

**#01\_HAC\_E\_GSM850\_GSM Voice\_Ch128**

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8.6896

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

**E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 46.63 V/m; Power Drift = 0.06 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.96 dBV/m

**Emission category: M4**

MIF scaled E-field

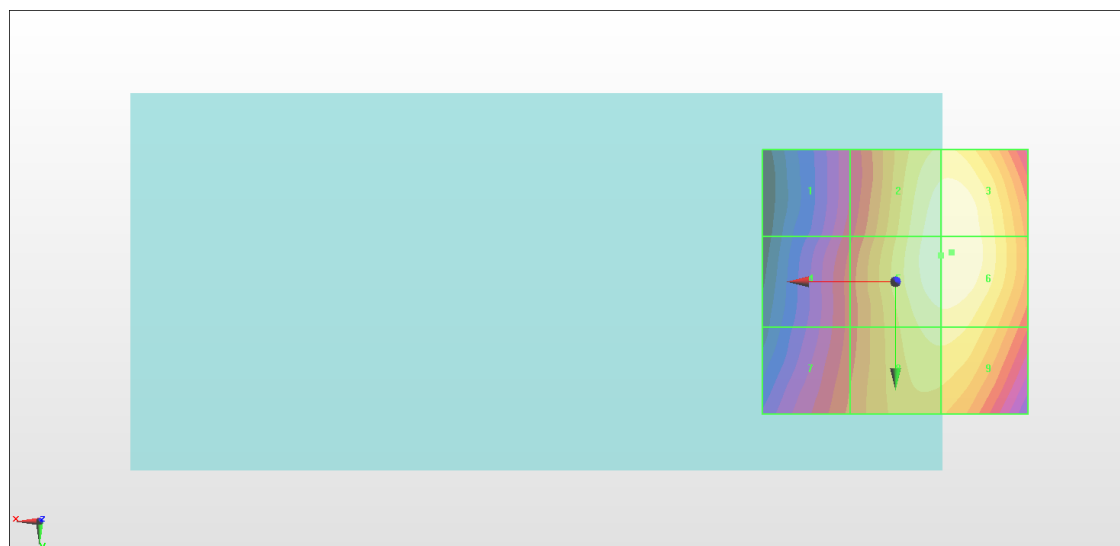
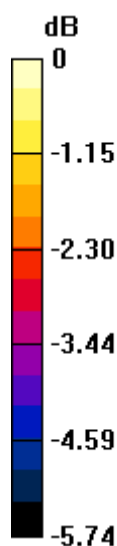
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>33.19 dBV/m</b> | Grid 2 <b>M4</b><br><b>35.86 dBV/m</b> | Grid 3 <b>M4</b><br><b>35.91 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>33.51 dBV/m</b> | Grid 5 <b>M4</b><br><b>35.91 dBV/m</b> | Grid 6 <b>M4</b><br><b>35.96 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>33.77 dBV/m</b> | Grid 8 <b>M4</b><br><b>35.38 dBV/m</b> | Grid 9 <b>M4</b><br><b>35.39 dBV/m</b> |

**Cursor:**

Total = 35.96 dBV/m

E Category: M4

Location: -10.5, -5.5, 8.7 mm



0 dB = 62.80 V/m = 35.96 dBV/m

**#02\_HAC\_E\_GSM850\_GSM Voice\_Ch189**

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 836.4 MHz; Duty Cycle: 1:8.6896

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

**E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 50.38 V/m; Power Drift = -0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 36.70 dBV/m

