

### **Appendix 3. SAR Distribution Scans**

This appendix contains SAR distribution scans which are not included in the total number of pages for this report.

Scan Reference Number	Title
1	Back of EUT Facing Phantom GPRS Middle CH190
2	Back of EUT Facing Phantom GPRS Low CH128
3	Back of EUT Facing Phantom GPRS High CH251
4	Top of EUT Facing Phantom GPRS Middle CH190
5	Top of EUT Facing Phantom GPRS Low CH128
6	Top of EUT Facing Phantom GPRS High CH251
7	Right of EUT Facing Phantom GPRS Middle CH190
8	Back of EUT Facing Phantom GPRS1900 2Tx CH661
9	Back of EUT Facing Phantom GPRS1900 2Tx CH512
10	Back of EUT Facing Phantom GPRS1900 2Tx CH810
11	Top of EUT Facing Phantom GPRS1900 2Tx CH661
12	Top of EUT Facing Phantom GPRS1900 2Tx CH512
13	Top of EUT Facing Phantom GPRS1900 2Tx CH810
14	Right Edge of EUT Facing Phantom GPRS1900 2Tx CH661
15	Back of EUT Facing Phantom UMTS Band 2 CH9538
16	Back of EUT Facing Phantom UMTS Band 2 CH9400
17	Back of EUT Facing Phantom UMTS Band 2 CH9262
18	Top of EUT Facing Phantom UMTS Band 2 CH9538
19	Top of EUT Facing Phantom UMTS Band 2 CH9400
20	Top of EUT Facing Phantom UMTS Band 2 CH9262
21	Right of EUT Facing Phantom UMTS Band 2 CH9538
22	Back of EUT Facing Phantom UMTS FDD 5 CH4183
23	Back of EUT Facing Phantom UMTS FDD 5 CH4132
24	Back of EUT Facing Phantom UMTS FDD 5 CH4233
25	Top of EUT Facing Phantom UMTS FDD 5 CH4183
26	Right of EUT Facing Phantom UMTS FDD 5 CH4183
27	Back of EUT Facing Phantom LTE Band 2 1 RB Mid CH18900
28	Back of EUT Facing Phantom LTE Band 2 1 RB Mid CH18700
29	Back of EUT Facing Phantom LTE Band 2 1 RB Mid CH19100
30	Back of EUT Facing Phantom LTE Band 2 50% RB Mid CH18900
31	Back of EUT Facing Phantom LTE Band 2 50% RB Mid CH18700
32	Back of EUT Facing Phantom LTE Band 2 50% RB Mid CH19100

Scan Reference Number	Title
33	Back of EUT Facing Phantom LTE Band 2 100% RB CH18900
34	Top of EUT Facing Phantom LTE Band 2 1 RB Mid CH18900
35	Top of EUT Facing Phantom LTE Band 2 1 RB Mid CH18700
36	Top of EUT Facing Phantom LTE Band 2 1 RB Mid CH19100
37	Top of EUT Facing Phantom LTE Band 2 50% RB Mid CH18900
38	Top of EUT Facing Phantom LTE Band 2 50% RB Mid CH18700
39	Top of EUT Facing Phantom LTE Band 2 50% RB Mid CH19100
40	Top of EUT Facing Phantom LTE Band 2 100% RB CH18900
41	Right of EUT Facing Phantom LTE Band 2 1 RB Mid CH18900
42	Right of EUT Facing Phantom LTE Band 2 50% RB Mid CH18900
43	Back of EUT Facing Phantom LTE 5 1RB High CH20525
44	Back of EUT Facing Phantom LTE 5 1RB High CH20450
45	Back of EUT Facing Phantom LTE 5 1RB High CH20600
46	Back of EUT Facing Phantom LTE 5 50%RB Low CH20450
47	Back of EUT Facing Phantom LTE 5 100%RB CH20525
48	Top of EUT Facing Phantom LTE 5 1RB High CH20525
49	Top of EUT Facing Phantom LTE 5 50% RB Low CH20450
50	Right of EUT Facing Phantom LTE 5 1RB High CH20525
51	Right of EUT Facing Phantom LTE 5 50%RB Low CH20450
52	Back Of EUT Facing Phantom WiFi 802.11b 1Mbps Antenna 1 CH6
53	Left Hand Side Of EUT Facing Phantom WiFi 802.11b 1Mbps Antenna 1 CH6
54	Bottom Of EUT Facing Phantom WiFi 802.11b 1Mbps Antenna 1 CH6
55	Bottom Of EUT Facing Phantom WiFi 802.11b 1Mbps Antenna 1 CH1
56	Bottom Of EUT Facing Phantom WiFi 802.11b 1Mbps Antenna 1 CH11
57	Back Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps Antenna 1 CH6
58	Left Hand Side Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps Antenna 1 CH6
59	Bottom Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps Antenna 1 CH6
60	Bottom Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps Antenna 1 CH1
61	Bottom Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps Antenna 1 CH11
62	Back Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps MIMO Antennas 1+2 CH6
63	Right Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps MIMO Antennas 1+2 CH6

