Attachment B
(RF Exposure evaluation)

Type / Model Name	:	CPK 3-MS
Product Description	:	Correlux wireless charging system
Applicant	:	Seba Dynatronic Mess- und Ortungstechnik GmbH
Address	:	Dr.-Herbert-Iann-Str. 6
		96148 BAUNACH, GERMANY
Manufacturer	:	Seba Dynatronic Mess- und Ortungstechnik GmbH
Address	:	Dr.-Herbert-Iann-Str. 6
		96148 BAUNACH, GERMANY
Licence holder	:	Seba Dynatronic Mess- und Ortungstechnik GmbH
Address	:	Dr.-Herbert-Iann-Str. 6
		96148 BAUNACH, GERMANY

according **to**

Test Report No. : T41060-01-00KJ	29. March 2017 Date of issue

Deutsche Akkreditierungsstelle D-PL-12030-01-01 D-PL-12030-01-02

Contents

1 TEST STANDARDS

The tests were performed according to following standards:

The test setup used for RF Exposure evaluation was based on guidance from the FCC. The operational description contains additional information.

2 TEST CONDITIONS AND RESULTS

2.1 RF exposure requirements (H-Field)

For test instruments and accessories used see section 6 Part **CPR 1**.

2.1.1 Description of the test location

Test location: S6

2.1.2 Used field probe

Manufacturer:	Type:	Frequency range:	Isotropicity:
Narda Safety Test Solutions	ELT-400 with 100 cm^2 B field probe	1 Hz to 400 kHz	0.5 dB

2.1.3 Description of measurement

With the probe at 0 cm above the surface each side is scanned across to find the highest field location. At the peak field location the probe is rotated in 90 degree increments to ensure that there are no variations. The probe is then withdrawn perpendicular to the surface in 2 cm increments, out to 10 cm. Thus measurements are made at 0, 2, 4, 6, 8 and 10 cm. The measurement is conducted with the lid of the case closed and then also, with the lid of the case opened.
With the lid of the case open, the initial height of the probe is at the same position as when the lid is closed.

The measurement is carried out for different combinations of coil loading. The measurement is performed for the empty and completely loaded case. In addition, the other combinations of coil loading (1, 2, 3 or 4 coils loaded) are measured.

Operation frequencies:
- TX at 246.38 kHz / 245.64 kHz / 245.48 kHz (COR MS-3 - multi-sensor)
- TX at 230.56 kHz / 229.17 kHz (COR PT-3 - power transmitter)

The limits in the following tables are taken from KDB 680106 D01. According to KDB 680106 D01 these limits apply for a user separation distance of 10 cm.

2.1.4 Test result

Empty box - lid closed (no coil loaded)

Measurement location / place	Measurement distance (cm)	Probe position (see photo documentation)	Magnetic field (µT RMS)	Conversion in to (A/m RMS)	Limit (A/m RMS)	Delta (dB)
front side	0	lc_nc_front	0.770	0.616	1.63	-8.5
	2		0.506	0.405	1.63	-12.1
	4		0.380	0.304	1.63	-14.6
	6		0.250	0.200	1.63	-18.2
	8		0.188	0.150	1.63	-20.7
	10		0.137	0.110	1.63	-23.4
left side	0	lc_nc_left	0.198	0.158	1.63	-20.2
	2		0.171	0.137	1.63	-21.5
	4		0.113	0.090	1.63	-25.1
	6		0.105	0.084	1.63	-25.8
	8		0.090	0.072	1.63	-27.1
	10		0.075	0.060	1.63	-28.7
right side	0	lc_nc_right	1.180	0.944	1.63	-4.7
	2		0.737	0.590	1.63	-8.8
	4		0.454	0.363	1.63	-13.0
	6		0.280	0.224	1.63	-17.2
	8		0.215	0.172	1.63	-19.5
	10		0.156	0.125	1.63	-22.3
back side	0	lc_nc_back	1.020	0.816	1.63	-6.0
	2		0.754	0.603	1.63	-8.6
	4		0.520	0.416	1.63	-11.9
	6		0.386	0.309	1.63	-14.5
	8		0.289	0.231	1.63	-17.0
	10		0.221	0.177	1.63	-19.3
top side	0	lc_nc_top	0.680	0.544	1.63	-9.5
	2		0.550	0.440	1.63	-11.4
	4		0.450	0.360	1.63	-13.1
	6		0.300	0.240	1.63	-16.6
	8		0.250	0.200	1.63	-18.2
	10		0.200	0.160	1.63	-20.2

Empty box - lid opened (no coil loaded)

Measurement location / place	Measurement distance (cm)	Probe position (see photo documentation)	Magnetic field (µT RMS)	Conversion in to (A/m RMS)	Limit (A/m RMS)	Delta (dB)
front side	0	lo_nc_front	0.650	0.520	1.63	-9.9
	2		0.412	0.330	1.63	-13.9
	4		0.269	0.215	1.63	-17.6
	6		0.164	0.131	1.63	-21.9
	8		0.125	0.100	1.63	-24.2
	10		0.094	0.075	1.63	-26.7
left side	0	lo_nc_left	0.170	0.136	1.63	-21.6
	2		0.132	0.106	1.63	-23.8
	4		0.106	0.085	1.63	-25.7
	6		0.088	0.070	1.63	-27.3
	8		0.076	0.061	1.63	-28.6
	10		0.067	0.054	1.63	-29.7
right side	0	lo_nc_right	1.031	0.825	1.63	-5.9
	2		0.602	0.482	1.63	-10.6
	4		0.402	0.322	1.63	-14.1
	6		0.280	0.224	1.63	-17.2
	8		0.193	0.154	1.63	-20.5
	10		0.144	0.115	1.63	-23.0
back side	0	lo_nc_back	0.975	0.780	1.63	-6.4
	2		0.669	0.535	1.63	-9.7
	4		0.477	0.382	1.63	-12.6
	6		0.350	0.280	1.63	-15.3
	8		0.250	0.200	1.63	-18.2
	10		0.187	0.150	1.63	-20.7
top side	0	lo_nc_top	0.798	0.638	1.63	-8.1
	2		0.591	0.473	1.63	-10.8
	4		0.465	0.372	1.63	-12.8
	6		0.380	0.304	1.63	-14.6
	8		0.300	0.240	1.63	-16.6
	10		0.248	0.198	1.63	-18.3