**Emission category: M4**

MIF scaled E-field

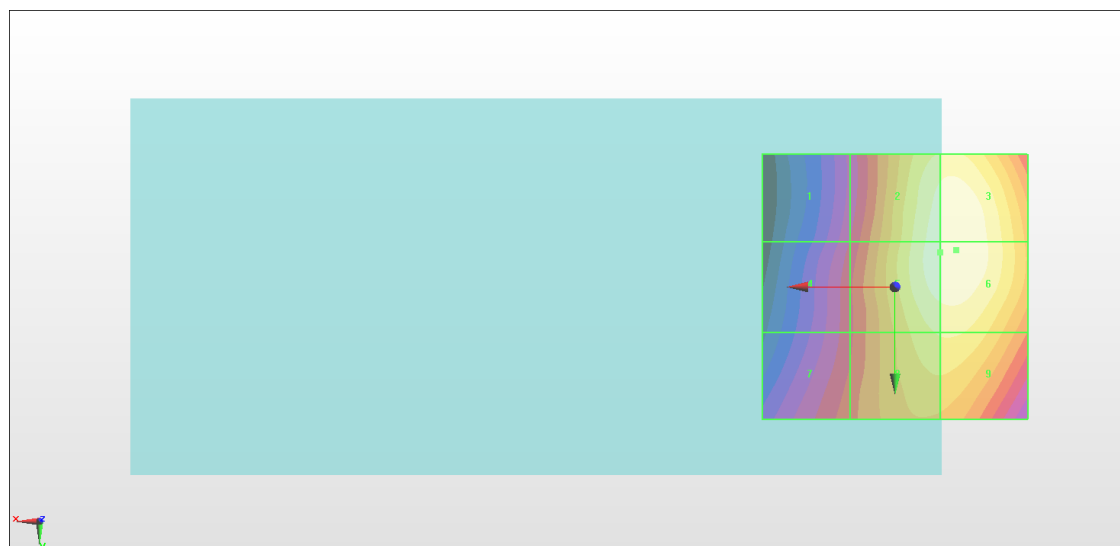
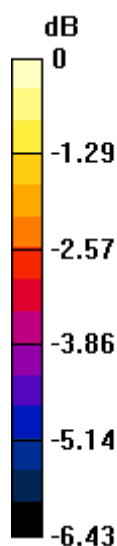
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>33.3 dBV/m</b>  | Grid 2 <b>M4</b><br><b>36.58 dBV/m</b> | Grid 3 <b>M4</b><br><b>36.69 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>33.63 dBV/m</b> | Grid 5 <b>M4</b><br><b>36.59 dBV/m</b> | Grid 6 <b>M4</b><br><b>36.7 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>34 dBV/m</b>    | Grid 8 <b>M4</b><br><b>35.9 dBV/m</b>  | Grid 9 <b>M4</b><br><b>35.92 dBV/m</b> |

**Cursor:**

Total = 36.70 dBV/m

E Category: M4

Location: -11.5, -7, 8.7 mm



0 dB = 68.40 V/m = 36.70 dBV/m

**#03\_HAC\_E\_GSM850\_GSM Voice\_Ch251**

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 848.8 MHz; Duty Cycle: 1:8.6896

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

**E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 54.89 V/m; Power Drift = 0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 37.04 dBV/m

**Emission category: M4**

MIF scaled E-field

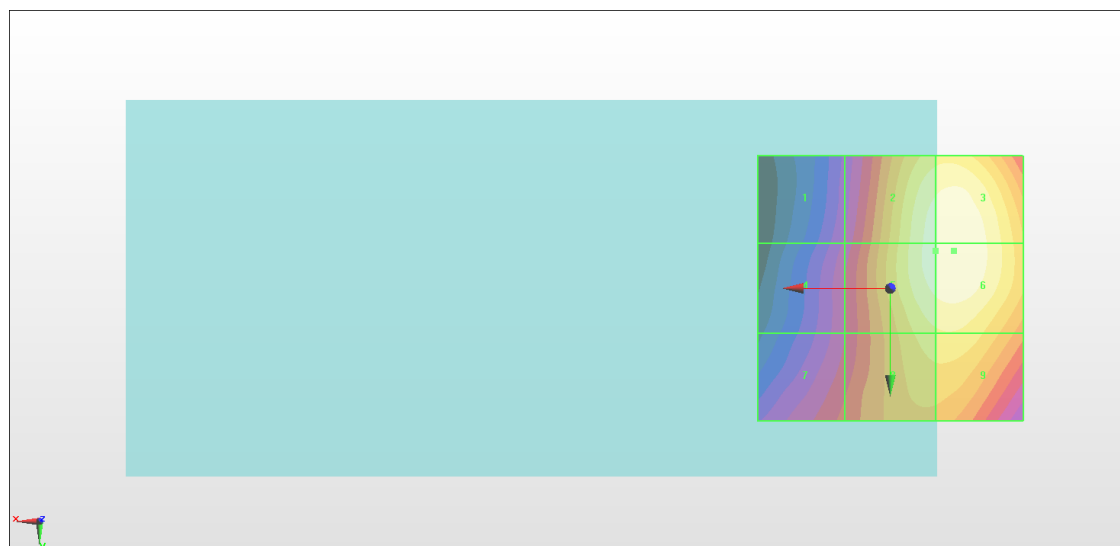
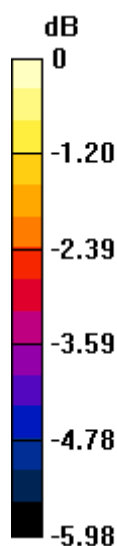
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>33.58 dBV/m</b> | Grid 2 <b>M4</b><br><b>36.89 dBV/m</b> | Grid 3 <b>M4</b><br><b>37.03 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>33.89 dBV/m</b> | Grid 5 <b>M4</b><br><b>36.9 dBV/m</b>  | Grid 6 <b>M4</b><br><b>37.04 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>34.4 dBV/m</b>  | Grid 8 <b>M4</b><br><b>36.16 dBV/m</b> | Grid 9 <b>M4</b><br><b>36.21 dBV/m</b> |