Scan Reference Number	Title
64	Left Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps MIMO Antennas 1+2 CH6
65	Bottom Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps MIMO Antennas 1+2 CH6
66	Bottom Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps MIMO Antennas 1+2 CH1
67	Bottom Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps MIMO Antennas 1+2 CH11
68	Bottom Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps MIMO Antennas 1+2 CH6 Variant 2
69	Back Of EUT Facing Phantom WiFi 802.11a Antenna 2 6 Mbps SISO CH48
70	Right Hand Side Of EUT Facing Phantom WiFi 802.11a Antenna 2 6 Mbps SISO CH48
71	Bottom Of EUT Facing Phantom WiFi 802.11a Antenna 2 6 Mbps SISO CH48
72	Back Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1 6 Mbps SISO CH48
73	Left Hand Side Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1 6 Mbps SISO CH48
74	Bottom Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1 6 Mbps SISO CH48
75	Back Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 2 6 Mbps SISO CH48
76	Right Hand Side Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 2 6 Mbps SISO CH48
77	Bottom Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 2 6 Mbps SISO CH48
78	Back Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1 & 2 6 Mbps MIMO CH40
79	Right Hand Side Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1 & 2 6 Mbps MIMO CH40
80	Left Hand Side Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1 & 2 6 Mbps MIMO CH40
81	Bottom Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1 & 2 6 Mbps MIMO CH40
82	Back Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 1 13,5 Mbps SISO CH46
83	Left Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 1 13,5 Mbps SISO CH46
84	Bottom Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 1 13,5 Mbps SISO CH46
85	Back Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 2 13,5 Mbps SISO CH46
86	Right Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 1 13,5 Mbps SISO CH46

Scan Reference Number	Title
87	Bottom Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 1 13,5 Mbps SISO CH46
88	Back Of EUT Facing Phantom WiFi 802.11n HT40 Ant 1&2 13.5Mbps MIMO CH46
89	Right Of EUT Facing Phantom WiFi 802.11n HT40 Ant 1&2 13.5Mbps MIMO CH46
90	Left Of EUT Facing Phantom WiFi 802.11n HT40 Ant 1&2 13.5Mbps MIMO CH46
91	Bottom Of EUT Facing Phantom WiFi 802.11n HT40 Ant 1&2 13.5Mbps MIMO CH46
92	Bottom Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1 6 Mbps SISO CH48 Variant 2
93	Back Of EUT Facing Phantom WiFi 802.11a Antenna 2 6 Mbps SISO CH52
94	Right Hand Side Of EUT Facing Phantom WiFi 802.11a Antenna 2 6 Mbps SISO CH52
95	Bottom Of EUT Facing Phantom WiFi 802.11a Antenna 2 6 Mbps SISO CH52
96	Back Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1 6.5Mbps SISO CH52
97	Left Hand Side Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1 6.5Mbps SISO CH52
98	Bottom Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1 6.5Mbps SISO CH52
99	Back Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 2 6.5Mbps SISO CH52
100	Right Hand Side Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 2 6.5Mbps SISO CH52
101	Bottom Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 2 6.5Mbps SISO CH52
102	Back Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1 & 2 6.5Mbps MIMO CH60
103	Right Hand Side Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1 & 2 6.5Mbps MIMO CH60
104	Left Hand Side Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1 & 2 6.5Mbps MIMO CH60
105	Bottom Side Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1 & 2 6.5Mbps MIMO CH60
106	Back Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 1 13,5 Mbps SISO CH54
107	Left Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 1 13,5 Mbps SISO CH54
108	Bottom Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 1 13,5 Mbps SISO CH54

Scan Reference Number	Title
109	Bottom Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 1 13,5 Mbps SISO CH62
110	Back Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 2 13,5 Mbps SISO CH54
111	Right Hand Side Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 2 13,5 Mbps SISO CH54
112	Bottom Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 2 13,5 Mbps SISO CH54
113	Back Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 1&2 13,5 Mbps MIMO CH54
114	Right Hand Side Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 1&2 13,5 Mbps MIMO CH54
115	Left Hand Side Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 1&2 13,5 Mbps MIMO CH54
116	Bottom Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 1&2 13,5 Mbps MIMO CH54
117	Bottom Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 1 13,5 Mbps SISO CH54 Variant 2
118	Back Of EUT Facing Phantom WiFi 802.11a 6Mbps SISO Ant 2 CH116
119	Right Of EUT Facing Phantom WiFi 802.11a 6Mbps SISO Ant 2 CH116
120	Bottom Of EUT Facing Phantom WiFi 802.11a 6Mbps SISO Ant 2 CH116
121	Bottom Of EUT Facing Phantom WiFi 802.11a 6Mbps SISO Ant 2 CH100
122	Bottom Of EUT Facing Phantom WiFi 802.11a 6Mbps SISO Ant 2 CH140
123	Back Of EUT Facing Phantom WiFi 802.11n HT20 6Mbps SISO Ant 1 CH116
124	Left of EUT Facing Phantom WiFi 802.11n HT20 6Mbps SISO Ant 1 CH116
125	Bottom of EUT Facing Phantom WiFi 802.11n HT20 6Mbps SISO Ant 1 CH116
126	Bottom of EUT Facing Phantom WiFi 802.11n HT20 6Mbps SISO Ant 1 CH100
127	Bottom of EUT Facing Phantom WiFi 802.11n HT20 6Mbps SISO Ant 1 CH140
128	Back Of EUT Facing Phantom WiFi 802.11n HT20 6Mbps SISO Ant 2 CH116
129	Right of EUT Facing Phantom WiFi 802.11n HT20 6Mbps SISO Ant 2 CH116
130	Bottom of EUT Facing Phantom WiFi 802.11n HT20 6Mbps SISO Ant 2 CH116
131	Bottom of EUT Facing Phantom WiFi 802.11n HT20 6Mbps SISO Ant 2 CH100
132	Bottom of EUT Facing Phantom WiFi 802.11n HT20 6Mbps SISO Ant 2 CH140
133	Back Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1&2 6 Mbps MIMO CH100

