

## EMC Test Report (full test)

### EMI Auto Test Template: #23 55011(B), 55032(B), 61000-6-3, 50293 (3m, 1-2m, step 45°, f off, VULB)

Hardware Setup: 1-6G ESR7 (VULB 3m)  
 Measurement Type: Open-Area-Test-Site  
 Frequency Range: 30 MHz - 1 GHz  
 Graphics Level Range: 0 dBμV/m - 90 dBμV/m

Preview Measurements:  
 Graphics Display: Show separate traces for horizontal and vertical polarization  
 Scan Test Template: #23 (1G) ESR7 (VULB) 3m PK

Adjustment:  
 Template for Single Meas.: #23 (1G) ESR7 (VULB) 3m PK

| Subrange                            | Step Size | Detectors | IF BW   | Meas. Time | Preamp |
|-------------------------------------|-----------|-----------|---------|------------|--------|
| Receiver: [ESR 7]<br>30 MHz - 1 GHz | 30 kHz    | PK+       | 120 kHz | 0,015 s    | 20 dB  |

Final Measurements:  
 Template for Single Meas.: #23 ESR7 (1G, VULB 3m) 3m QP

| Subrange                            | Step Size | Detectors | IF BW   | Meas. Time | Preamp |
|-------------------------------------|-----------|-----------|---------|------------|--------|
| Receiver: [ESR 7]<br>30 MHz - 1 GHz | 30 kHz    | QPK       | 120 kHz | 1 s        | 20 dB  |

### Final Result

| Frequency (MHz) | QuasiPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|--------------------|----------------|-------------|-----------------|-----------------|-------------|-----|---------------|------------|
| 36.150000       | 27.77              | 40.00          | 12.23       | 1000.0          | 120.000         | 100.0       | V   | -158.0        | 13.1       |
| 62.310000       | 15.57              | 40.00          | 24.43       | 1000.0          | 120.000         | 100.0       | V   | 174.0         | 12.2       |
| 100.320000      | 32.08              | 40.00          | 7.92        | 1000.0          | 120.000         | 100.0       | V   | -146.0        | 12.8       |
| 109.590000      | 32.61              | 40.00          | 7.39        | 1000.0          | 120.000         | 100.0       | V   | 128.0         | 12.3       |
| 112.500000      | 31.48              | 40.00          | 8.52        | 1000.0          | 120.000         | 100.0       | V   | 158.0         | 11.8       |
| 153.180000      | 32.00              | 40.00          | 8.00        | 1000.0          | 120.000         | 200.0       | H   | 8.0           | 9.2        |
| 156.210000      | 34.55              | 40.00          | 5.45        | 1000.0          | 120.000         | 200.0       | H   | 3.0           | 9.3        |
| 167.400000      | 29.05              | 40.00          | 10.95       | 1000.0          | 120.000         | 100.0       | H   | 56.0          | 9.5        |
| 172.200000      | 33.88              | 40.00          | 6.12        | 1000.0          | 120.000         | 100.0       | H   | 55.0          | 9.7        |
| 175.110000      | 31.95              | 40.00          | 8.05        | 1000.0          | 120.000         | 100.0       | H   | 68.0          | 9.9        |
| 190.530000      | 29.23              | 40.00          | 10.77       | 1000.0          | 120.000         | 150.0       | H   | -72.0         | 11.9       |
| 207.660000      | 30.28              | 40.00          | 9.72        | 1000.0          | 120.000         | 150.0       | H   | -113.0        | 11.9       |
| 249.990000      | 35.59              | 47.00          | 11.41       | 1000.0          | 120.000         | 100.0       | H   | -72.0         | 13.6       |
| 313.920000      | 31.85              | 47.00          | 15.15       | 1000.0          | 120.000         | 100.0       | H   | 38.0          | 14.6       |
| 320.940000      | 32.17              | 47.00          | 14.83       | 1000.0          | 120.000         | 100.0       | H   | 38.0          | 14.9       |
| 350.010000      | 40.11              | 47.00          | 6.89        | 1000.0          | 120.000         | 100.0       | V   | 83.0          | 16.4       |
| 399.990000      | 42.27              | 47.00          | 4.73        | 1000.0          | 120.000         | 150.0       | H   | -146.0        | 16.8       |
| 450.000000      | 41.16              | 47.00          | 5.84        | 1000.0          | 120.000         | 200.0       | H   | 91.0          | 17.8       |
| 500.010000      | 42.53              | 47.00          | 4.47        | 1000.0          | 120.000         | 150.0       | H   | 55.0          | 19.2       |