**Cursor:**

Total = 37.04 dBV/m

E Category: M4

Location: -12, -7, 8.7 mm



0 dB = 71.08 V/m = 37.03 dBV/m

**#04\_HAC\_E\_GSM1900\_GSM Voice\_Ch512**

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.6896

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

**E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 16.74 V/m; Power Drift = 0.05 dB

Applied MIF = 3.63 dB

RF audio interference level = 33.54 dBV/m

**Emission category: M3**

MIF scaled E-field

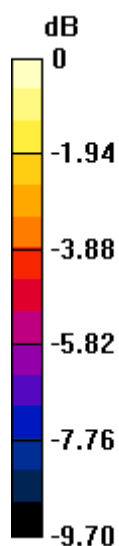
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M3</b><br><b>31.41 dBV/m</b> | Grid 2 <b>M3</b><br><b>31.3 dBV/m</b>  | Grid 3 <b>M3</b><br><b>30.56 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>27.29 dBV/m</b> | Grid 5 <b>M3</b><br><b>30.6 dBV/m</b>  | Grid 6 <b>M3</b><br><b>30.82 dBV/m</b> |
| Grid 7 <b>M3</b><br><b>30.38 dBV/m</b> | Grid 8 <b>M3</b><br><b>33.53 dBV/m</b> | Grid 9 <b>M3</b><br><b>33.54 dBV/m</b> |

**Cursor:**

Total = 33.54 dBV/m

E Category: M3

Location: -9.5, 25, 8.7 mm



0 dB = 47.51 V/m = 33.54 dBV/m

**#05\_HAC\_E\_GSM1900\_GSM Voice\_Ch661**

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.6896

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

**E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 16.23 V/m; Power Drift = 0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 33.13 dBV/m

**Emission category: M3**

MIF scaled E-field

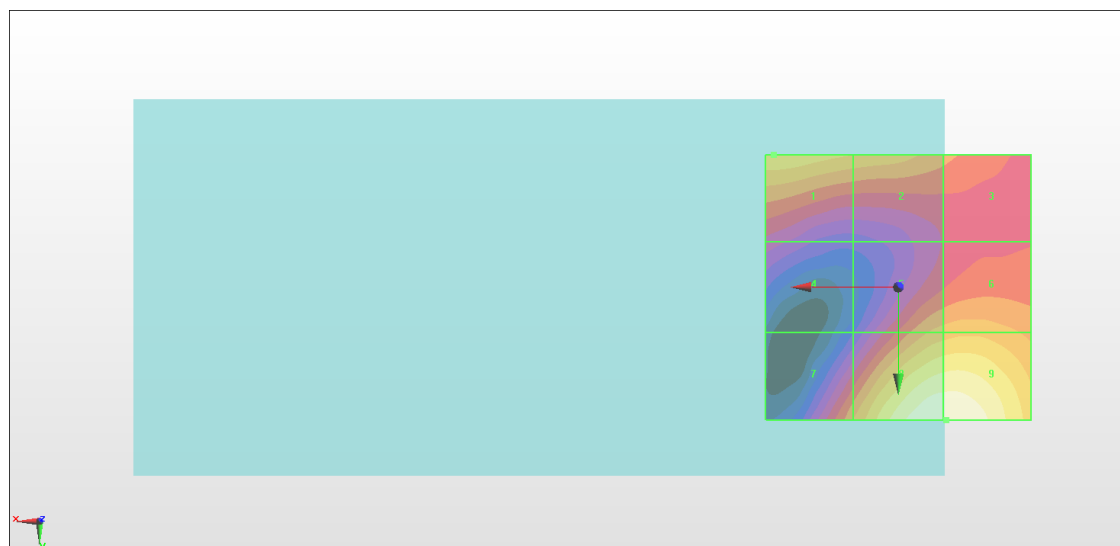
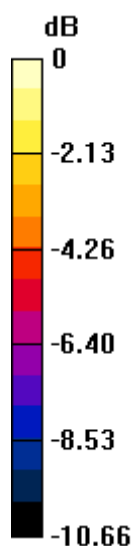
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M3</b><br><b>31.04 dBV/m</b> | Grid 2 <b>M3</b><br><b>30.32 dBV/m</b> | Grid 3 <b>M4</b><br><b>29.14 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>27.23 dBV/m</b> | Grid 5 <b>M4</b><br><b>29.93 dBV/m</b> | Grid 6 <b>M3</b><br><b>30.14 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>29.61 dBV/m</b> | Grid 8 <b>M3</b><br><b>33.12 dBV/m</b> | Grid 9 <b>M3</b><br><b>33.13 dBV/m</b> |