Charging mode - lid closed (1 coil loaded)

Measurement location / place	Measurement distance (cm)	Probe position (see photo documentation)	Magnetic field (µT RMS)	Conversion in to (A/m RMS)	Limit (A/m RMS)	Delta (dB)
front side	0	lc_1c_front	0.623	0.498	1.63	-10.3
	2		0.398	0.318	1.63	-14.2
	4		0.271	0.217	1.63	-17.5
	6		0.189	0.151	1.63	-20.7
	8		0.139	0.111	1.63	-23.3
	10		0.109	0.087	1.63	-25.4
left side	0	lc_1c_left	0.150	0.120	1.63	-22.7
	2		0.117	0.094	1.63	-24.8
	4		0.094	0.075	1.63	-26.7
	6		0.078	0.062	1.63	-28.3
	8		0.070	0.056	1.63	-29.3
	10		0.062	0.050	1.63	-30.3
right side	0	lc_1c_right	1.081	0.865	1.63	-5.5
	2		0.635	0.508	1.63	-10.1
	4		0.385	0.308	1.63	-14.5
	6		0.266	0.213	1.63	-17.7
	8		0.193	0.154	1.63	-20.5
	10		0.145	0.116	1.63	-23.0
back side	0	lc_1c_back	0.960	0.768	1.63	-6.5
	2		0.599	0.479	1.63	-10.6
	4		0.420	0.336	1.63	-13.7
	6		0.300	0.240	1.63	-16.6
	8		0.221	0.177	1.63	-19.3
	10		0.168	0.134	1.63	-21.7
top side	0	lc_1c_top	0.710	0.568	1.63	-9.2
	2		0.550	0.440	1.63	-11.4
	4		0.425	0.340	1.63	-13.6
	6		0.331	0.265	1.63	-15.8
	8		0.267	0.214	1.63	-17.7
	10		0.217	0.174	1.63	-19.5

Charging mode - lid opened (1 coil loaded)

Measurement location / place	Measurement distance (cm)	Probe position (see photo documentation)	Magnetic field (µT RMS)	Conversion in to (A/m RMS)	Limit (A/m RMS)	Delta (dB)
front side	0	lo_1c_front	0.655	0.524	1.63	-9.9
	2		0.416	0.333	1.63	-13.8
	4		0.285	0.228	1.63	-17.1
	6		0.195	0.156	1.63	-20.4
	8		0.142	0.114	1.63	-23.1
	10		0.109	0.087	1.63	-25.4
left side	0	lo_1c_left	0.144	0.115	1.63	-23.0
	2		0.109	0.087	1.63	-25.4
	4		0.088	0.070	1.63	-27.3
	6		0.074	0.059	1.63	-28.8
	8		0.065	0.052	1.63	-29.9
	10		0.058	0.046	1.63	-30.9
right side	0	lo_1c_right	1.048	0.838	1.63	-5.8
	2		0.620	0.496	1.63	-10.3
	4		0.390	0.312	1.63	-14.4
	6		0.251	0.201	1.63	-18.2
	8		0.179	0.143	1.63	-21.1
	10		0.134	0.107	1.63	-23.6
back side	0	lo_1c_back	0.962	0.770	1.63	-6.5
	2		0.638	0.510	1.63	-10.1
	4		0.445	0.356	1.63	-13.2
	6		0.315	0.252	1.63	-16.2
	8		0.231	0.185	1.63	-18.9
	10		0.178	0.142	1.63	-21.2
top side	0	lo_1c_top	0.840	0.672	1.63	-7.7
	2		0.620	0.496	1.63	-10.3
	4		0.480	0.384	1.63	-12.6
	6		0.381	0.305	1.63	-14.6
	8		0.305	0.244	1.63	-16.5
	10		0.250	0.200	1.63	-18.2

Charging mode - lid closed (2 coils loaded)

