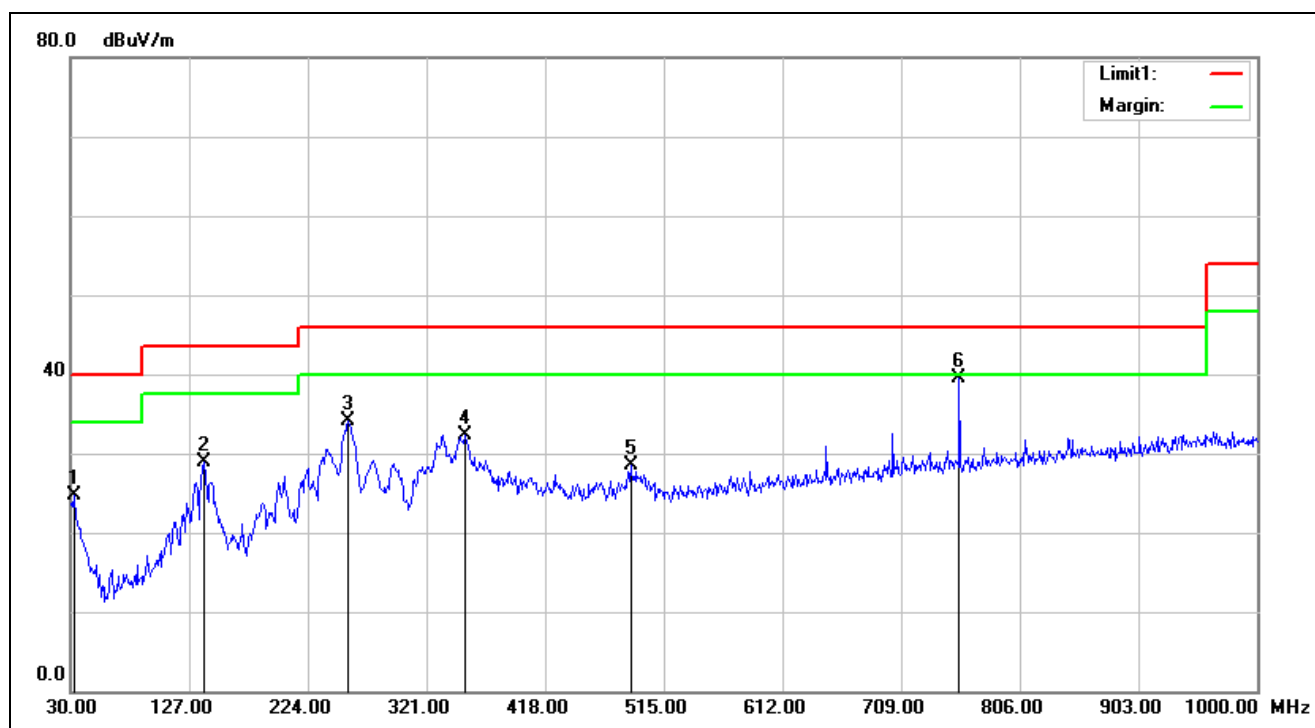
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|----------------|--------------------------|--------------------|--------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Class B 3M Radiation | Ant. Polarization: | Horizontal |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 13:36:52 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%) | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-62.64-RX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 30.0000 | -1.31 | 25.56 | 24.25 | 40.00 | -15.75 | QP | 100 | 109 | |
| 2 | 138.6399 | -8.08 | 37.08 | 29.00 | 43.50 | -14.50 | QP | 100 | 75 | |
| 3 | 257.9499 | -6.31 | 40.73 | 34.42 | 46.00 | -11.58 | QP | 100 | 232 | |
| 4 | 333.6099 | -4.88 | 36.98 | 32.10 | 46.00 | -13.90 | QP | 100 | 279 | |
| 5 | 702.2100 | 0.27 | 32.62 | 32.89 | 46.00 | -13.11 | QP | 100 | 85 | |
| 6 | 756.5299 | 1.54 | 38.13 | 39.67 | 46.00 | -6.33 | QP | 100 | 248 | |



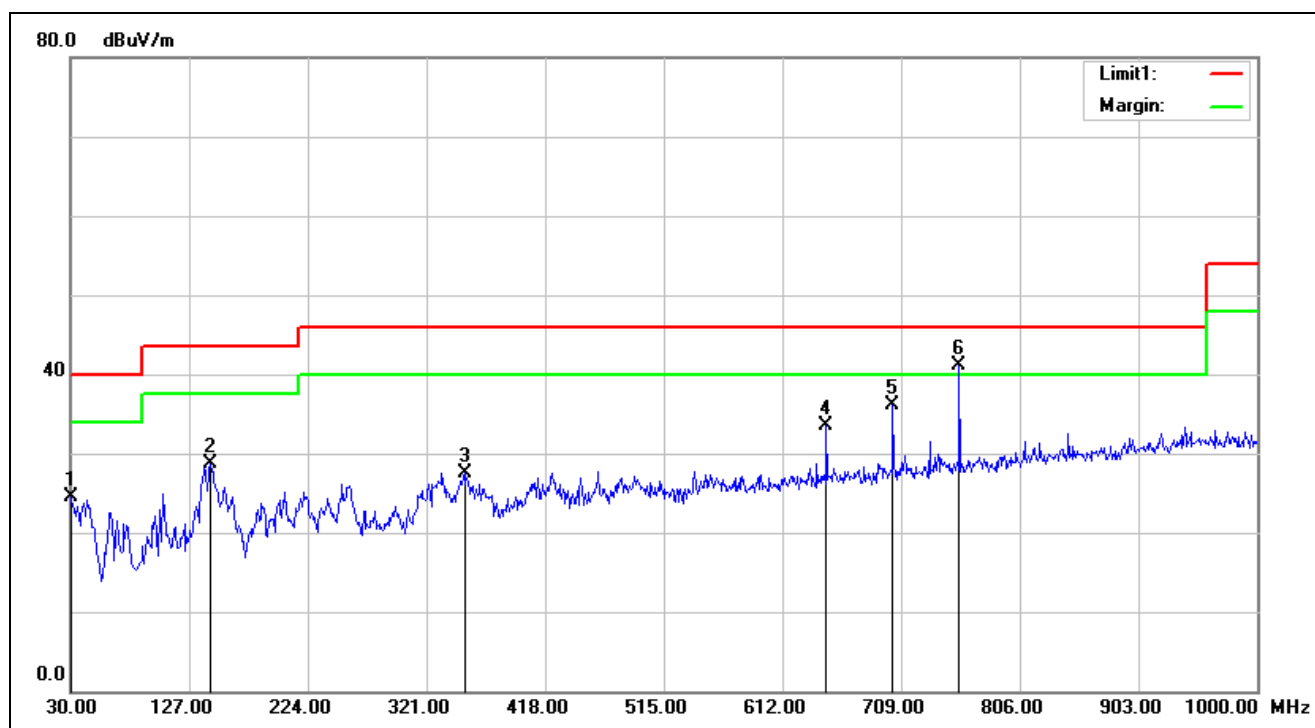
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|----------------|--------------------------|--------------------|--------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Class B 3M Radiation | Ant. Polarization: | Vertical |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 13:37:55 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%) | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-62.64-RX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 30.9700 | -1.80 | 26.63 | 24.83 | 40.00 | -15.17 | QP | 100 | 128 | |
| 2 | 139.6100 | -8.09 | 38.20 | 30.11 | 43.50 | -13.39 | QP | 100 | 251 | |
| 3 | 332.6400 | -4.90 | 32.61 | 27.71 | 46.00 | -18.29 | QP | 100 | 293 | |
| 4 | 647.8900 | -0.27 | 33.37 | 33.10 | 46.00 | -12.90 | QP | 100 | 224 | |
| 5 | 702.2100 | 0.27 | 35.13 | 35.40 | 46.00 | -10.60 | QP | 100 | 123 | |
| 6 | 756.5300 | 1.54 | 39.28 | 40.82 | 46.00 | -5.18 | QP | 100 | 136 | |



