

# ZIPPY EMC LAB

## conduction test

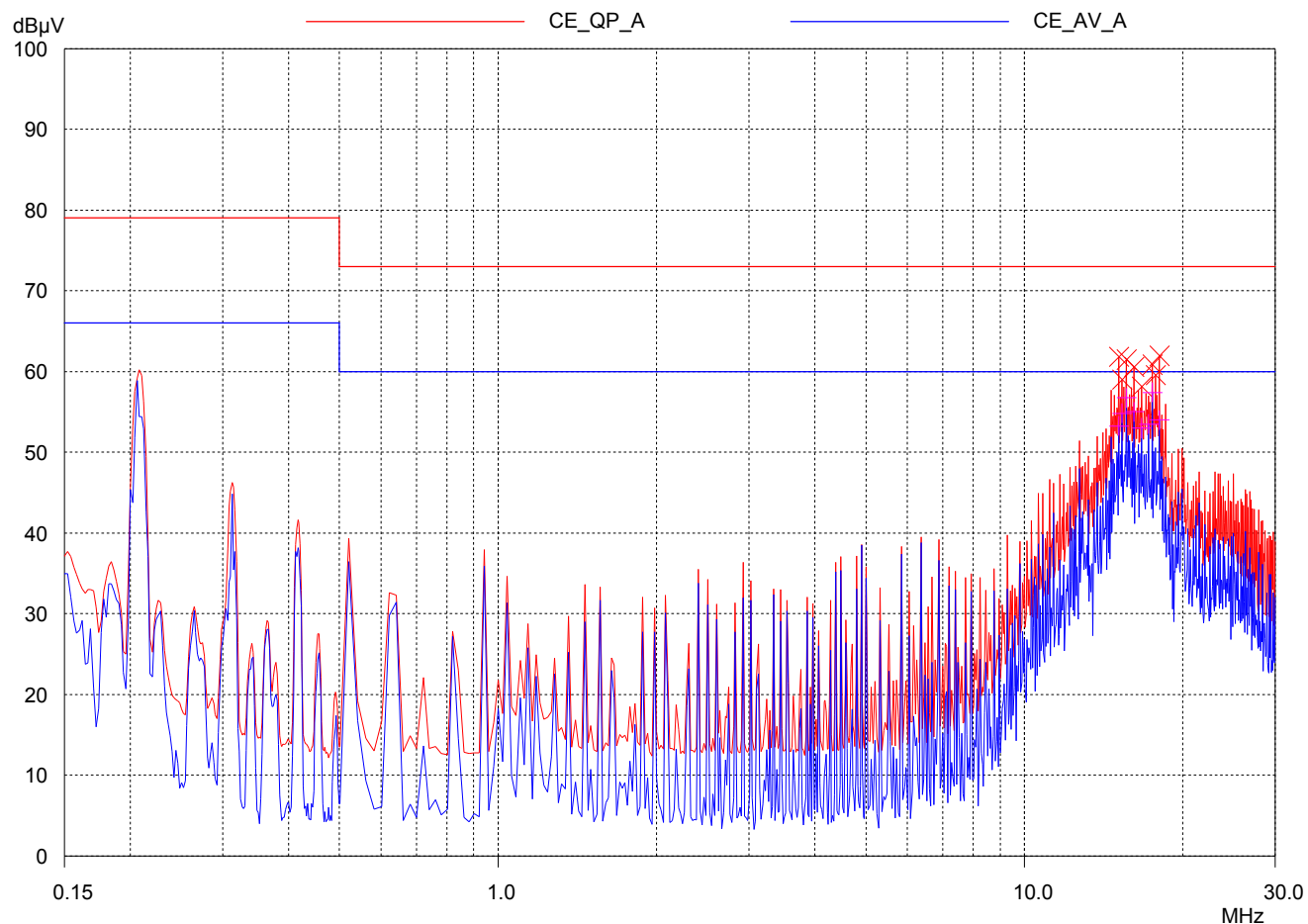
EUT: P1S-2400V SPS  
 Manuf: ZIPPY TECH CO..LTD  
 Op Cond: FULL LOAD  
 Operator:  
 Test Spec: FCC Part 15-- Class A  
 Comment: Load Condition (32 2.5)  
 L110V