Scan Reference Number	Title
134	Right Hand Side Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1&2 6 Mbps MIMO CH100
135	Left Hand Side Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1&2 6 Mbps MIMO CH100
136	Bottom Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1&2 6 Mbps MIMO CH100
137	Bottom Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1&2 6 Mbps MIMO CH116
138	Bottom Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1&2 6 Mbps MIMO CH140
139	Back Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 1 13.5 Mbps SISO CH134
140	Left Hand Side Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 1 13.5 Mbps SISO CH134
141	Bottom Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 1 13.5 Mbps SISO CH134
142	Bottom Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 1 13.5 Mbps SISO CH102
143	Bottom Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 1 13.5 Mbps SISO CH110
144	Back Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 2 13.5 Mbps SISO CH134
145	Right Hand Side Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 2 13.5 Mbps SISO CH134
146	Bottom Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 2 13.5 Mbps SISO CH134
147	Bottom Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 2 13.5 Mbps SISO CH102
148	Bottom Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 2 13.5 Mbps SISO CH110
149	Back Of EUT Facing Phantom WiFi 802.11n HT40 13.5Mbps MIMO Ant 1&2 CH134
150	Right Hand Side Of EUT Facing Phantom WiFi 802.11n HT40 13.5Mbps MIMO Ant 1&2 CH134
151	Left Hand Side Of EUT Facing Phantom WiFi 802.11n HT40 13.5Mbps MIMO Ant 1&2 CH134
152	Bottom Of EUT Facing Phantom WiFi 802.11n HT40 13.5Mbps MIMO Ant 1&2 CH134
153	Bottom Of EUT Facing Phantom WiFi 802.11n HT40 13.5Mbps MIMO Ant 1&2 CH102
154	Bottom Of EUT Facing Phantom WiFi 802.11n HT40 13.5Mbps MIMO Ant 1&2 CH110
155	Bottom Of EUT Facing Phantom WiFi 802.11n HT40 Antenna 2 13.5 Mbps SISO CH110 Variant 2

Scan Reference Number	Title
156	Back Of EUT Facing Phantom WiFi 802.11a 6Mbps SISO Ant 2 CH157
157	Right Of EUT Facing Phantom WiFi 802.11a 6Mbps SISO Ant 2 CH157
158	Bottom Of EUT Facing Phantom WiFi 802.11a 6Mbps SISO Ant 2 CH157
159	Back Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps SISO Ant 1 CH157
160	Left Hand Side Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps SISO Ant 1 CH157
161	Bottom Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps SISO Ant 1 CH157
162	Back Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps SISO Ant 2 CH157
163	Right Hand Side Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps SISO Ant 2 CH157
164	Bottom Side Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps SISO Ant 2 CH157
165	Back Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps MIMO Ant 1&2 CH157
166	Right Hand Side Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps MIMO Ant 1&2 CH157
167	Left Hand Side Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps MIMO Ant 1&2 CH157
168	Bottom Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps MIMO Ant 1&2 CH157
169	Back Of EUT Facing Phantom WiFi 802.11n HT40 13.5Mbps SISO Ant 1 CH159
170	Left Hand Side Of EUT Facing Phantom WiFi 802.11n HT40 13.5Mbps SISO Ant 1 CH159
171	Bottom Of EUT Facing Phantom WiFi 802.11n HT40 13.5Mbps SISO Ant 1 CH159
172	Back Of EUT Facing Phantom WiFi 802.11n HT40 13.5Mbps SISO Ant 2 CH159
173	Right Hand Side Of EUT Facing Phantom WiFi 802.11n HT40 13.5Mbps SISO Ant 2 CH159
174	Bottom Of EUT Facing Phantom WiFi 802.11n HT40 13.5Mbps SISO Ant 2 CH159
175	Back Of EUT Facing Phantom WiFi 802.11n HT40 13.5Mbps MIMO Ant 1&2 CH159
176	Right Hand Side Of EUT Facing Phantom WiFi 802.11n HT40 13.5Mbps MIMO Ant 1&2 CH159
177	Left Hand Side Of EUT Facing Phantom WiFi 802.11n HT40 13.5Mbps MIMO Ant 1&2 CH159
178	Bottom Side Of EUT Facing Phantom WiFi 802.11n HT40 13.5Mbps MIMO Ant 1&2 CH159
179	Bottom Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps SISO Ant 1 CH157 Variant 2