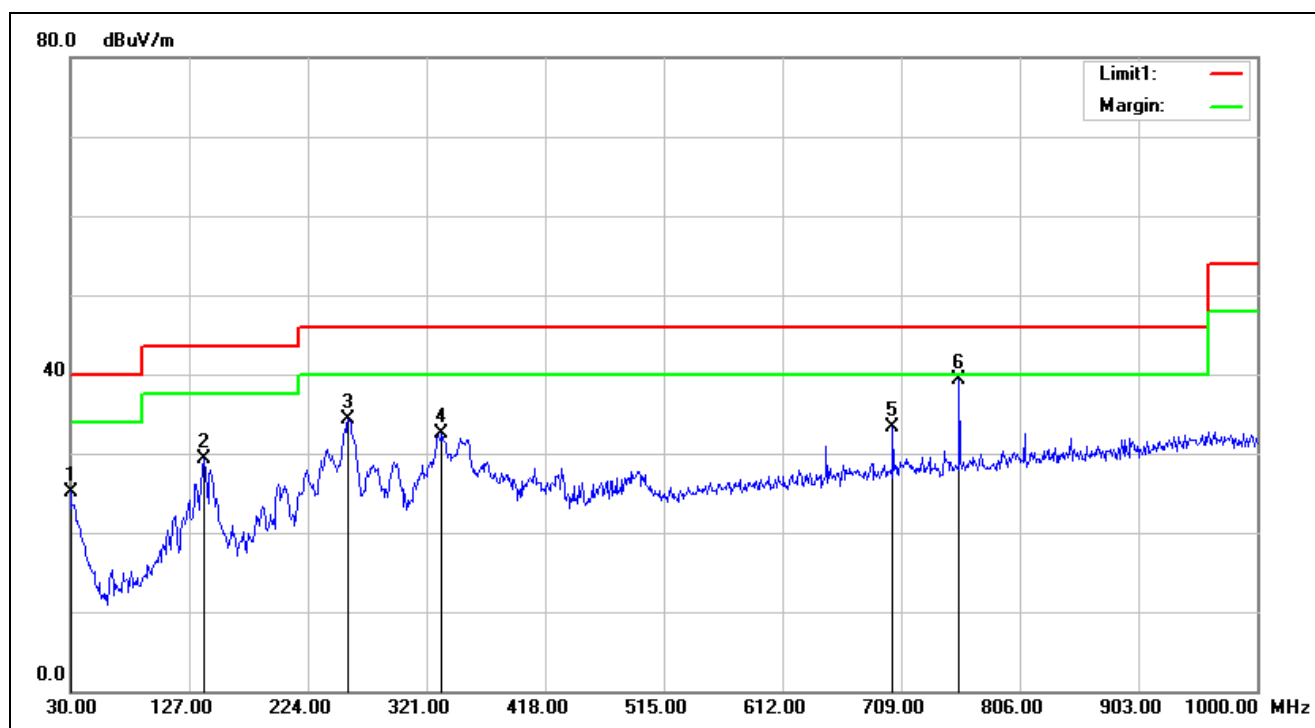
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|----------------|--------------------------|--------------------|--------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Class B 3M Radiation | Ant. Polarization: | Horizontal |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 13:32:41 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%) | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | MRP-60.48-RX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 32.9099 | -2.80 | 27.41 | 24.61 | 40.00 | -15.39 | QP | 100 | 253 | |
| 2 | 138.6399 | -8.08 | 36.95 | 28.87 | 43.50 | -14.63 | QP | 100 | 88 | |
| 3 | 256.9800 | -6.40 | 40.59 | 34.19 | 46.00 | -11.81 | QP | 100 | 240 | |
| 4 | 353.0099 | -4.42 | 36.73 | 32.31 | 46.00 | -13.69 | QP | 100 | 287 | |
| 5 | 487.8399 | -2.36 | 30.78 | 28.42 | 46.00 | -17.58 | QP | 100 | 186 | |
| 6 | 756.5299 | 1.54 | 37.89 | 39.43 | 46.00 | -6.57 | QP | 100 | 242 | |



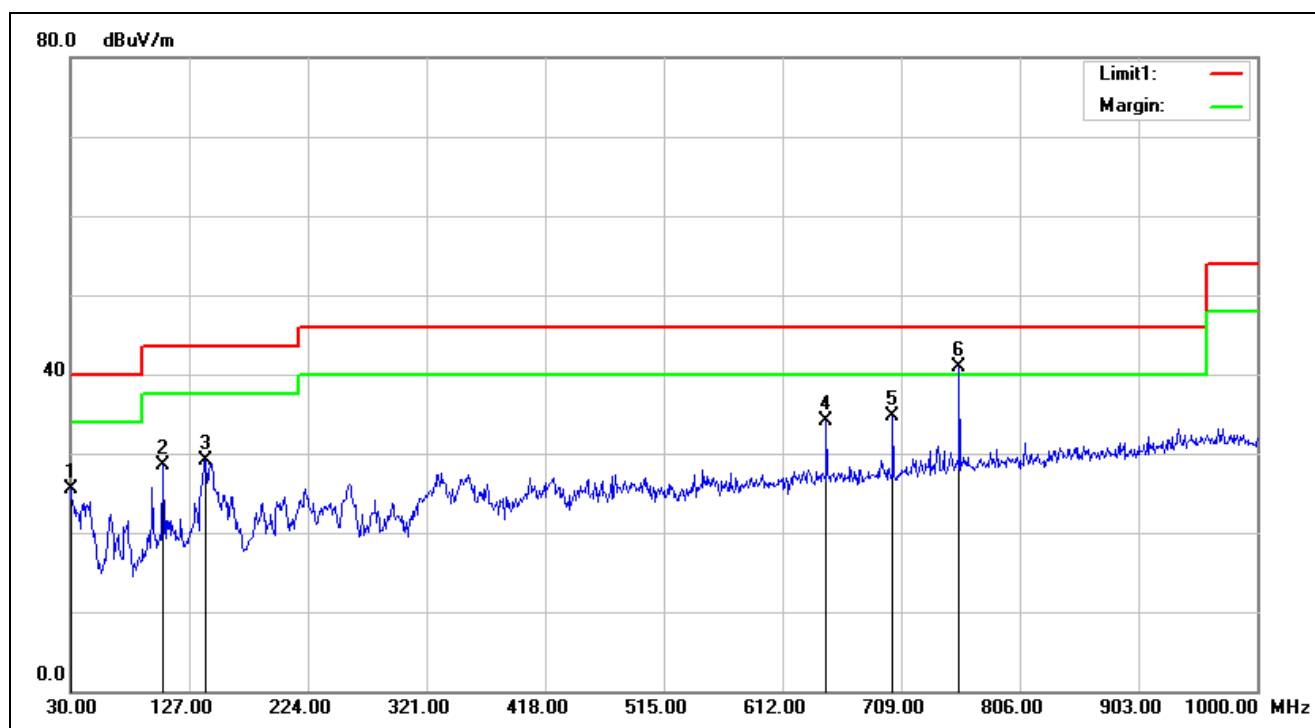
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|----------------|--------------------------|--------------------|--------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Class B 3M Radiation | Ant. Polarization: | Vertical |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 13:33:45 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%) | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | MRP-60.48-RX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 30.0000 | -1.31 | 25.86 | 24.55 | 40.00 | -15.45 | QP | 100 | 208 | |
| 2 | 144.4600 | -8.23 | 36.90 | 28.67 | 43.50 | -14.83 | QP | 100 | 262 | |
| 3 | 352.0400 | -4.43 | 32.01 | 27.58 | 46.00 | -18.42 | QP | 100 | 203 | |
| 4 | 647.8900 | -0.27 | 33.78 | 33.51 | 46.00 | -12.49 | QP | 100 | 112 | |
| 5 | 702.2100 | 0.27 | 35.82 | 36.09 | 46.00 | -9.91 | QP | 100 | 139 | |
| 6 | 756.5300 | 1.54 | 39.60 | 41.14 | 46.00 | -4.86 | QP | 100 | 139 | |