Measurement location / place	Measurement distance (cm)	Probe position (see photo documentation)	Magnetic field (µT RMS)	Conversion in to (A/m RMS)	Limit (A/m RMS)	Delta (dB)
front side	0	lc_2c_front	0.625	0.500	1.63	-10.3
	2		0.460	0.368	1.63	-12.9
	4		0.298	0.238	1.63	-16.7
	6		0.200	0.160	1.63	-20.2
	8		0.141	0.113	1.63	-23.2
	10		0.105	0.084	1.63	-25.8
left side	0	lc_2c_left	0.137	0.110	1.63	-23.4
	2		0.103	0.082	1.63	-25.9
	4		0.084	0.067	1.63	-27.7
	6		0.071	0.057	1.63	-29.2
	8		0.061	0.049	1.63	-30.5
	10		0.055	0.044	1.63	-31.4
right side	0	lc_2c_right	0.936	0.749	1.63	-6.8
	2		0.584	0.467	1.63	-10.9
	4		0.399	0.319	1.63	-14.2
	6		0.272	0.218	1.63	-17.5
	8		0.194	0.155	1.63	-20.4
	10		0.144	0.115	1.63	-23.0
back side	0	lc_2c_back	0.938	0.750	1.63	-6.7
	2		0.625	0.500	1.63	-10.3
	4		0.430	0.344	1.63	-13.5
	6		0.311	0.249	1.63	-16.3
	8		0.225	0.180	1.63	-19.1
	10		0.166	0.133	1.63	-21.8
top side	0	lc_2c_top	0.723	0.578	1.63	-9.0
	2		0.558	0.446	1.63	-11.2
	4		0.432	0.346	1.63	-13.5
	6		0.344	0.275	1.63	-15.5
	8		0.278	0.222	1.63	-17.3
	10		0.230	0.184	1.63	-18.9

Charging mode - lid opened (2 coils loaded)

Measurement location / place	Measurement distance (cm)	Probe position (see photo documentation)	Magnetic field (µT RMS)	Conversion in to (A/m RMS)	Limit (A/m RMS)	Delta (dB)
front side	0	lo_2c_front	0.647	0.518	1.63	-10.0
	2		0.398	0.318	1.63	-14.2
	4		0.259	0.207	1.63	-17.9
	6		0.184	0.147	1.63	-20.9
	8		0.131	0.105	1.63	-23.8
	10		0.100	0.080	1.63	-26.2
left side	0	lo_2c_left	0.143	0.114	1.63	-23.1
	2		0.109	0.087	1.63	-25.4
	4		0.087	0.070	1.63	-27.4
	6		0.073	0.058	1.63	-28.9
	8		0.063	0.050	1.63	-30.2
	10		0.057	0.046	1.63	-31.1
right side	0	lo_2c_right	0.997	0.798	1.63	-6.2
	2		0.580	0.464	1.63	-10.9
	4		0.399	0.319	1.63	-14.2
	6		0.270	0.216	1.63	-17.6
	8		0.193	0.154	1.63	-20.5
	10		0.140	0.112	1.63	-23.3
back side	0	lo_2c_back	0.975	0.780	1.63	-6.4
	2		0.675	0.540	1.63	-9.6
	4		0.454	0.363	1.63	-13.0
	6		0.329	0.263	1.63	-15.8
	8		0.238	0.190	1.63	-18.7
	10		0.180	0.144	1.63	-21.1
top side	0	lo_2c_top	1.049	0.839	1.63	-5.8
	2		0.751	0.601	1.63	-8.7
	4		0.577	0.462	1.63	-11.0
	6		0.449	0.359	1.63	-13.1
	8		0.355	0.284	1.63	-15.2
	10		0.289	0.231	1.63	-17.0

Charging mode - lid closed (3 coils loaded)

Measurement location / place	Measurement distance (cm)	Probe position (see photo documentation)	Magnetic field (µT RMS)	Conversion in to (A/m RMS)	Limit (A/m RMS)	Delta (dB)
front side	0	lc_3c_front	0.623	0.498	1.63	-10.3
	2		0.375	0.300	1.63	-14.7
	4		0.261	0.209	1.63	-17.8
	6		0.182	0.146	1.63	-21.0
	8		0.132	0.106	1.63	-23.8
	10		0.104	0.083	1.63	-25.8
left side	0	lc_3c_left	0.144	0.115	1.63	-23.0
	2		0.109	0.087	1.63	-25.4
	4		0.088	0.070	1.63	-27.3
	6		0.073	0.058	1.63	-28.9
	8		0.063	0.050	1.63	-30.2
	10		0.057	0.046	1.63	-31.1
right side	0	lc_3c_right	1.018	0.814	1.63	-6.0
	2		0.588	0.470	1.63	-10.8
	4		0.366	0.293	1.63	-14.9
	6		0.240	0.192	1.63	-18.6
	8		0.165	0.132	1.63	-21.8
	10		0.122	0.098	1.63	-24.5
back side	0	lc_3c_back	0.950	0.760	1.63	-6.6
	2		0.630	0.504	1.63	-10.2
	4		0.450	0.360	1.63	-13.1
	6		0.326	0.261	1.63	-15.9
	8		0.235	0.188	1.63	-18.8
	10		0.178	0.142	1.63	-21.2
top side	0	lc_3c_top	0.724	0.579	1.63	-9.0
	2		0.537	0.430	1.63	-11.6
	4		0.421	0.337	1.63	-13.7
	6		0.333	0.266	1.63	-15.7
	8		0.270	0.216	1.63	-17.6
	10		0.217	0.174	1.63	-19.5

Charging mode - lid opened (3 coils loaded)