### Scan Settings (3 Ranges)

| Frequencies |        |       | Receiver Settings |          |        |       |        |       |
|-------------|--------|-------|-------------------|----------|--------|-------|--------|-------|
| Start       | Stop   | Step  | IF BW             | Detector | M-Time | Atten | Preamp | OpRge |
| 150kHz      | 500kHz | 2kHz  | 10kHz             | QP+AV    | 1msec  | Auto  | OFF    | 60dB  |
| 500kHz      | 5MHz   | 20kHz | 10kHz             | QP+AV    | 1msec  | Auto  | OFF    | 60dB  |
| 5MHz        | 30MHz  | 40kHz | 10kHz             | QP+AV    | 1msec  | Auto  | OFF    | 60dB  |

| Transducer | No. | Start | Stop  | Name |
|------------|-----|-------|-------|------|
|            | 1   | 9kHz  | 30MHz | CEB  |

Prescan Measurement: Detectors: X QP / + AV  
 Meas Time: see scan settings  
 Peaks: 8  
 Acc Margin: 25 dB



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26 Dec 2012 09:29

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## Peak Search Results

| Frequency<br>MHz | QP Level<br>dBµV | QP Limit<br>dBµV | QP Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 15.12            | 61.80            | 73.00            | 11.20          | N          | gnd     |
| 15.32            | 58.95            | 73.00            | 14.05          | N          | gnd     |
| 15.64            | 61.45            | 73.00            | 11.55          | N          | gnd     |
| 16.16            | 60.54            | 73.00            | 12.46          | N          | gnd     |
| 16.68            | 58.13            | 73.00            | 14.87          | N          | gnd     |
| 17.52            | 60.82            | 73.00            | 12.18          | N          | gnd     |
| 17.72            | 59.51            | 73.00            | 13.49          | N          | gnd     |
| 18.04            | 61.93            | 73.00            | 11.07          | N          | gnd     |

| Frequency<br>MHz | AV Level<br>dBµV | AV Limit<br>dBµV | AV Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 15.12            | 53.24            | 60.00            | 6.76           | N          | gnd     |
| 15.32            | 54.82            | 60.00            | 5.18           | N          | gnd     |
| 15.64            | 56.72            | 60.00            | 3.28           | N          | gnd     |
| 16.16            | 54.99            | 60.00            | 5.01           | N          | gnd     |
| 16.68            | 52.99            | 60.00            | 7.01           | N          | gnd     |
| 17.2             | 53.47            | 60.00            | 6.53           | N          | gnd     |
| 17.52            | 57.41            | 60.00            | 2.59           | N          | gnd     |
| 18.04            | 53.99            | 60.00            | 6.01           | N          | gnd     |

