

# ZIPPY EMC LAB

11 May 2009 15:35

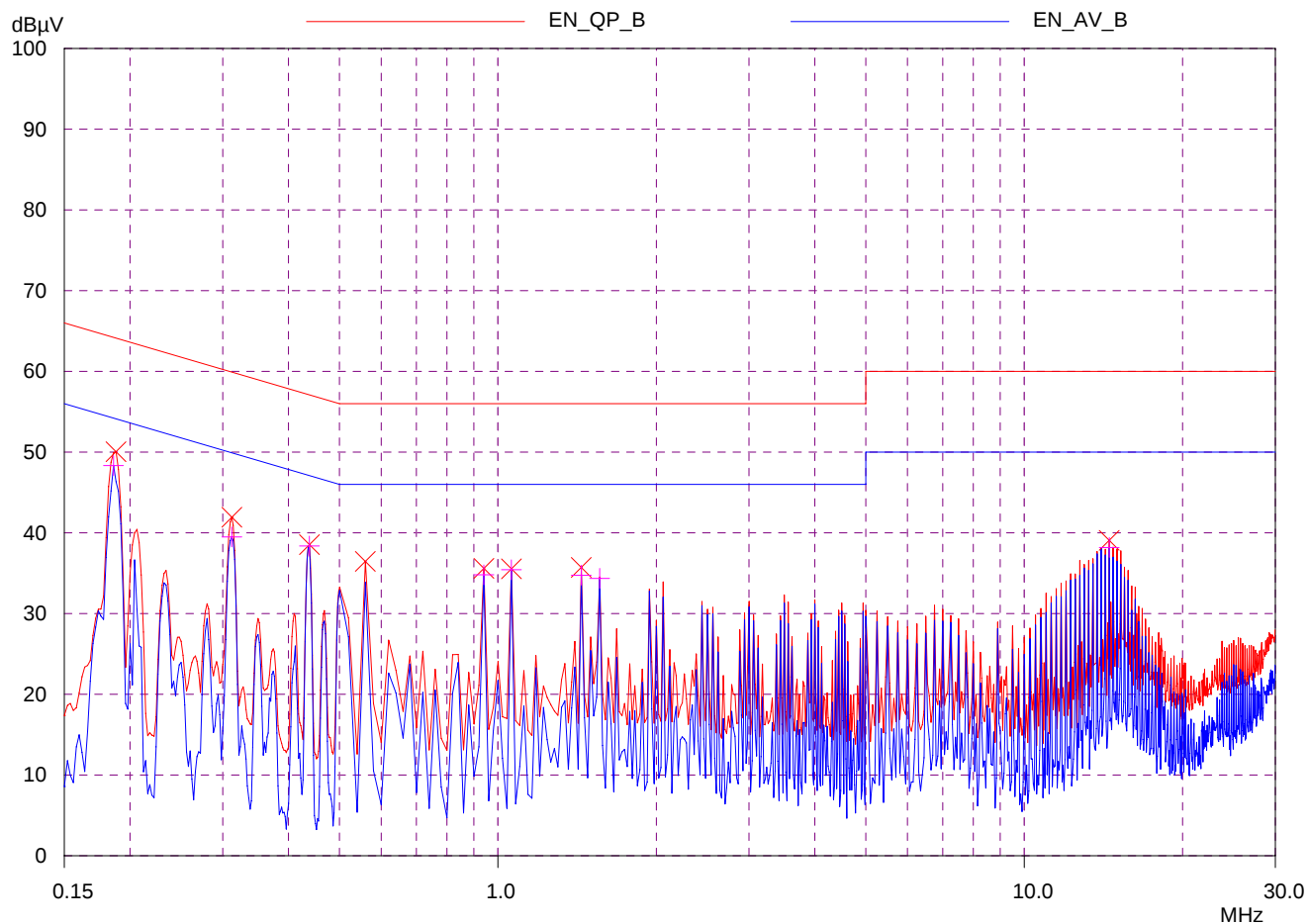
## conduction test

EUT: MP2M-5435V SPS  
 Manuf: ZIPPY TECH CO..LTD  
 Op Cond: FULL LOAD  
 Operator:  
 Test Spec: EN 55022-- Class B  
 Comment: Load Condition (24 16 0.7 15 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>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 0.188            | 50.05            | 64.12            | 14.07          | N          | gnd     |
| 0.312            | 41.93            | 59.92            | 17.99          | N          | gnd     |
| 0.438            | 38.55            | 57.10            | 18.55          | N          | gnd     |
| 0.56             | 36.45            | 56.00            | 19.55          | N          | gnd     |
| 0.94             | 35.60            | 56.00            | 20.40          | N          | gnd     |
| 1.06             | 35.54            | 56.00            | 20.46          | N          | gnd     |
| 1.44             | 35.72            | 56.00            | 20.28          | N          | gnd     |
| 14.5             | 39.07            | 60.00            | 20.93          | N          | gnd     |

| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 0.186            | 48.33            | 54.21            | 5.88           | N          | gnd     |