| | | | |
|----------------|--------------------------|--------------------|--------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Class B 3M Radiation | Ant. Polarization: | Horizontal |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 13:39:33 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%) | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | MRP-62.64-RX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 30.0000 | -1.31 | 26.50 | 25.19 | 40.00 | -14.81 | QP | 100 | 91 | |
| 2 | 139.6100 | -8.09 | 37.41 | 29.32 | 43.50 | -14.18 | QP | 100 | 70 | |
| 3 | 256.9800 | -6.40 | 40.69 | 34.29 | 46.00 | -11.71 | QP | 100 | 213 | |
| 4 | 333.6099 | -4.88 | 37.48 | 32.60 | 46.00 | -13.40 | QP | 100 | 269 | |
| 5 | 702.2100 | 0.27 | 32.99 | 33.26 | 46.00 | -12.74 | QP | 100 | 80 | |
| 6 | 756.5299 | 1.54 | 37.80 | 39.34 | 46.00 | -6.66 | QP | 100 | 237 | |



| | | | |
|----------------|--------------------------|--------------------|--------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC Class B 3M Radiation | Ant. Polarization: | Vertical |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 13:40:36 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%) | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | MRP-62.64-RX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 30.0000 | -1.31 | 26.90 | 25.59 | 40.00 | -14.41 | QP | 100 | 334 | |
| 2 | 105.6600 | -9.87 | 38.40 | 28.53 | 43.50 | -14.97 | QP | 100 | 294 | |
| 3 | 140.5800 | -8.10 | 37.15 | 29.05 | 43.50 | -14.45 | QP | 100 | 259 | |
| 4 | 647.8900 | -0.27 | 34.40 | 34.13 | 46.00 | -11.87 | QP | 100 | 128 | |
| 5 | 702.2100 | 0.27 | 34.46 | 34.73 | 46.00 | -11.27 | QP | 100 | 131 | |
| 6 | 756.5300 | 1.54 | 39.33 | 40.87 | 46.00 | -5.13 | QP | 100 | 142 | |

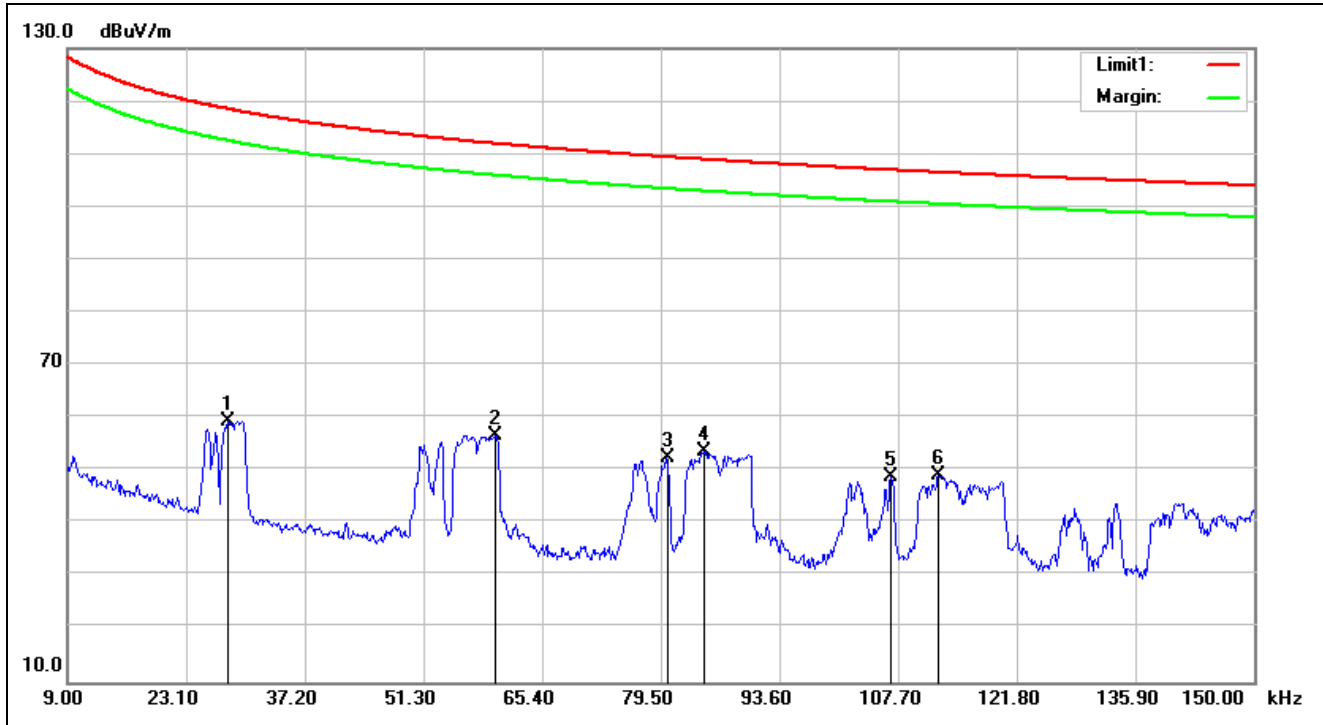
Spurious Emissions, RX Mode, 9K-30M



TUV Rheinland Taiwan Ltd.

