

# ZIPPY EMC LAB

06 May 2009 14:53

## conduction test

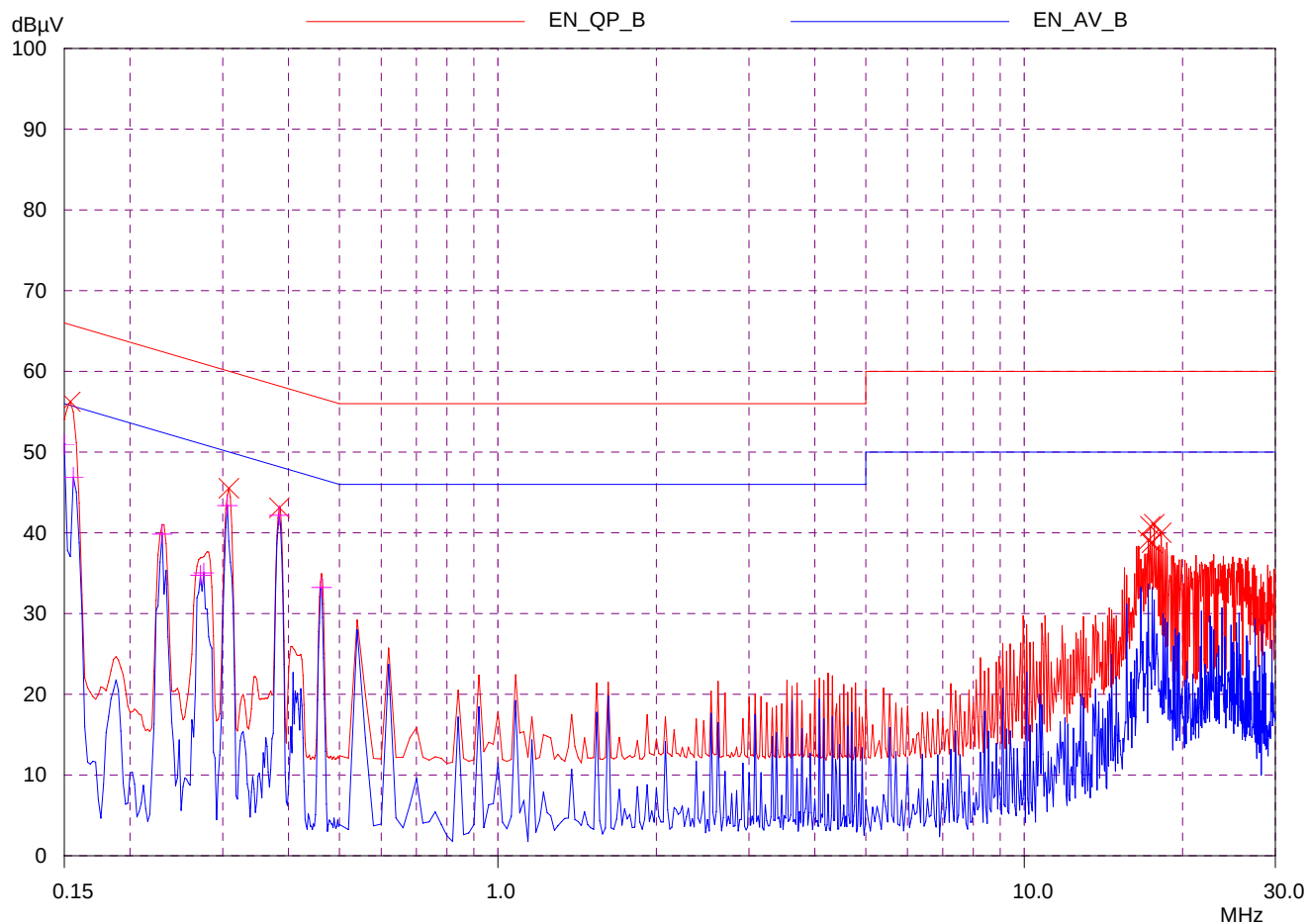
EUT: HP2-6400P SPS  
 Manuf: ZIPPY TECH CO..LTD  
 Op Cond: FULL LOAD  
 Operator:  
 Test Spec: EN 55022-- Class B  
 Comment: Load Condition (19 20 0.8 1 14 2)  
 L110V

### 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  | 50kHz | 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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### Peak Search Results

| Frequency<br>MHz | QP Level<br>dBμV | QP Limit<br>dBμV | QP Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 0.154            | 56.24            | 65.78            | 9.54           | N          | gnd     |
| 0.308            | 45.52            | 60.02            | 14.50          | N          | gnd     |
| 0.384            | 43.11            | 58.19            | 15.08          | N          | gnd     |
| 17.2             | 39.07            | 60.00            | 20.93          | N          | gnd     |
| 17.35            | 40.81            | 60.00            | 19.19          | N          | gnd     |
| 17.5             | 38.78            | 60.00            | 21.22          | N          | gnd     |
| 17.65            | 41.06            | 60.00            | 18.94          | N          | gnd     |
| 18.2             | 40.02            | 60.00            | 19.98          | N          | gnd     |

| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 0.15             | 50.98            | 56.00            | 5.02           | N          | gnd     |
| 0.156            | 46.89            | 55.67            | 8.78           | N          | gnd     |
| 0.23             | 39.83            | 52.45            | 12.62          | N          | gnd     |
| 0.272            | 34.75            | 51.06            | 16.31          | N          | gnd     |
| 0.276            | 35.03            | 50.94            | 15.91          | N          | gnd     |
| 0.306            | 43.38            | 50.08            | 6.70           | N          | gnd     |
| 0.384            | 42.18            | 48.19            | 6.01           | N          | gnd     |
| 0.462            | 33.23            | 46.66            | 13.43          | N          | gnd     |