| 0.312            | 39.50            | 49.92            | 10.42          | N          | gnd     |
| 0.438            | 38.36            | 47.10            | 8.74           | N          | gnd     |
| 0.94             | 34.81            | 46.00            | 11.19          | N          | gnd     |
| 1.06             | 35.42            | 46.00            | 10.58          | N          | gnd     |
| 1.44             | 34.75            | 46.00            | 11.25          | N          | gnd     |
| 1.56             | 34.36            | 46.00            | 11.64          | N          | gnd     |
| 14.5             | 38.19            | 50.00            | 11.81          | N          | gnd     |

\* limit exceeded

Indicated Phase/PE shows Configuration of max. Emission

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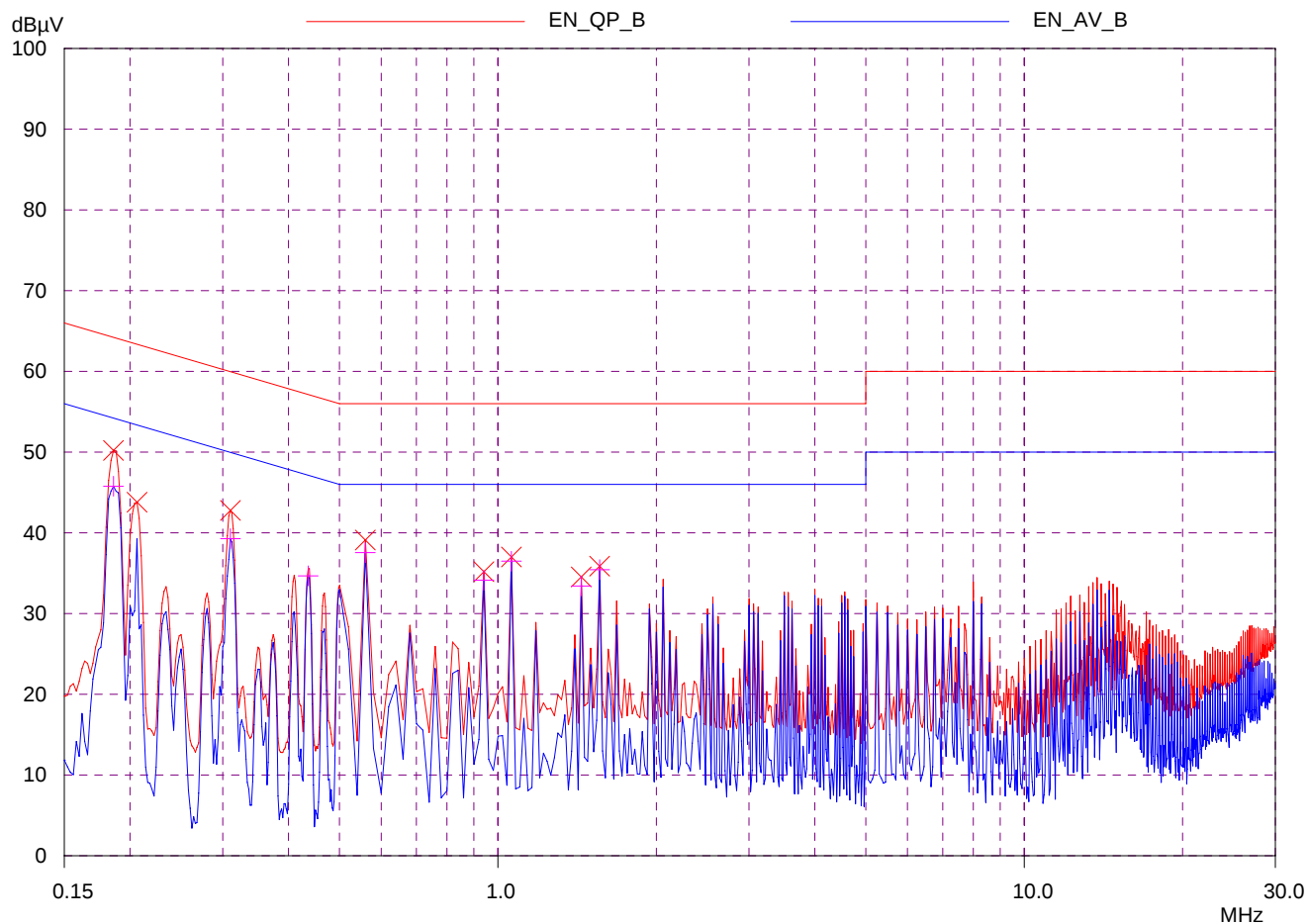
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|---------------|--------|-------|-------------|----------|--------|-------------------|--------|-------|
|               |        |       | Frequencies |          |        | Receiver Settings |        |       |
| Start         | Stop   | Step  | IF 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  | 50kHz | 10kHz       | QP+AV    | 1msec  | Auto              | OFF    | 60dB  |