11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

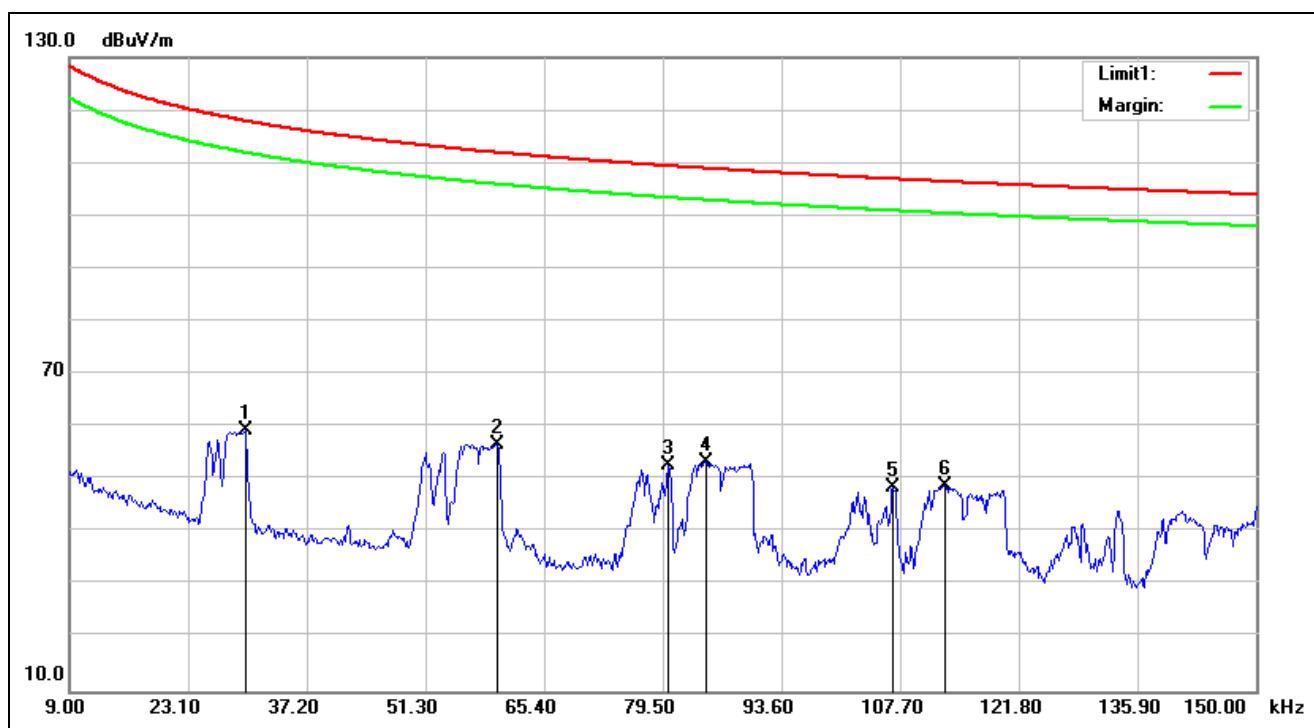
Tel:+886-2172-7000 fax:+886-2528-0018



| | | | |
|----------------|---------------------|--------------------|--------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC2.8_9k-1G_3m | Ant. Polarization: | |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 13:15:39 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-60.48-RX | | |
| Remark: | | | |

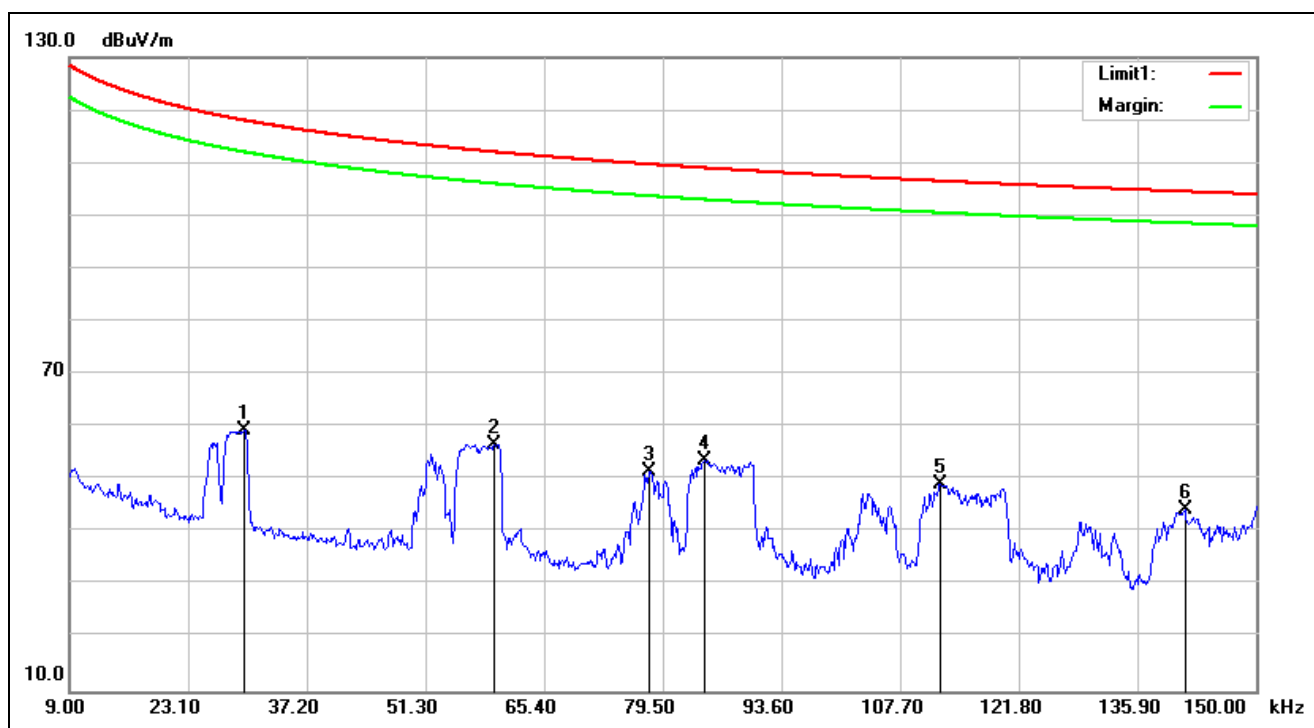
| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 0.0280 | 20.11 | 39.23 | 59.34 | 118.51 | -59.17 | QP | 100 | 181 | |
| 2 | 0.0599 | 19.37 | 37.38 | 56.75 | 111.94 | -55.19 | QP | 100 | 187 | |
| 3 | 0.0802 | 19.25 | 33.29 | 52.54 | 109.42 | -56.88 | QP | 100 | 176 | |
| 4 | 0.0847 | 19.22 | 34.40 | 53.62 | 108.95 | -55.33 | QP | 100 | 184 | |
| 5 | 0.1068 | 19.12 | 29.66 | 48.78 | 106.95 | -58.17 | QP | 100 | 176 | |
| 6 | 0.1124 | 19.12 | 29.91 | 49.03 | 106.51 | -57.48 | QP | 100 | 176 | |