Measurement location / place	Measurement distance (cm)	Probe position (see photo documentation)	Magnetic field (µT RMS)	Conversion in to (A/m RMS)	Limit (A/m RMS)	Delta (dB)
front side	0	lo_3c_front	0.650	0.520	1.63	-9.9
	2		0.375	0.300	1.63	-14.7
	4		0.249	0.199	1.63	-18.3
	6		0.168	0.134	1.63	-21.7
	8		0.122	0.098	1.63	-24.5
	10		0.094	0.075	1.63	-26.7
left side	0	lo_3c_left	0.146	0.117	1.63	-22.9
	2		0.130	0.104	1.63	-23.9
	4		0.101	0.081	1.63	-26.1
	6		0.083	0.066	1.63	-27.8
	8		0.071	0.057	1.63	-29.2
	10		0.063	0.050	1.63	-30.2
right side	0	lo_3c_right	0.950	0.760	1.63	-6.6
	2		0.482	0.386	1.63	-12.5
	4		0.312	0.250	1.63	-16.3
	6		0.207	0.166	1.63	-19.9
	8		0.144	0.115	1.63	-23.0
	10		0.109	0.087	1.63	-25.4
back side	0	lo_3c_back	0.951	0.761	1.63	-6.6
	2		0.625	0.500	1.63	-10.3
	4		0.445	0.356	1.63	-13.2
	6		0.320	0.256	1.63	-16.1
	8		0.230	0.184	1.63	-18.9
	10		0.179	0.143	1.63	-21.1
top side	0	lo_3c_top	0.825	0.660	1.63	-7.9
	2		0.610	0.488	1.63	-10.5
	4		0.480	0.384	1.63	-12.6
	6		0.381	0.305	1.63	-14.6
	8		0.309	0.247	1.63	-16.4
	10		0.255	0.204	1.63	-18.1

Charging mode - lid closed (4 coils loaded)

Measurement location / place	Measurement distance (cm)	Probe position (see photo documentation)	Magnetic field (µT RMS)	Conversion in to (A/m RMS)	Limit (A/m RMS)	Delta (dB)
front side	0	lc_4c_front	0.640	0.512	1.63	-10.1
	2		0.391	0.313	1.63	-14.3
	4		0.260	0.208	1.63	-17.9
	6		0.177	0.142	1.63	-21.2
	8		0.130	0.104	1.63	-23.9
	10		0.101	0.081	1.63	-26.1
left side	0	lc_4c_left	0.141	0.113	1.63	-23.2
	2		0.110	0.088	1.63	-25.4
	4		0.092	0.074	1.63	-26.9
	6		0.078	0.062	1.63	-28.3
	8		0.069	0.055	1.63	-29.4
	10		0.064	0.051	1.63	-30.1
right side	0	lc_4c_right	1.032	0.826	1.63	-5.9
	2		0.572	0.458	1.63	-11.0
	4		0.365	0.292	1.63	-14.9
	6		0.243	0.194	1.63	-18.5
	8		0.170	0.136	1.63	-21.6
	10		0.128	0.102	1.63	-24.0
back side	0	lc_4c_back	0.935	0.748	1.63	-6.8
	2		0.578	0.462	1.63	-10.9
	4		0.403	0.322	1.63	-14.1
	6		0.288	0.230	1.63	-17.0
	8		0.206	0.165	1.63	-19.9
	10		0.159	0.127	1.63	-22.2
top side	0	lc_4c_top	0.710	0.568	1.63	-9.2
	2		0.550	0.440	1.63	-11.4
	4		0.425	0.340	1.63	-13.6
	6		0.350	0.280	1.63	-15.3
	8		0.283	0.226	1.63	-17.1
	10		0.235	0.188	1.63	-18.8

Charging mode - lid opened (4 coils loaded)

Measurement location / place	Measurement distance (cm)	Probe position (see photo documentation)	Magnetic field (µT RMS)	Conversion in to (A/m RMS)	Limit (A/m RMS)	Delta (dB)
front side	0	lo_4c_front	0.634	0.507	1.63	-10.1
	2		0.368	0.294	1.63	-14.9
	4		0.240	0.192	1.63	-18.6
	6		0.168	0.134	1.63	-21.7
	8		0.120	0.096	1.63	-24.6
	10		0.095	0.076	1.63	-26.6
left side	0	lo_4c_left	0.144	0.115	1.63	-23.0
	2		0.110	0.088	1.63	-25.4
	4		0.089	0.071	1.63	-27.2
	6		0.075	0.060	1.63	-28.7
	8		0.067	0.054	1.63	-29.7
	10		0.060	0.048	1.63	-30.6
right side	0	lo_4c_right	0.968	0.774	1.63	-6.5
	2		0.710	0.568	1.63	-9.2
	4		0.393	0.314	1.63	-14.3
	6		0.250	0.200	1.63	-18.2
	8		0.171	0.137	1.63	-21.5
	10		0.115	0.092	1.63	-25.0
back side	0	lo_4c_back	0.941	0.753	1.63	-6.7
	2		0.608	0.486	1.63	-10.5
	4		0.420	0.336	1.63	-13.7
	6		0.298	0.238	1.63	-16.7
	8		0.216	0.173	1.63	-19.5
	10		0.163	0.130	1.63	-21.9
top side	0	lo_4c_top	0.780	0.624	1.63	-8.3
	2		0.567	0.454	1.63	-11.1
	4		0.440	0.352	1.63	-13.3
	6		0.352	0.282	1.63	-15.3
	8		0.285	0.228	1.63	-17.1
	10		0.230	0.184	1.63	-18.9

Charging mode - lid closed (5 coils loaded)