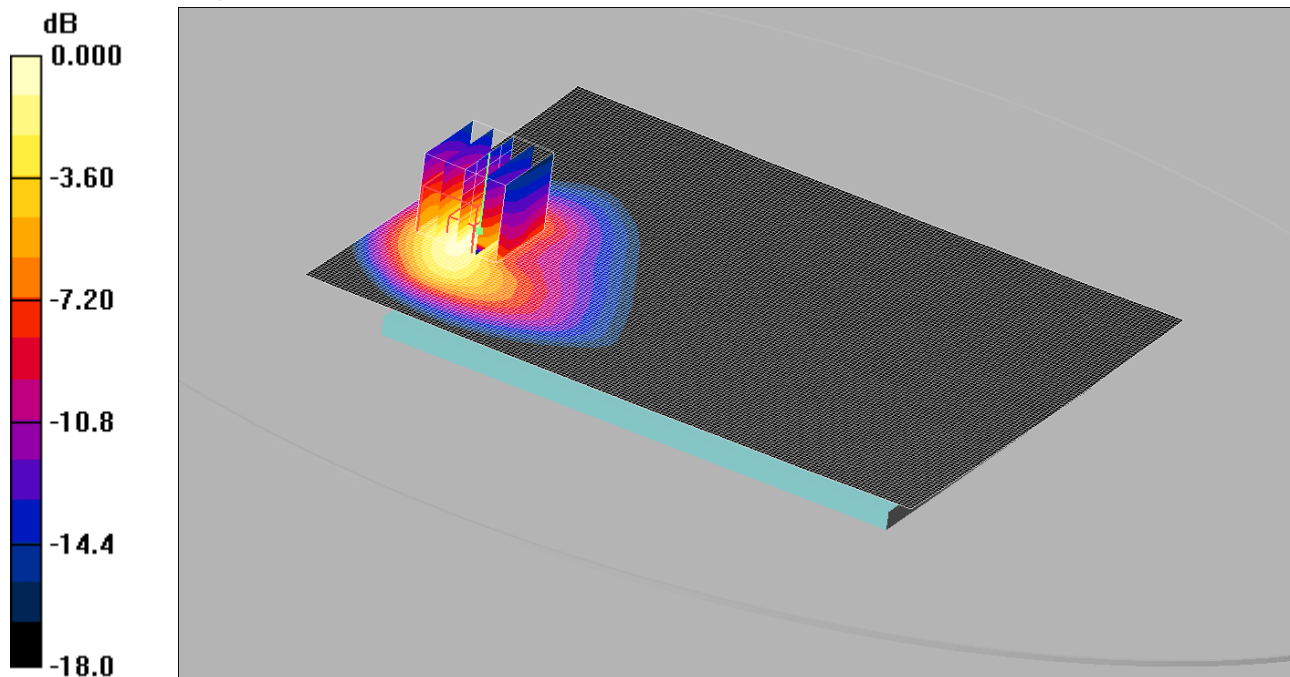


Scan Reference Number	Title
180	Back of EUT Facing Phantom BT BR Middle CH39
181	Left Hand Side of EUT Facing Phantom BT BR Middle CH39
182	Bottom of EUT Facing Phantom BT BR Middle CH39
183	Bottom of EUT Facing Phantom BT BR Low CH0
184	Bottom of EUT Facing Phantom BT BR High CH78
185	Bottom of EUT Facing Phantom BT BR Middle CH39 Variant 2
186	System Performance Check 900MHz Body 17 07 14 Site 57
187	System Performance Check 900MHz Body 21 07 14 Site 57
188	System Performance Check 900MHz Body 28 07 14 Site 57
189	System Performance Check 1900MHz Body 17 07 14 Site 61
190	System Performance Check 1900MHz Body 21 07 14 Site 61
191	System Performance Check 1900MHz Body 24 07 14 Site 61
192	System Performance Check 1900MHz Body 24 07 14 Site 61
193	System Performance Check 1900MHz Body 31 07 14 Site 61
194	System Performance Check 2450MHz Body 21 07 14 Site 60
195	System Performance Check 2450MHz Body 24 07 14 Site 59
196	System Performance Check 2450MHz Body 06 08 14 Site 61
197	System Performance Check 2450MHz Body 04 09 14 Site 57
198	System Performance Check 5200 MHz Body 11 08 14 Site 59
199	System Performance Check 5200 MHz Body 11 08 14 Site 60
200	System Performance Check 5200 MHz Body 14 08 14 Site 59
201	System Performance Check 5200 MHz Body 18 08 14 Site 59
202	System Performance Check 5200 MHz Body 21 08 14 Site 59
203	System Performance Check 5200 MHz Body 26 08 14 Site 59
204	System Performance Check 5200 MHz Body 01 09 14 Site 59
205	System Performance Check 5500 MHz Body 18 08 14 Site 59
206	System Performance Check 5500 MHz Body 18 08 14 Site 60
207	System Performance Check 5500 MHz Body 21 08 14 Site 60
208	System Performance Check 5500 MHz Body 26 08 14 Site 59
209	System Performance Check 5500 MHz Body 01 09 14 Site 59
210	System Performance Check 5500 MHz Body 01 09 14 Site 60
211	System Performance Check 5800 MHz Body 11 08 14 Site 60
212	System Performance Check 5800 MHz Body 14 08 14 Site 60
213	System Performance Check 5800 MHz Body 21 08 14 Site 60
214	System Performance Check 5800 MHz Body 01 09 14 Site 59
215	System Performance Check 5800 MHz Body 01 09 14 Site 60

001: Back of EUT Facing Phantom GPRS Middle CH190

Date: 17/07/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 1.11mW/g

Communication System: GPRS 850 MHz 1TX; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.984$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Back of EUT Facing Phantom - Middle/Area Scan (121x161x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.02 mW/g

**Back of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm,

dy=8mm, dz=5mm

Reference Value = 31.2 V/m; Power Drift = 0.012 dB

Peak SAR (extrapolated) = 2.17 W/kg

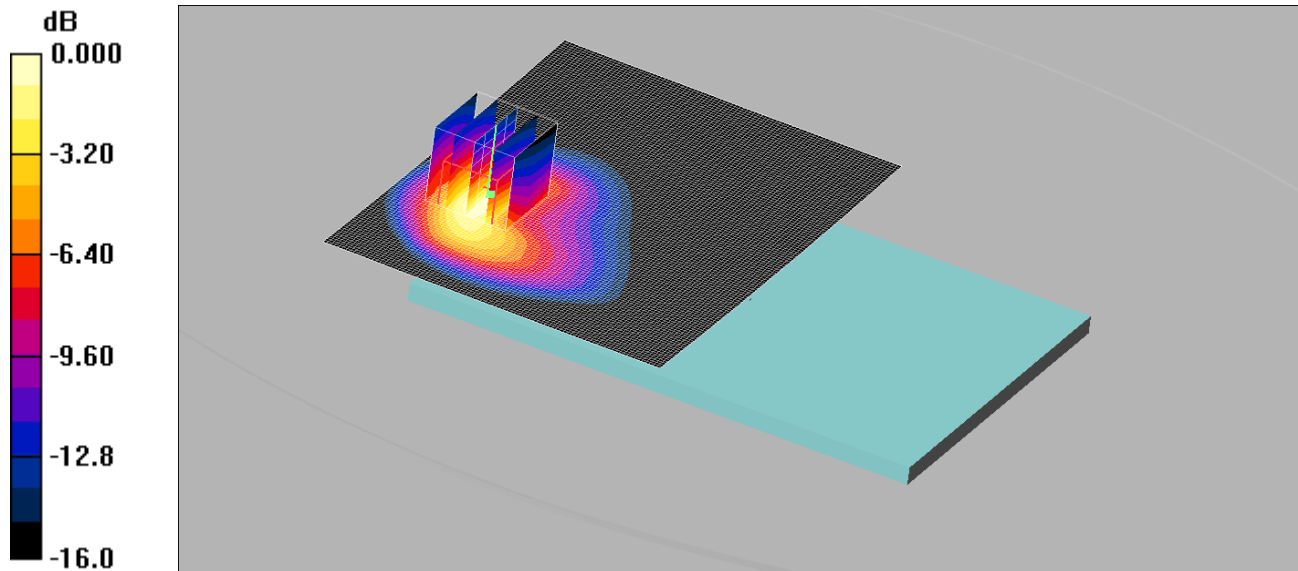
**SAR(1 g) = 0.977 mW/g; SAR(10 g) = 0.459 mW/g**