Spurious Emissions, RX Mode, 30M-1G



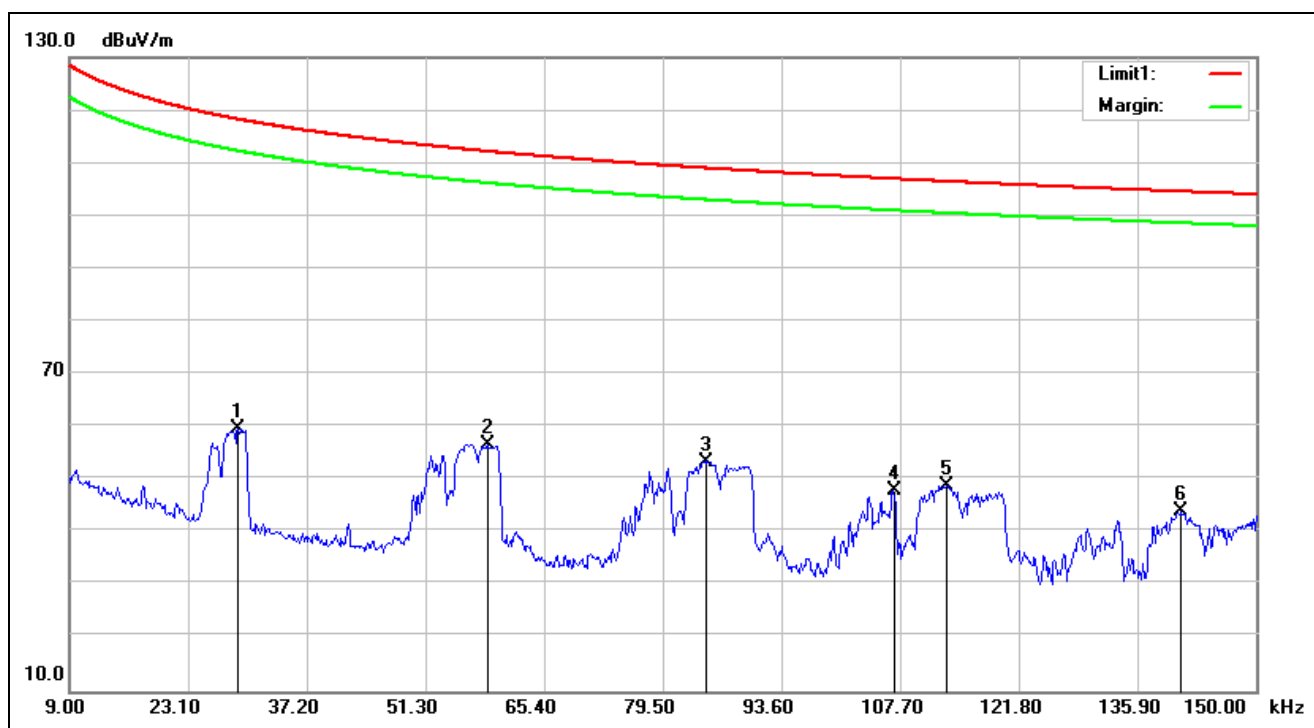
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|-----------------------|----------------------------|---------------------------|---------------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC2.8_9k-1G_3m | Ant. Polarization: | |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 13:18:27 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-62.64-RX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 0.0298 | 20.13 | 39.10 | 59.23 | 117.97 | -58.74 | QP | 100 | 181 | |
| 2 | 0.0599 | 19.37 | 37.37 | 56.74 | 111.94 | -55.20 | QP | 100 | 181 | |
| 3 | 0.0800 | 19.25 | 33.57 | 52.82 | 109.44 | -56.62 | QP | 100 | 178 | |
| 4 | 0.0847 | 19.22 | 34.22 | 53.44 | 108.95 | -55.51 | QP | 100 | 178 | |
| 5 | 0.1068 | 19.12 | 29.51 | 48.63 | 106.95 | -58.32 | QP | 100 | 178 | |
| 6 | 0.1130 | 19.12 | 29.86 | 48.98 | 106.46 | -57.48 | QP | 100 | 178 | |



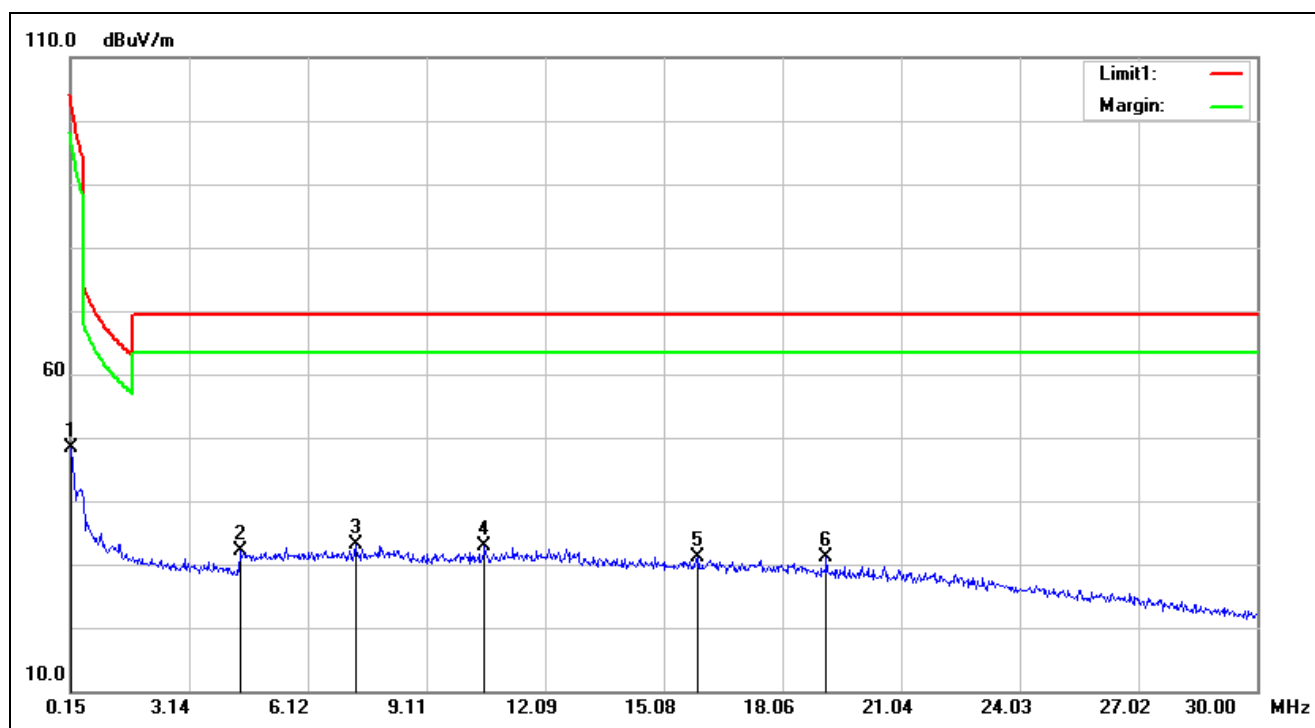
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|-----------------------|----------------------------|---------------------------|---------------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC2.8_9k-1G_3m | Ant. Polarization: | |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 13:16:42 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%) | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | MRP-60.48-RX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 0.0297 | 20.13 | 39.11 | 59.24 | 118.07 | -58.83 | QP | 100 | 177 | |
| 2 | 0.0595 | 19.37 | 37.38 | 56.75 | 112.05 | -55.30 | QP | 100 | 182 | |
| 3 | 0.0778 | 19.26 | 32.24 | 51.50 | 109.73 | -58.23 | QP | 100 | 177 | |
| 4 | 0.0844 | 19.22 | 34.34 | 53.56 | 109.03 | -55.47 | QP | 100 | 179 | |
| 5 | 0.1124 | 19.12 | 30.11 | 49.23 | 106.54 | -57.31 | QP | 100 | 182 | |
| 6 | 0.1415 | 19.09 | 25.28 | 44.37 | 104.55 | -60.18 | QP | 100 | 187 | |