\* limit exceeded

Indicated Phase/PE shows Configuration of max. Emission

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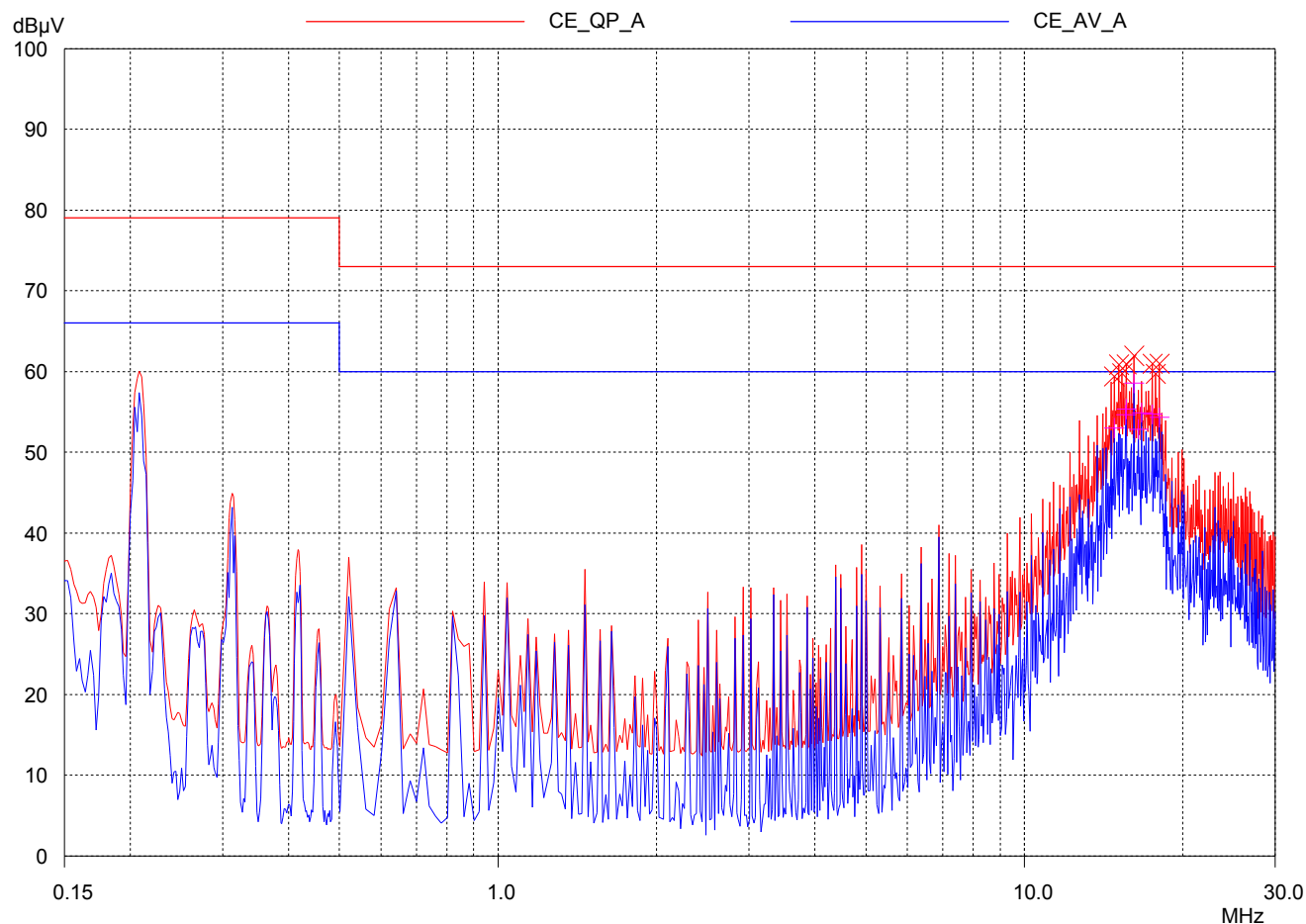
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| Frequencies |        |       | Receiver Settings |          |        |       |        |       |
|-------------|--------|-------|-------------------|----------|--------|-------|--------|-------|
| Start       | Stop   | Step  | IF BW             | Detector | M-Time | Atten | Preamp | OpRge |
| 150kHz      | 500kHz | 2kHz  | 10kHz             | QP+AV    | 1msec  | Auto  | OFF    | 60dB  |
| 500kHz      | 5MHz   | 20kHz | 10kHz             | QP+AV    | 1msec  | Auto  | OFF    | 60dB  |
| 5MHz        | 30MHz  | 40kHz | 10kHz             | QP+AV    | 1msec  | Auto  | OFF    | 60dB  |

| Transducer | No. | Start | Stop  | Name |
|------------|-----|-------|-------|------|
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| Start         | Stop   | Step        | IF BW | Detector | M-Time            | Atten | Preamp | OpRge |
| 150kHz        | 500kHz | 2kHz        | 10kHz | QP+AV    | 1msec             | Auto  | OFF    | 60dB  |
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| 5MHz          | 30MHz  | 40kHz       | 10kHz | QP+AV    | 1msec             | Auto  | OFF    | 60dB  |

| Transducer | No. | Start | Stop  | Name |
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### Peak Search Results

| Frequency<br>MHz | QP Level<br>dBµV | QP Limit<br>dBµV | QP Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 14.8             | 59.35            | 73.00            | 13.65          | N          | gnd     |
| 15.12            | 60.82            | 73.00            | 12.18          | N          | gnd     |
| 15.32            | 59.72            | 73.00            | 13.28          | N          | gnd     |
| 15.64            | 60.87            | 73.00            | 12.13          | N          | gnd     |
| 16.16            | 61.92            | 73.00            | 11.08          | N          | gnd     |
| 17.52            | 60.92            | 73.00            | 12.08          | N          | gnd     |
| 17.72            | 59.69            | 73.00            | 13.31          | N          | gnd     |
| 18.04            | 60.93            | 73.00            | 12.07          | N          | gnd     |

| Frequency<br>MHz | AV Level<br>dBµV | AV Limit<br>dBµV | AV Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 14.8             | 52.98            | 60.00            | 7.02           | N          | gnd     |
| 15.56            | 54.62            | 60.00            | 5.38           | N          | gnd     |
| 15.64            | 55.35            | 60.00            | 4.65           | N          | gnd     |
| 16.16            | 58.53            | 60.00            | 1.47           | N          | gnd     |
| 16.48            | 52.82            | 60.00            | 7.18           | N          | gnd     |
| 16.68            | 54.89            | 60.00            | 5.11           | N          | gnd     |
| 17.52            | 54.69            | 60.00            | 5.31           | N          | gnd     |
| 18.04            | 54.29            | 60.00            | 5.71           | N          | gnd     |

\* limit exceeded

Indicated Phase/PE shows Configuration of max. Emission