Maximum value of SAR (measured) = 1.11 mW/g

002: Back of EUT Facing Phantom GPRS Low CH128

Date: 17/07/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 1.23mW/g

Communication System: GPRS 850 MHz 1TX; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.977$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn450; Calibrated: 31/10/2013

- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Back of EUT Facing Phantom - Low/Area Scan (121x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.25 mW/g

**Back of EUT Facing Phantom - Low/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.3 V/m; Power Drift = -0.045 dB

Peak SAR (extrapolated) = 2.18 W/kg

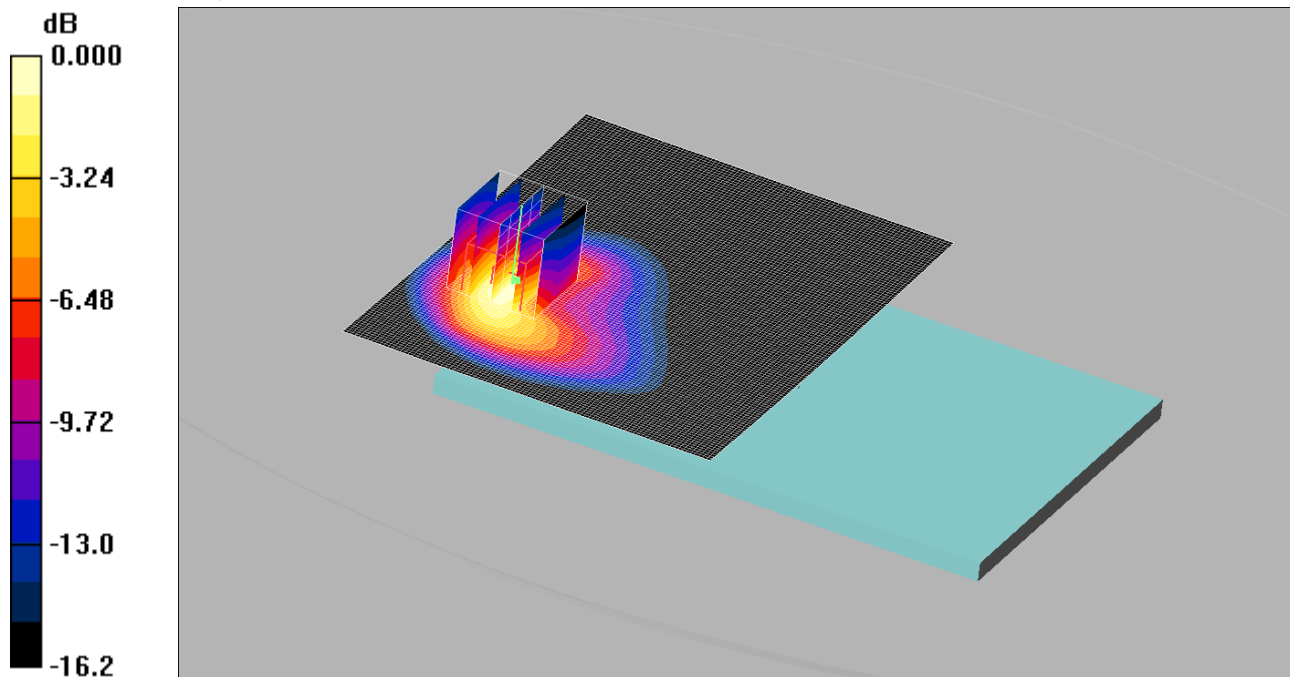
**SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.503 mW/g**

Maximum value of SAR (measured) = 1.23 mW/g

003: Back of EUT Facing Phantom GPRS High CH251

Date: 17/07/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 1.13mW/g

Communication System: GPRS 850 MHz 1TX; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: 900 MHz MSL Medium parameters used (interpolated): f = 848.8 MHz;  $\sigma$  = 0.991 mho/m;  $\epsilon_r$  = 53.5;  $\rho$  = 1000 kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Back of EUT Facing Phantom - High/Area Scan (121x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.14 mW/g