**Cursor:**

Total = 33.13 dBV/m

E Category: M3

Location: -9, 25, 8.7 mm



0 dB = 45.32 V/m = 33.13 dBV/m

**#06\_HAC\_E\_GSM1900\_GSM Voice\_Ch810**

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.6896

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2018/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn854; Calibrated: 2018/6/14
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (0); SEMCAD X Version 14.6.10 (7417)

**E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 16.17 V/m; Power Drift = -0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 32.56 dBV/m

**Emission category: M3**

MIF scaled E-field

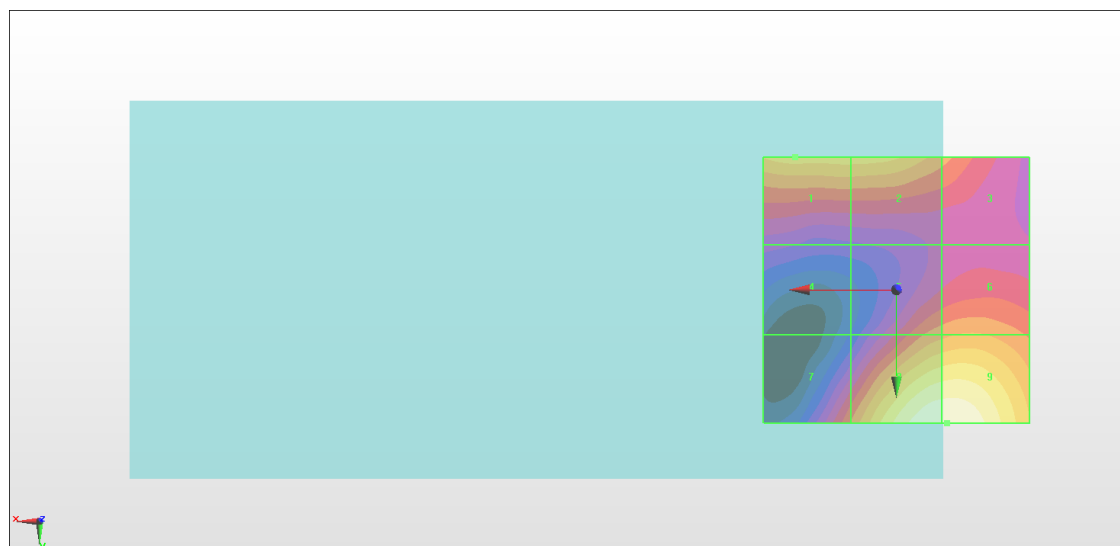
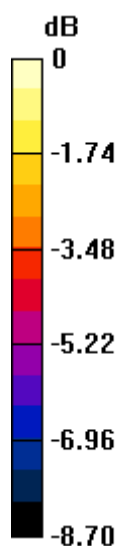
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M3</b><br><b>30.61 dBV/m</b> | Grid 2 <b>M3</b><br><b>30.59 dBV/m</b> | Grid 3 <b>M4</b><br><b>29.38 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>27.06 dBV/m</b> | Grid 5 <b>M4</b><br><b>29.5 dBV/m</b>  | Grid 6 <b>M4</b><br><b>29.75 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>29.18 dBV/m</b> | Grid 8 <b>M3</b><br><b>32.55 dBV/m</b> | Grid 9 <b>M3</b><br><b>32.56 dBV/m</b> |

**Cursor:**

Total = 32.56 dBV/m

E Category: M3

Location: -9.5, 25, 8.7 mm



0 dB = 42.44 V/m = 32.56 dBV/m