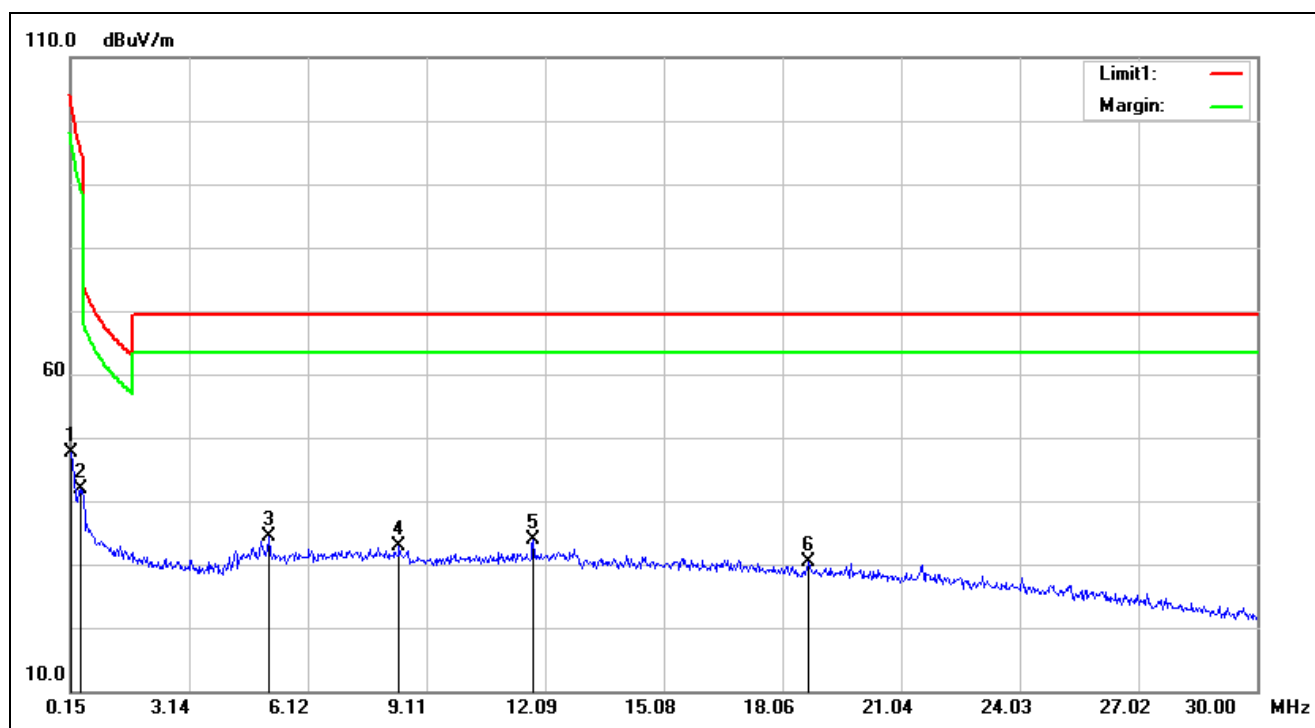
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|-----------------------|----------------------------|---------------------------|---------------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC2.8_9k-1G_3m | Ant. Polarization: | |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 13:19:31 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | MRP-62.64-RX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|----------------|--------|
| 1 | 0.0290 | 20.12 | 39.49 | 59.61 | 118.27 | -58.66 | QP | 100 | 179 | |
| 2 | 0.0586 | 19.38 | 37.39 | 56.77 | 112.18 | -55.41 | QP | 100 | 174 | |
| 3 | 0.0847 | 19.22 | 34.28 | 53.50 | 108.99 | -55.49 | QP | 100 | 179 | |
| 4 | 0.1069 | 19.12 | 28.74 | 47.86 | 106.98 | -59.12 | QP | 100 | 185 | |
| 5 | 0.1132 | 19.12 | 29.77 | 48.89 | 106.48 | -57.59 | QP | 100 | 193 | |
| 6 | 0.1411 | 19.09 | 24.83 | 43.92 | 104.58 | -60.66 | QP | 100 | 190 | |



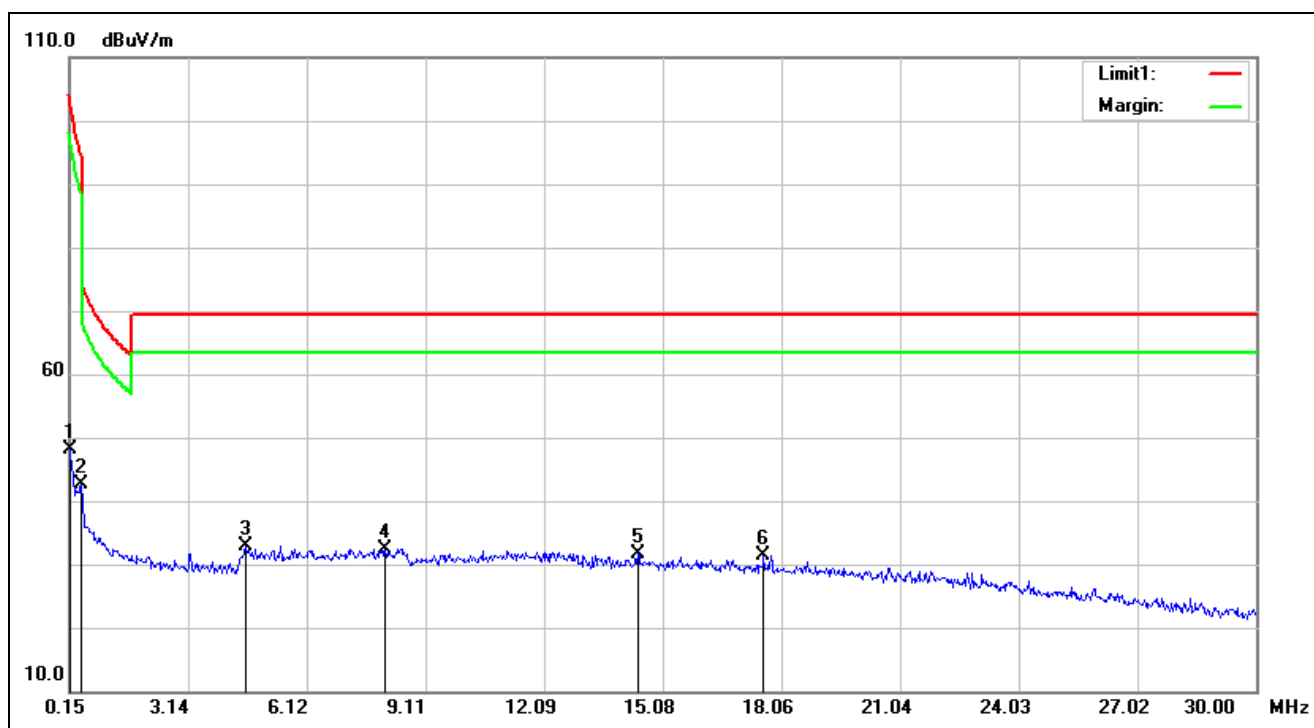
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|-----------------------|----------------------------|---------------------------|---------------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC2.8_9k-1G_3m | Ant. Polarization: | |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 13:21:28 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-60.48-RX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|--------------------|------------------|-------------------|-------------------|-------------------|----------------|------|----------------|----------------|--------|
| 1 | 0.1499 | 19.08 | 29.19 | 48.27 | 104.02 | -55.75 | QP | 100 | 191 | |
| 2 | 4.4185 | 19.40 | 12.65 | 32.05 | 69.50 | -37.45 | QP | 100 | 128 | |
| 3 | 7.3140 | 19.98 | 13.21 | 33.19 | 69.50 | -36.31 | QP | 100 | 88 | |
| 4 | 10.5676 | 20.32 | 12.54 | 32.86 | 69.50 | -36.64 | QP | 100 | 51 | |
| 5 | 15.9406 | 21.27 | 9.81 | 31.08 | 69.50 | -38.42 | QP | 100 | 117 | |
| 6 | 19.1643 | 21.84 | 9.38 | 31.22 | 69.50 | -38.28 | QP | 100 | 149 | |