**Back of EUT Facing Phantom - High/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm,

dy=8mm, dz=5mm

Reference Value = 30.3 V/m; Power Drift = 0.155 dB

Peak SAR (extrapolated) = 1.94 W/kg

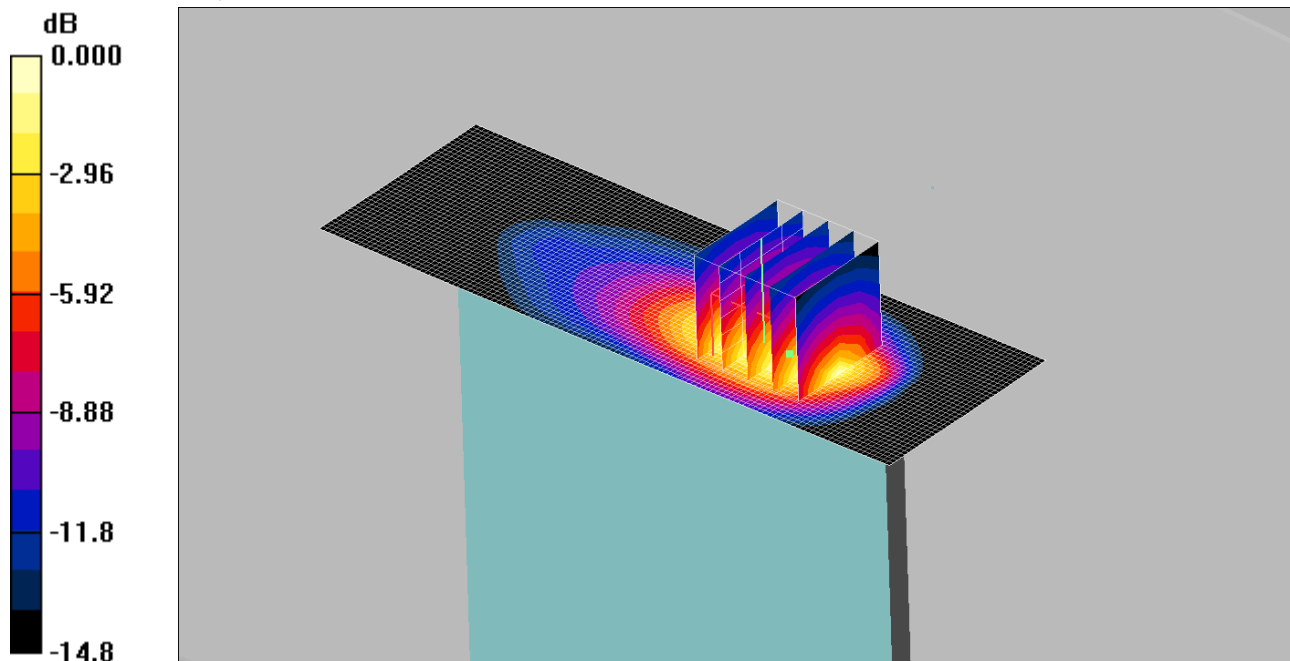
**SAR(1 g) = 0.927 mW/g; SAR(10 g) = 0.467 mW/g**

Maximum value of SAR (measured) = 1.13 mW/g

004: Top of EUT Facing Phantom GPRS Middle CH190

Date: 17/07/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.970mW/g

Communication System: GPRS 850 MHz 1TX; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.984$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Top of EUT Facing Phantom - Middle/Area Scan (121x41x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.937 mW/g

**Top of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.1 V/m; Power Drift = 0.138 dB

Peak SAR (extrapolated) = 1.86 W/kg

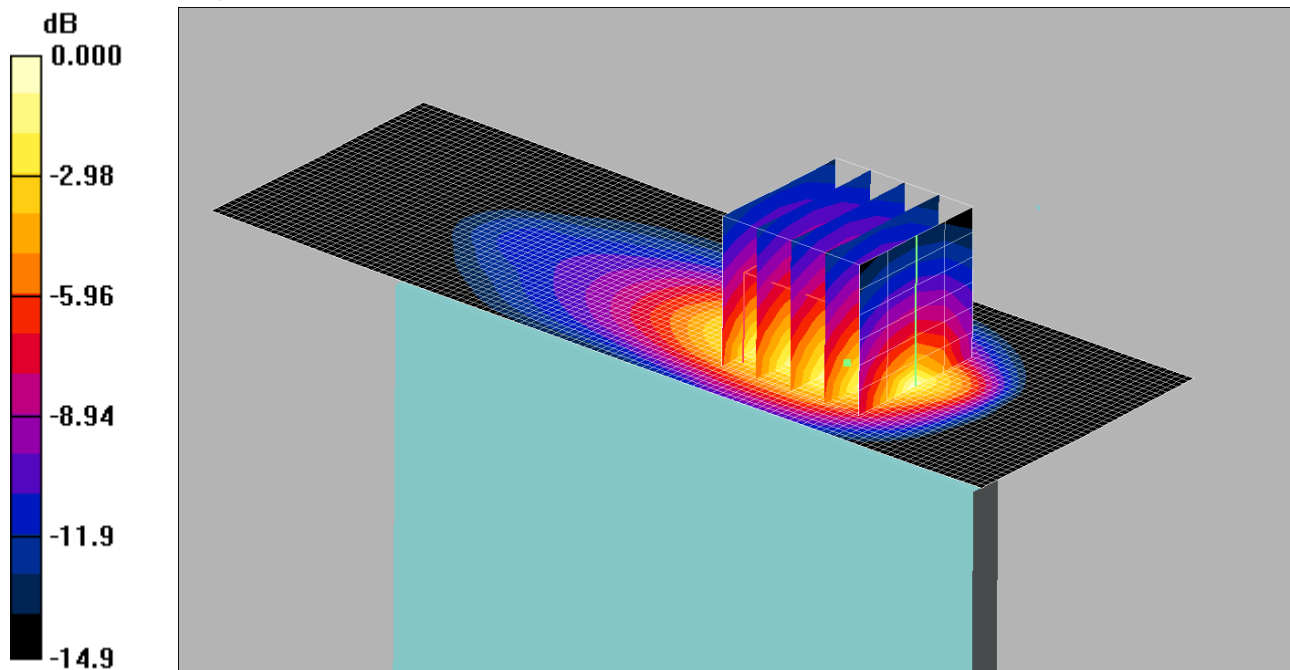
**SAR(1 g) = 0.840 mW/g; SAR(10 g) = 0.469 mW/g**