Measurement location / place	Measurement distance (cm)	Probe position (see photo documentation)	Magnetic field (µT RMS)	Conversion in to (A/m RMS)	Limit (A/m RMS)	Delta (dB)
front side	0	lc_5c_front	0.631	0.505	1.63	-10.2
	2		0.394	0.315	1.63	-14.3
	4		0.270	0.216	1.63	-17.6
	6		0.186	0.149	1.63	-20.8
	8		0.140	0.112	1.63	-23.3
	10		0.109	0.087	1.63	-25.4
left side	0	lc_5c_left	0.149	0.119	1.63	-22.7
	2		0.112	0.090	1.63	-25.2
	4		0.093	0.074	1.63	-26.8
	6		0.080	0.064	1.63	-28.1
	8		0.071	0.057	1.63	-29.2
	10		0.066	0.053	1.63	-29.8
right side	0	lc_5c_right	1.075	0.860	1.63	-5.6
	2		0.605	0.484	1.63	-10.5
	4		0.387	0.310	1.63	-14.4
	6		0.260	0.208	1.63	-17.9
	8		0.186	0.149	1.63	-20.8
	10		0.138	0.110	1.63	-23.4
back side	0	lc_5c_back	0.934	0.747	1.63	-6.8
	2		0.642	0.514	1.63	-10.0
	4		0.434	0.347	1.63	-13.4
	6		0.315	0.252	1.63	-16.2
	8		0.226	0.181	1.63	-19.1
	10		0.173	0.138	1.63	-21.4
top side	0	lc_5c_top	0.712	0.570	1.63	-9.1
	2		0.522	0.418	1.63	-11.8
	4		0.410	0.328	1.63	-13.9
	6		0.327	0.262	1.63	-15.9
	8		0.265	0.212	1.63	-17.7
	10		0.222	0.178	1.63	-19.3

Charging mode - lid opened (5 coils loaded)

Measurement location / place	Measurement distance (cm)	Probe position (see photo documentation)	Magnetic field (µT RMS)	Conversion in to (A/m RMS)	Limit (A/m RMS)	Delta (dB)
front side	0	lo_5c_front	0.650	0.520	1.63	-9.9
	2		0.396	0.317	1.63	-14.2
	4		0.262	0.210	1.63	-17.8
	6		0.180	0.144	1.63	-21.1
	8		0.135	0.108	1.63	-23.6
	10		0.106	0.085	1.63	-25.7
left side	0	lo_5c_left	0.142	0.114	1.63	-23.1
	2		0.109	0.087	1.63	-25.4
	4		0.092	0.074	1.63	-26.9
	6		0.078	0.062	1.63	-28.3
	8		0.070	0.056	1.63	-29.3
	10		0.064	0.051	1.63	-30.1
right side	0	lo_5c_right	1.066	0.853	1.63	-5.6
	2		0.630	0.504	1.63	-10.2
	4		0.411	0.329	1.63	-13.9
	6		0.273	0.218	1.63	-17.5
	8		0.195	0.156	1.63	-20.4
	10		0.145	0.116	1.63	-23.0
back side	0	lo_5c_back	0.950	0.760	1.63	-6.6
	2		0.625	0.500	1.63	-10.3
	4		0.438	0.350	1.63	-13.4
	6		0.312	0.250	1.63	-16.3
	8		0.227	0.182	1.63	-19.1
	10		0.170	0.136	1.63	-21.6
top side	0	lo_5c_top	0.982	0.786	1.63	-6.3
	2		0.695	0.556	1.63	-9.3
	4		0.535	0.428	1.63	-11.6
	6		0.419	0.335	1.63	-13.7
	8		0.328	0.262	1.63	-15.9
	10		0.275	0.220	1.63	-17.4

The requirements are **FULFILLED.**

Remarks: _____

_____

2.2 RF exposure requirements (E-Field)

For test instruments and accessories used see section 6 Part **CPR 1**.

2.2.1 Description of the test location

Test location: S6
Test distance: 10 cm

2.2.2 Used field probe

Manufacturer:	Type:	Frequency range:	Isotropicity:
Narda Safety Test Solutions	PMM EP-601	10 kHz to 9.25 GHz	0.5 dB

2.2.3 Description of Measurement

With the probe at 0 cm above the surface each side is scanned across to find the highest field location. At the peak field location the probe is rotated in 90 degree increments to ensure that there are no variations. The probe is then withdrawn perpendicular to the surface in 2 cm increments, out to 10 cm. Thus measurements are made at 0, 2, 4, 6, 8 and 10 cm. The measurement is conducted with the lid of the case closed and then also, with the lid of the case opened.
With the lid of the case open, the initial height of the probe is at the same position as when the lid is closed.

The measurement is carried out for different combinations of coil loading. The measurement is performed for the empty and completely loaded case. In addition, the other combinations of coil loading (1, 2, 3 or 4 coils loaded) are measured.

Operation frequencies:
- TX at 246.38 kHz / 245.64 kHz / 245.48 kHz (COR MS-3 - multi-sensor)
- TX at 230.56 kHz / 229.17 kHz (COR PT-3 - power transmitter)

The limits in the following tables are taken from KDB 680106 D01. According to KDB 680106 D01 these limits apply for a user separation distance of 10 cm.