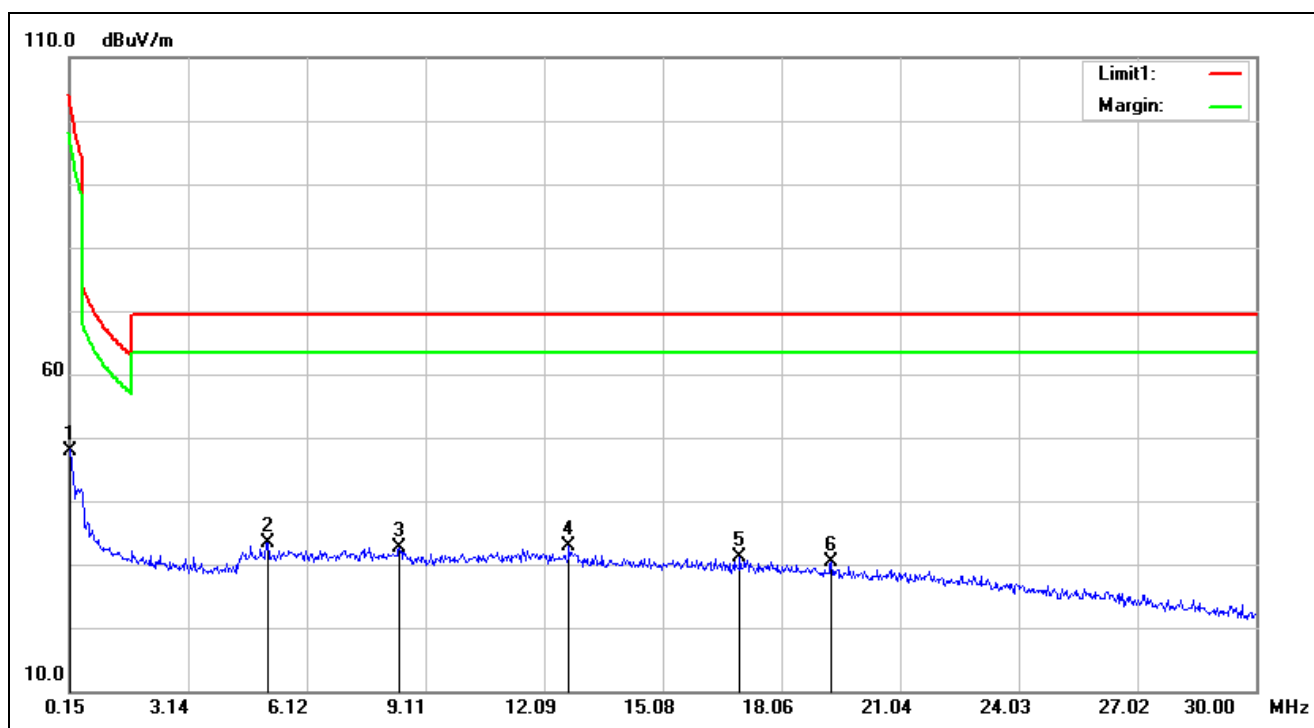
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|-----------------------|----------------------------|---------------------------|---------------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC2.8_9k-1G_3m | Ant. Polarization: | |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 13:24:18 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | LRP-62.64-RX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 0.1499 | 19.08 | 28.66 | 47.74 | 104.02 | -56.28 | QP | 100 | 176 | |
| 2 | 0.3887 | 18.91 | 22.89 | 41.80 | 95.80 | -54.00 | QP | 100 | 186 | |
| 3 | 5.1349 | 19.77 | 14.68 | 34.45 | 69.50 | -35.05 | QP | 100 | 0 | |
| 4 | 8.4184 | 20.07 | 12.71 | 32.78 | 69.50 | -36.72 | QP | 100 | 27 | |
| 5 | 11.7914 | 20.53 | 13.43 | 33.96 | 69.50 | -35.54 | QP | 100 | 106 | |
| 6 | 18.7166 | 21.76 | 8.64 | 30.40 | 69.50 | -39.10 | QP | 100 | 211 | |



| | | | |
|-----------------------|----------------------------|---------------------------|---------------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC2.8_9k-1G_3m | Ant. Polarization: | |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 13:22:31 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%): | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | MRP-60.48-RX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 0.1500 | 19.08 | 28.99 | 48.07 | 104.05 | -55.98 | QP | 100 | 179 | |
| 2 | 0.4485 | 18.89 | 23.69 | 42.58 | 94.56 | -51.98 | QP | 100 | 190 | |
| 3 | 4.5678 | 19.49 | 13.46 | 32.95 | 69.50 | -36.55 | QP | 100 | 0 | |
| 4 | 8.0901 | 20.05 | 12.33 | 32.38 | 69.50 | -37.12 | QP | 100 | 360 | |
| 5 | 14.4482 | 21.01 | 10.56 | 31.57 | 69.50 | -37.93 | QP | 100 | 203 | |
| 6 | 17.6122 | 21.56 | 9.87 | 31.43 | 69.50 | -38.07 | QP | 100 | 179 | |