Maximum value of SAR (measured) = 0.970 mW/g

005: Top of EUT Facing Phantom GPRS Low CH128

Date: 17/07/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 1.15mW/g

Communication System: GPRS 850 MHz 1TX; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.977$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Top of EUT Facing Phantom - Low/Area Scan (121x41x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.06 mW/g

**Top of EUT Facing Phantom - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.3 V/m; Power Drift = 0.021 dB

Peak SAR (extrapolated) = 2.31 W/kg

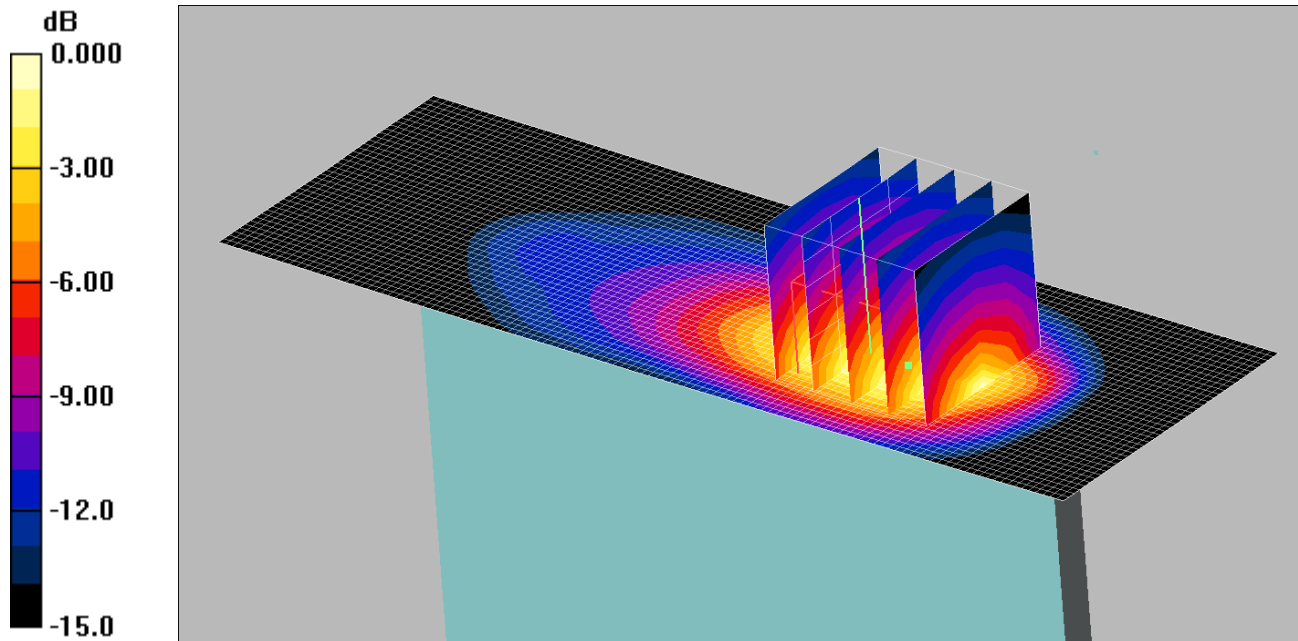
**SAR(1 g) = 0.945 mW/g; SAR(10 g) = 0.533 mW/g**

Maximum value of SAR (measured) = 1.15 mW/g

006: Top of EUT Facing Phantom GPRS High CH251

Date: 17/07/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.907mW/g

Communication System: GPRS 850 MHz 1TX; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.991$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Top of EUT Facing Phantom - High/Area Scan (121x41x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.862 mW/g

**Top of EUT Facing Phantom - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.1 V/m; Power Drift = 0.149 dB

Peak SAR (extrapolated) = 1.62 W/kg

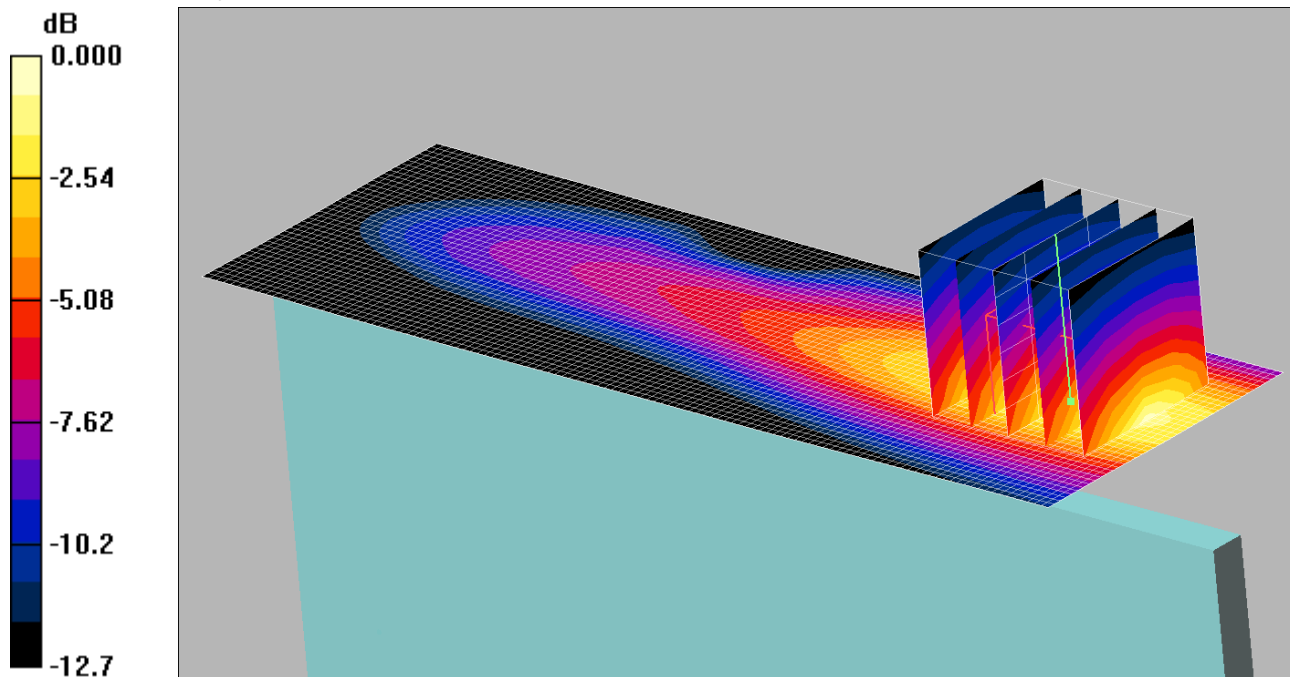
**SAR(1 g) = 0.778 mW/g; SAR(10 g) = 0.430 mW/g**