| Transducer | No. | Start | Stop  | Name |
|------------|-----|-------|-------|------|
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| 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  |

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|------------------|------------------|------------------|----------------|------------|---------|
| 0.186            | 50.22            | 64.21            | 13.99          | N          | gnd     |
| 0.206            | 43.79            | 63.37            | 19.58          | N          | gnd     |
| 0.31             | 42.78            | 59.97            | 17.19          | N          | gnd     |
| 0.56             | 39.12            | 56.00            | 16.88          | N          | gnd     |
| 0.94             | 35.20            | 56.00            | 20.80          | N          | gnd     |
| 1.06             | 37.01            | 56.00            | 18.99          | N          | gnd     |
| 1.44             | 34.55            | 56.00            | 21.45          | N          | gnd     |
| 1.56             | 35.88            | 56.00            | 20.12          | N          | gnd     |

| Frequency<br>MHz | AV Level<br>dBμV | AV Limit<br>dBμV | AV Delta<br>dB | Phase<br>- | PE<br>- |
|------------------|------------------|------------------|----------------|------------|---------|
| 0.186            | 45.77            | 54.21            | 8.44           | N          | gnd     |
| 0.31             | 39.28            | 49.97            | 10.69          | N          | gnd     |
| 0.436            | 34.67            | 47.14            | 12.47          | N          | gnd     |
| 0.56             | 37.55            | 46.00            | 8.45           | N          | gnd     |
| 0.94             | 34.14            | 46.00            | 11.86          | N          | gnd     |
| 1.06             | 36.49            | 46.00            | 9.51           | N          | gnd     |
| 1.44             | 33.41            | 46.00            | 12.59          | N          | gnd     |
| 1.56             | 35.44            | 46.00            | 10.56          | N          | gnd     |

\* limit exceeded

Indicated Phase/PE shows Configuration of max. Emission