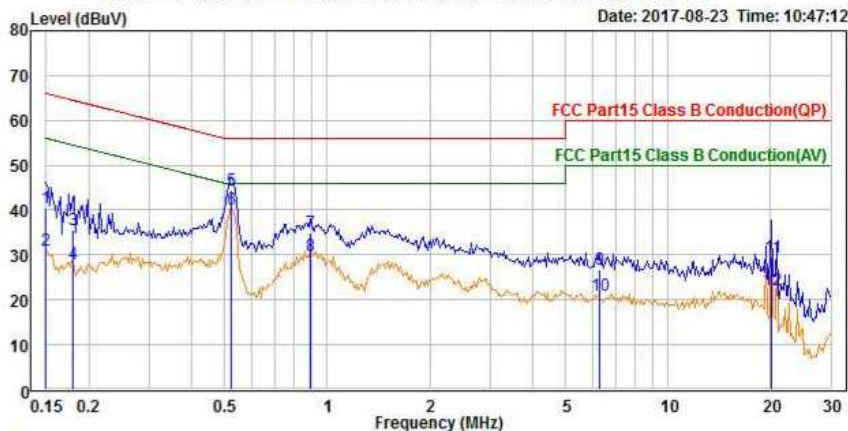
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|----------------|---------------------|--------------------|--------------------|
| Service No.: | 114068037(TX-1)-NCC | Test Distance: | 3m |
| Test Standard: | NCC2.8_9k-1G_3m | Ant. Polarization: | |
| Test item: | Radiation Emission | Test Time: | 2017/8/15 13:25:22 |
| Applicant: | TPCast | Test Rating: | DC 5V |
| Product: | PC transmitter | Temp.(°C)/Hum.(%) | 23(°C)/57% |
| Model No.: | TX-1 | Test Engineer: | George Yang |
| Test Mode: | MRP-62.64-RX | | |
| Remark: | | | |

| No. | Frequency (MHz) | Factor (dB/m) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | Height (cm) | Azimuth (°) | Remark |
|-----|-----------------|---------------|----------------|----------------|----------------|-------------|------|-------------|-------------|--------|
| 1 | 0.1500 | 19.08 | 28.92 | 48.00 | 104.05 | -56.05 | QP | 100 | 173 | |
| 2 | 5.1349 | 19.77 | 13.70 | 33.47 | 69.50 | -36.03 | QP | 100 | 283 | |
| 3 | 8.4483 | 20.08 | 12.46 | 32.54 | 69.50 | -36.96 | QP | 100 | 322 | |
| 4 | 12.7169 | 20.70 | 12.18 | 32.88 | 69.50 | -36.62 | QP | 100 | 270 | |
| 5 | 17.0153 | 21.46 | 9.65 | 31.11 | 69.50 | -38.39 | QP | 100 | 176 | |
| 6 | 19.3137 | 21.86 | 8.46 | 30.32 | 69.50 | -39.18 | QP | 100 | 35 | |

Mains Spurious Emissions

File: C:\EMC\Report\2017\TPcast\114068037(TX-1)\114068037(TX-1)_00005.EMI

Date: 2017-08-23 Time: 10:47:12



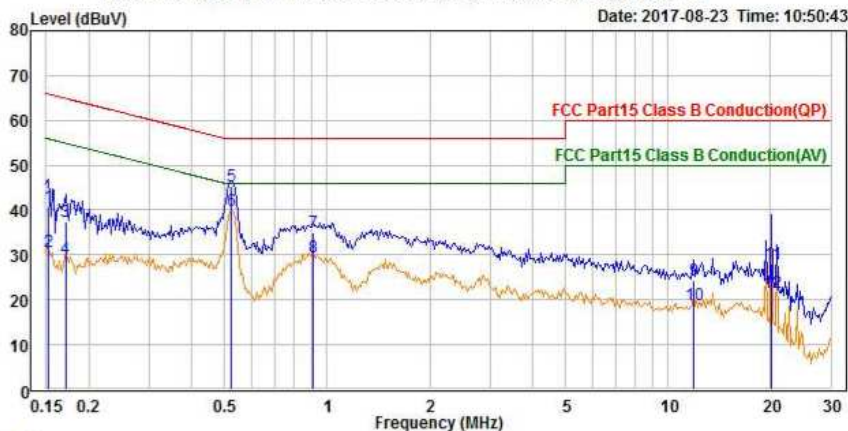
Trace: 1

Site : Conduction room
Condition : FCC Part15 Class B Conduction(QP) line1
Test Engineer: Kai Wang
Applicant : TPcast
Product : PC Transmitter
Model No. : TX-1
Test Rating : 240Vac/60Hz
Tmp/Hum : 23.9 °C / 44 %
Memo : (a) Normal operation

| | Freq | Read Level | Factor | Level | Limit Line | Over Limit | Remark |
|----|--------|------------|--------|-------|------------|------------|---------|
| | MHz | dBuV | dB | dBuV | dBuV | dB | |
| 1 | 0.150 | 30.88 | 9.66 | 40.54 | 66.00 | -25.46 | QP |
| 2 | 0.150 | 21.28 | 9.66 | 30.94 | 56.00 | -25.06 | Average |
| 3 | 0.179 | 25.83 | 9.66 | 35.49 | 64.51 | -29.02 | QP |
| 4 | 0.179 | 18.28 | 9.66 | 27.94 | 54.51 | -26.57 | Average |
| 5 | 0.525 | 34.65 | 9.66 | 44.31 | 56.00 | -11.69 | QP |
| 6 | 0.525 | 30.35 | 9.66 | 40.01 | 46.00 | -5.99 | Average |
| 7 | 0.889 | 25.41 | 9.66 | 35.07 | 56.00 | -20.93 | QP |
| 8 | 0.889 | 20.03 | 9.66 | 29.69 | 46.00 | -16.31 | Average |
| 9 | 6.300 | 17.12 | 9.74 | 26.86 | 60.00 | -33.14 | QP |
| 10 | 6.300 | 11.24 | 9.74 | 20.98 | 50.00 | -29.02 | Average |
| 11 | 20.157 | 19.68 | 9.82 | 29.50 | 60.00 | -30.50 | QP |
| 12 | 20.157 | 12.51 | 9.82 | 22.33 | 50.00 | -27.67 | Average |

File: C:\EMC\Report\2017\TPcast\114068037(TX-1)\114068037(TX-1)_00007.EMI

Date: 2017-08-23 Time: 10:50:43



Trace: 1

Site : Conduction room
Condition : FCC Part15 Class B Conduction(QP) neutral
Test Engineer: Kai Wang
Applicant : TPcast
Product : PC Transmitter
Model No. : TX-1
Test Rating : 240Vac/60Hz
Tmp/Hum : 23.9 °C / 44 %
Memo : (a) Normal operation

| | Freq | Read Level | Factor | Level | Limit Line | Over Limit | Remark |
|----|--------|------------|--------|-------|------------|------------|---------|
| | MHz | dBuV | dB | dBuV | dBuV | dB | |
| 1 | 0.151 | 31.01 | 9.67 | 40.68 | 65.92 | -25.24 | QP |
| 2 | 0.151 | 21.15 | 9.67 | 30.82 | 55.92 | -25.10 | Average |
| 3 | 0.171 | 27.89 | 9.67 | 37.56 | 64.93 | -27.37 | QP |
| 4 | 0.171 | 19.63 | 9.67 | 29.30 | 54.93 | -25.63 | Average |
| 5 | 0.525 | 35.55 | 9.66 | 45.21 | 56.00 | -10.79 | QP |
| 6 | 0.525 | 30.10 | 9.66 | 39.76 | 46.00 | -6.24 | Average |
| 7 | 0.907 | 25.22 | 9.68 | 34.90 | 56.00 | -21.10 | QP |
| 8 | 0.907 | 19.92 | 9.68 | 29.60 | 46.00 | -16.40 | Average |
| 9 | 11.902 | 14.40 | 9.83 | 24.23 | 60.00 | -35.77 | QP |
| 10 | 11.902 | 8.99 | 9.83 | 18.82 | 50.00 | -31.18 | Average |
| 11 | 20.157 | 18.12 | 9.89 | 28.01 | 60.00 | -31.99 | QP |
| 12 | 20.157 | 11.74 | 9.89 | 21.63 | 50.00 | -28.37 | Average |