2.2.4 Test result

Empty box - lid closed (no coil loaded)

Measurement location / place	Measurement distance (cm)	Probe position (see photo documentation)	Electric field (V/m)	Limit (V/m Pk)	Delta (dB)
front side	0	lc_nc_front	12.4	614	-33.9
	2		7.6	614	-38.1
	4		5.0	614	-41.8
	6		3.4	614	-45.1
	8		2.6	614	-47.5
	10		1.9	614	-50.2
left side	0	lc_nc_left	1.2	614	-54.2
	2		0.8	614	-57.7
	4		0.6	614	-60.2
	6		0.5	614	-61.8
	8		0.5	614	-61.8
	10		0.4	614	-63.7
right side	0	lc_nc_right	7.8	614	-37.9
	2		3.8	614	-44.2
	4		2.6	614	-47.5
	6		1.7	614	-51.2
	8		1.1	614	-54.9
	10		0.8	614	-57.7
back side	0	lc_nc_back	4.2	614	-43.3
	2		2.3	614	-48.5
	4		1.7	614	-51.2
	6		1.2	614	-54.2
	8		0.9	614	-56.7
	10		0.8	614	-57.7
top side	0	lc_nc_top	1.2	614	-54.2
	2		0.8	614	-57.7
	4		0.6	614	-60.2
	6		0.6	614	-61.0
	8		0.5	614	-61.8
	10		0.4	614	-63.7

Empty box - lid opened (no coil loaded)

Measurement location / place	Measurement distance (cm)	Probe position (see photo documentation)	Electric field (V/m)	Limit (V/m Pk)	Delta (dB)
front side	0	lo_nc_front	12.3	614	-34.0
	2		7.5	614	-38.3
	4		4.9	614	-42.0
	6		3.3	614	-45.4
	8		2.4	614	-48.2
	10		1.8	614	-50.7
left side	0	lo_nc_left	1.0	614	-55.8
	2		0.7	614	-58.9
	4		0.7	614	-58.9
	6		0.6	614	-60.2
	8		0.4	614	-63.7
	10		0.3	614	-66.2
right side	0	lo_nc_right	4.3	614	-43.1
	2		2.5	614	-47.8
	4		1.7	614	-51.2
	6		1.2	614	-54.2
	8		0.8	614	-57.7
	10		0.7	614	-58.9
back side	0	lo_nc_back	6.9	614	-39.0
	2		3.5	614	-44.9
	4		2.1	614	-49.3
	6		1.4	614	-52.8
	8		1.0	614	-55.8
	10		0.8	614	-57.7
top side	0	lo_nc_top	2.4	614	-48.2
	2		1.8	614	-50.7
	4		1.6	614	-51.7
	6		1.4	614	-52.8
	8		0.9	614	-56.7
	10		0.6	614	-60.2

Charging mode - lid closed (1 coil loaded)

Measurement location / place	Measurement distance (cm)	Probe position (see photo documentation)	Electric field (V/m)	Limit (V/m Pk)	Delta (dB)
front side	0	lc_1c_front	14.4	614	-32.6
	2		9.0	614	-36.7
	4		6.2	614	-39.9
	6		4.3	614	-43.1
	8		3.2	614	-45.7
	10		2.5	614	-47.8
left side	0	lc_1c_left	3.8	614	-44.2
	2		2.9	614	-46.5
	4		2.1	614	-49.3
	6		1.7	614	-51.2
	8		1.4	614	-52.8
	10		1.1	614	-54.9
right side	0	lc_1c_right	7.1	614	-38.7
	2		3.8	614	-44.2
	4		2.4	614	-48.2
	6		1.7	614	-51.2
	8		1.3	614	-53.5
	10		1.1	614	-54.9
back side	0	lc_1c_back	4.3	614	-43.1
	2		2.7	614	-47.1
	4		1.8	614	-50.7
	6		1.4	614	-52.8
	8		1.1	614	-54.9
	10		0.8	614	-57.7
top side	0	lc_1c_top	2.3	614	-48.5
	2		1.9	614	-50.2
	4		1.5	614	-52.2
	6		1.2	614	-54.2
	8		1.1	614	-54.9
	10		0.8	614	-57.7

Charging mode - lid opened (1 coil loaded)

Measurement location / place	Measurement distance (cm)	Probe position (see photo documentation)	Electric field (V/m)	Limit (V/m Pk)	Delta (dB)
front side	0	lo_1c_front	15.1	614	-32.2
	2		10.2	614	-35.6
	4		6.8	614	-39.1
	6		4.9	614	-42.0
	8		3.5	614	-44.9
	10		2.8	614	-46.8
left side	0	lo_1c_left	3.8	614	-44.2
	2		2.9	614	-46.5
	4		2.2	614	-48.9
	6		1.7	614	-51.2
	8		1.4	614	-52.8
	10		1.2	614	-54.2
right side	0	lo_1c_right	7.1	614	-38.7
	2		3.7	614	-44.4
	4		2.4	614	-48.2
	6		1.7	614	-51.2
	8		1.1	614	-54.9
	10		0.9	614	-56.7
back side	0	lo_1c_back	4.4	614	-42.9
	2		2.8	614	-46.8
	4		2.0	614	-49.7
	6		1.5	614	-52.2
	8		1.2	614	-54.2
	10		0.8	614	-57.7
top side	0	lo_1c_top	3.5	614	-44.9
	2		2.5	614	-47.8
	4		2.1	614	-49.3
	6		1.7	614	-51.2
	8		1.2	614	-54.2
	10		1.1	614	-54.9

Charging mode - lid closed (2 coils loaded)