\* limit exceeded

Indicated Phase/PE shows Configuration of max. Emission

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## conduction test

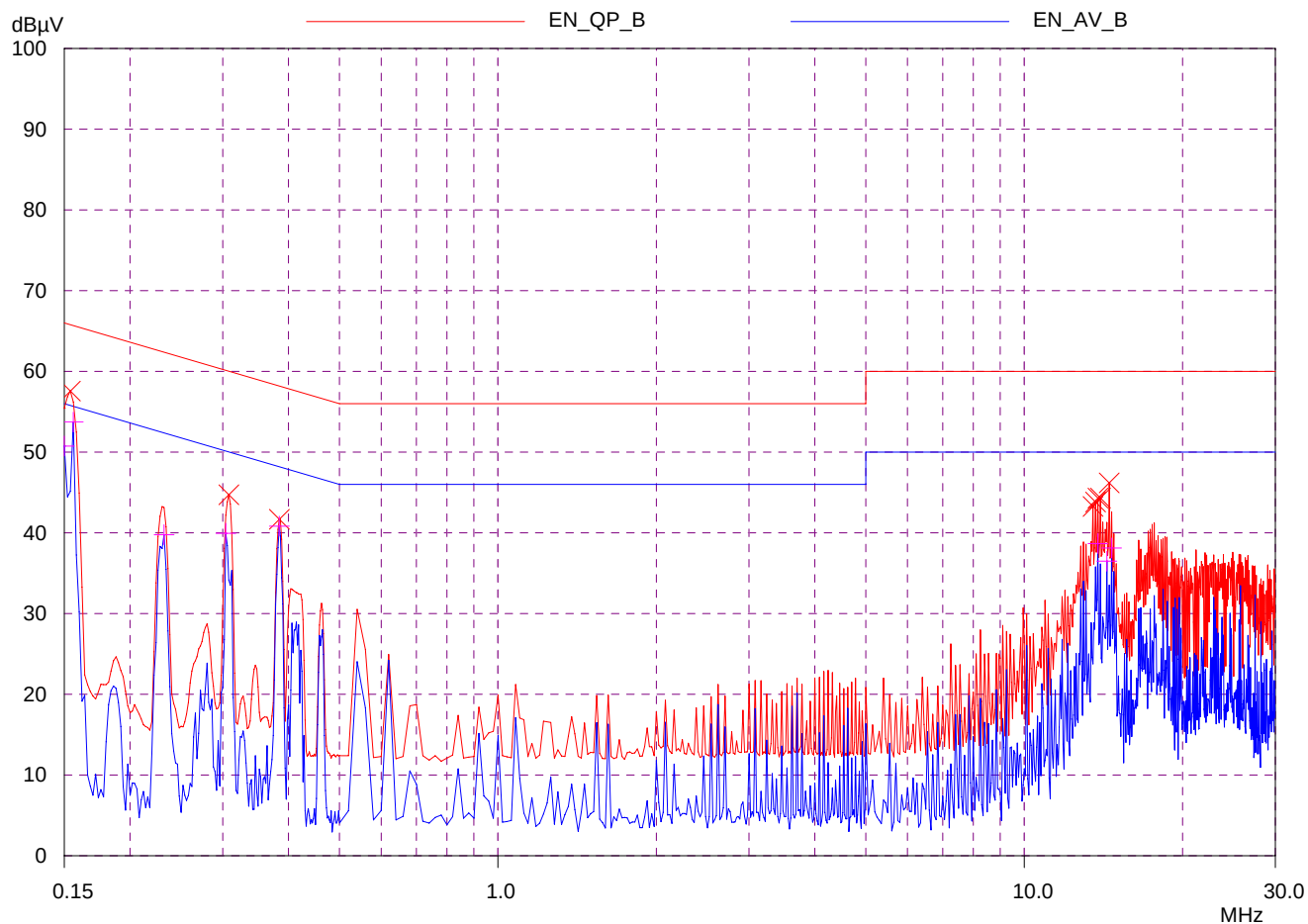
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 Operator:  
 Test Spec: EN 55022-- Class B  
 Comment: Load Condition (19 20 0.8 1 14 2)  
 N110V

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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  | 50kHz | 10kHz             | QP+AV    | 1msec  | Auto  | OFF    | 60dB  |

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

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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  | 50kHz | 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>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 0.154            | 57.56            | 65.78            | 8.22           | N          | gnd     |
| 0.308            | 44.72            | 60.02            | 15.30          | N          | gnd     |
| 0.384            | 41.68            | 58.19            | 16.51          | N          | gnd     |
| 13.5             | 43.27            | 60.00            | 16.73          | N          | gnd     |
| 13.65            | 43.83            | 60.00            | 16.17          | N          | gnd     |
| 13.8             | 44.30            | 60.00            | 15.70          | N          | gnd     |
| 13.95            | 44.30            | 60.00            | 15.70          | N          | gnd     |
| 14.5             | 46.19            | 60.00            | 13.81          | N          | gnd     |

| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 0.15             | 50.75            | 56.00            | 5.25           | N          | gnd     |
| 0.156            | 53.73            | 55.67            | 1.94           | N          | gnd     |
| 0.232            | 39.77            | 52.38            | 12.61          | N          | gnd     |
| 0.304            | 39.95            | 50.13            | 10.18          | N          | gnd     |
| 0.384            | 40.84            | 48.19            | 7.35           | N          | gnd     |
| 13.8             | 38.67            | 50.00            | 11.33          | N          | gnd     |
| 14.35            | 36.48            | 50.00            | 13.52          | N          | gnd     |
| 14.65            | 38.12            | 50.00            | 11.88          | N          | gnd     |

\* limit exceeded

Indicated Phase/PE shows Configuration of max. Emission