Measurement location / place	Measurement distance (cm)	Probe position (see photo documentation)	Electric field (V/m)	Limit (V/m Pk)	Delta (dB)
front side	0	lc_2c_front	25.2	614	-27.7
	2		17.5	614	-30.9
	4		12.1	614	-34.1
	6		8.5	614	-37.2
	8		6.2	614	-39.9
	10		4.4	614	-42.9
left side	0	lc_2c_left	4.0	614	-43.7
	2		3.0	614	-46.2
	4		2.4	614	-48.2
	6		1.9	614	-50.2
	8		1.6	614	-51.7
	10		1.3	614	-53.5
right side	0	lc_2c_right	7.2	614	-38.6
	2		3.9	614	-43.9
	4		2.7	614	-47.1
	6		1.9	614	-50.2
	8		1.6	614	-51.7
	10		1.2	614	-54.1
back side	0	lc_2c_back	4.3	614	-43.1
	2		2.7	614	-47.1
	4		1.9	614	-50.2
	6		1.4	614	-52.8
	8		1.2	614	-54.2
	10		1.0	614	-55.8
top side	0	lc_2c_top	4.0	614	-43.7
	2		3.0	614	-46.2
	4		2.4	614	-48.2
	6		1.9	614	-50.2
	8		1.4	614	-52.8
	10		1.2	614	-54.2

Charging mode - lid opened (2 coils loaded)

Measurement location / place	Measurement distance (cm)	Probe position (see photo documentation)	Electric field (V/m)	Limit (V/m Pk)	Delta (dB)
front side	0	lo_2c_front	26.5	614	-27.3
	2		18.2	614	-30.6
	4		12.5	614	-33.8
	6		8.7	614	-37.0
	8		6.4	614	-39.6
	10		5.0	614	-41.8
left side	0	lo_2c_left	4.1	614	-43.5
	2		3.1	614	-45.9
	4		2.5	614	-47.8
	6		1.9	614	-50.2
	8		1.6	614	-51.7
	10		1.3	614	-53.5
right side	0	lo_2c_right	7.2	614	-38.6
	2		3.9	614	-43.9
	4		2.6	614	-47.5
	6		2.0	614	-49.7
	8		1.5	614	-52.2
	10		1.3	614	-53.5
back side	0	lo_2c_back	4.3	614	-43.1
	2		2.7	614	-47.1
	4		1.9	614	-50.2
	6		1.3	614	-53.5
	8		1.1	614	-54.9
	10		0.9	614	-56.7
top side	0	lo_2c_top	4.8	614	-42.1
	2		3.7	614	-44.4
	4		2.9	614	-46.5
	6		2.3	614	-48.5
	8		1.8	614	-50.7
	10		1.5	614	-52.2

Charging mode - lid closed (3 coils loaded)

Measurement location / place	Measurement distance (cm)	Probe position (see photo documentation)	Electric field (V/m)	Limit (V/m Pk)	Delta (dB)
front side	0	lc_3c_front	25.9	614	-27.5
	2		17.5	614	-30.9
	4		12.0	614	-34.2
	6		8.4	614	-37.3
	8		5.9	614	-40.3
	10		4.4	614	-42.9
left side	0	lc_3c_left	4.3	614	-43.1
	2		3.1	614	-45.9
	4		2.5	614	-47.8
	6		2.1	614	-49.3
	8		1.7	614	-51.2
	10		1.3	614	-53.5
right side	0	lc_3c_right	7.4	614	-38.4
	2		3.9	614	-43.9
	4		2.6	614	-47.5
	6		1.9	614	-50.2
	8		1.5	614	-52.2
	10		1.3	614	-53.5
back side	0	lc_3c_back	4.3	614	-43.1
	2		2.9	614	-46.5
	4		2.1	614	-49.3
	6		1.7	614	-51.2
	8		1.3	614	-53.5
	10		1.0	614	-55.8
top side	0	lc_3c_top	4.0	614	-43.7
	2		2.9	614	-46.5
	4		2.3	614	-48.5
	6		1.8	614	-50.7
	8		1.6	614	-51.7
	10		1.3	614	-53.5

Charging mode - lid opened (3 coils loaded)

Measurement location / place	Measurement distance (cm)	Probe position (see photo documentation)	Electric field (V/m)	Limit (V/m Pk)	Delta (dB)
front side	0	lo_3c_front	27.1	614	-27.1
	2		17.3	614	-31.0
	4		12.0	614	-34.2
	6		8.5	614	-37.2
	8		6.2	614	-39.9
	10		4.6	614	-42.5
left side	0	lo_3c_left	4.3	614	-43.1
	2		3.2	614	-45.7
	4		2.5	614	-47.8
	6		2.0	614	-49.7
	8		1.7	614	-51.2
	10		1.4	614	-52.8
right side	0	lo_3c_right	7.0	614	-38.9
	2		3.9	614	-43.9
	4		2.7	614	-47.1
	6		2.0	614	-49.7
	8		1.6	614	-51.7
	10		1.3	614	-53.5
back side	0	lo_3c_back	4.1	614	-43.5
	2		2.8	614	-46.8
	4		2.1	614	-49.3
	6		1.7	614	-51.2
	8		1.3	614	-53.5
	10		1.0	614	-55.8
top side	0	lo_3c_top	5.5	614	-41.0
	2		3.9	614	-43.9
	4		3.1	614	-45.9
	6		2.5	614	-47.8
	8		2.0	614	-49.7
	10		1.6	614	-51.7

Charging mode - lid closed (4 coils loaded)

Measurement location / place	Measurement distance (cm)	Probe position (see photo documentation)	Electric field (V/m)	Limit (V/m Pk)	Delta (dB)
front side	0	lc_4c_front	25.0	614	-27.8
	2		16.7	614	-31.3
	4		11.6	614	-34.5
	6		8.4	614	-37.3
	8		6.0	614	-40.2
	10		4.5	614	-42.7
left side	0	lc_4c_left	4.2	614	-43.3
	2		3.0	614	-46.2
	4		2.4	614	-48.2
	6		2.0	614	-49.7
	8		1.7	614	-51.2
	10		1.3	614	-53.5
right side	0	lc_4c_right	7.5	614	-38.3
	2		4.1	614	-43.5
	4		2.7	614	-47.1
	6		2.0	614	-49.7
	8		1.6	614	-51.7
	10		1.3	614	-53.5
back side	0	lc_4c_back	4.4	614	-42.9
	2		2.9	614	-46.5
	4		2.0	614	-49.7
	6		1.6	614	-51.7
	8		1.2	614	-54.2
	10		1.0	614	-55.8
top side	0	lc_4c_top	4.0	614	-43.7
	2		3.0	614	-46.2
	4		2.3	614	-48.5
	6		1.9	614	-50.2
	8		1.5	614	-52.2
	10		1.2	614	-54.2

Charging mode - lid opened (4 coils loaded)

Measurement location / place	Measurement distance (cm)	Probe position (see photo documentation)	Electric field (V/m)	Limit (V/m Pk)	Delta (dB)
front side	0	lo_4c_front	26.3	614	-27.4
	2		17.4	614	-31.0
	4		12.3	614	-34.0
	6		8.8	614	-36.9
	8		6.3	614	-39.8
	10		4.5	614	-42.7
left side	0	lo_4c_left	4.1	614	-43.5
	2		3.2	614	-45.7
	4		2.6	614	-47.5
	6		2.0	614	-49.7
	8		1.6	614	-51.7
	10		1.3	614	-53.5
right side	0	lo_4c_right	7.4	614	-38.4
	2		4.0	614	-43.7
	4		2.7	614	-47.1
	6		2.0	614	-49.7
	8		1.6	614	-51.7
	10		1.3	614	-53.5
back side	0	lo_4c_back	4.3	614	-43.1
	2		3.1	614	-45.9
	4		2.3	614	-48.5
	6		1.8	614	-50.7
	8		1.3	614	-53.5
	10		1.1	614	-54.9
top side	0	lo_4c_top	4.6	614	-42.5
	2		3.5	614	-44.9
	4		2.8	614	-46.8
	6		2.3	614	-48.5
	8		1.9	614	-50.2
	10		1.5	614	-52.2

Charging mode - lid closed (5 coils loaded)

Measurement location / place	Measurement distance (cm)	Probe position (see photo documentation)	Electric field (V/m)	Limit (V/m Pk)	Delta (dB)
front side	0	lc_5c_front	26.1	614	-27.4
	2		17.7	614	-30.8
	4		12.3	614	-34.0
	6		8.9	614	-36.8
	8		6.4	614	-39.6
	10		4.7	614	-42.3
left side	0	lc_5c_left	4.0	614	-43.7
	2		3.1	614	-45.9
	4		2.4	614	-48.2
	6		2.0	614	-49.7
	8		1.6	614	-51.7
	10		1.4	614	-52.8
right side	0	lc_5c_right	6.9	614	-39.0
	2		4.1	614	-43.5
	4		2.9	614	-46.5
	6		2.2	614	-48.9
	8		1.7	614	-51.2
	10		1.4	614	-52.8
back side	0	lc_5c_back	4.3	614	-43.1
	2		2.9	614	-46.5
	4		2.2	614	-48.9
	6		1.8	614	-50.7
	8		1.4	614	-52.8
	10		1.2	614	-54.2
top side	0	lc_5c_top	3.9	614	-43.9
	2		3.0	614	-46.2
	4		2.3	614	-48.5
	6		1.9	614	-50.2
	8		1.5	614	-52.2
	10		1.3	614	-53.5

Charging mode - lid opened (5 coils loaded)

Measurement location / place	Measurement distance (cm)	Probe position (see photo documentation)	Electric field (V/m)	Limit (V/m Pk)	Delta (dB)
front side	0	lo_5c_front	26.8	614	-27.2
	2		17.8	614	-30.8
	4		12.4	614	-33.9
	6		8.7	614	-37.0
	8		6.3	614	-39.8
	10		4.8	614	-42.1
left side	0	lo_5c_left	4.2	614	-43.3
	2		3.2	614	-45.7
	4		2.5	614	-47.8
	6		2.0	614	-49.7
	8		1.6	614	-51.7
	10		1.4	614	-52.8
right side	0	lo_5c_right	7.1	614	-38.7
	2		4.2	614	-43.3
	4		2.9	614	-46.5
	6		2.2	614	-48.9
	8		1.7	614	-51.2
	10		1.4	614	-52.8
back side	0	lo_5c_back	4.3	614	-43.1
	2		2.9	614	-46.5
	4		2.1	614	-49.3
	6		1.7	614	-51.2
	8		1.3	614	-53.5
	10		1.1	614	-54.9
top side	0	lo_5c_top	5.8	614	-40.5
	2		4.3	614	-43.1
	4		3.4	614	-45.1
	6		2.7	614	-47.1
	8		2.2	614	-48.9
	10		1.8	614	-50.7

The requirements are **FULFILLED.**

Remarks: _____

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3 USED TEST EQUIPMENT AND ACCESSORIES

All test instruments used are calibrated and verified regularly. The calibration history is available on request.

Test ID	Model Type	Equipment No.	Next Calib.	Last Calib.	Next Verif.	Last Verif.
CPR 1	ELT-400	01-02/40-13-001	11/05/2017	11/02/2015		
	100 cm²	01-02/40-13-002	09/05/2017	09/02/2015		
	EP-601	01-02/50-14-013	04/10/2017	04/10/2016		