Maximum value of SAR (measured) = 0.907 mW/g

007: Right of EUT Facing Phantom GPRS Middle CH190

Date: 17/07/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.159mW/g

Communication System: GPRS 850 MHz 1TX; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 848.8$  MHz;  $\sigma = 0.991$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn450; Calibrated: 31/10/2013

- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Right of EUT Facing Phantom - Middle/Area Scan (121x41x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.124 mW/g

**Right of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm,

dy=8mm, dz=5mm

Reference Value = 8.16 V/m; Power Drift = -0.059 dB

Peak SAR (extrapolated) = 0.256 W/kg

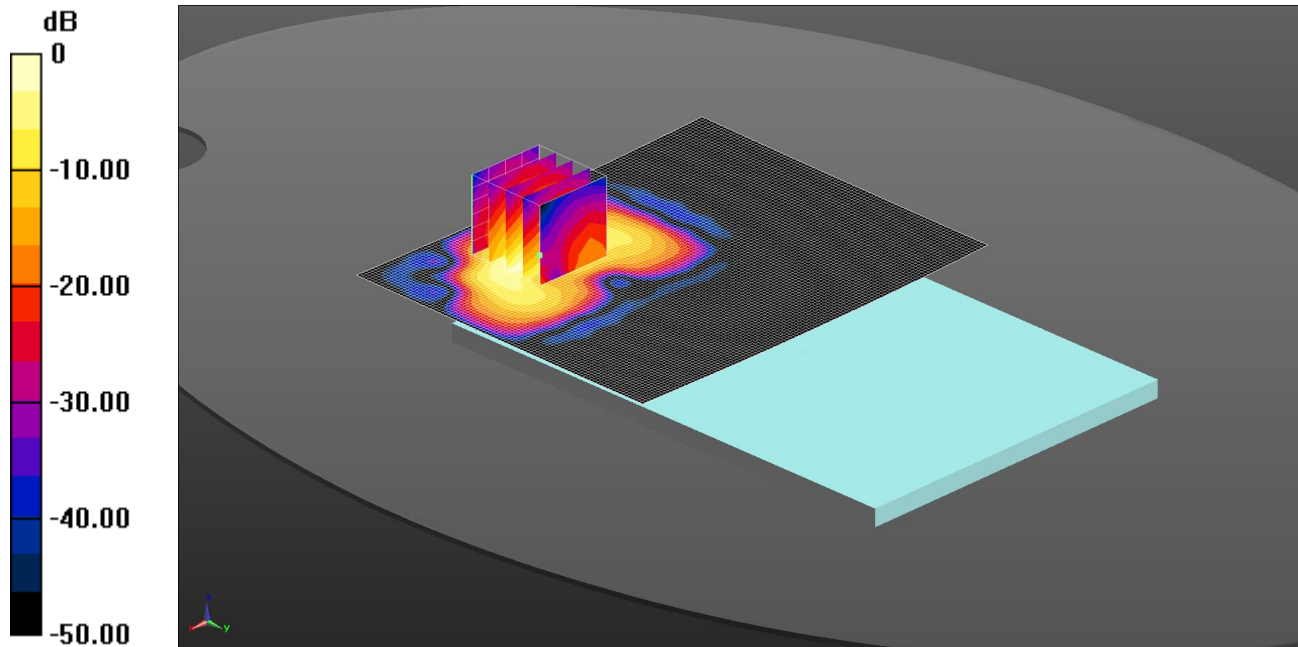
**SAR(1 g) = 0.137 mW/g; SAR(10 g) = 0.076 mW/g**

Maximum value of SAR (measured) = 0.159 mW/g



008: Back of EUT Facing Phantom GPRS1900 2Tx CH661

Date: 18/07/14

**DUT: A1601; Type: FCC ID: BCGA1601**

Communication System: UID 0, GPRS 2Tx (0); Frequency: 1880 MHz; Duty Cycle: 1:4.00037

Medium: 1900 MHz MSL Medium parameters used (interpolated):  $f = 1880$  MHz;  $\sigma = 1.537$  S/m;  $\epsilon_r = 51.642$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 09/05/14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/04/14
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

**Configuration/Back of EUT Facing Phantom/Area Scan (111x91x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.03 W/kg

**Configuration/Back of EUT Facing Phantom/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

dx=8mm, dy=8mm, dz=5mm

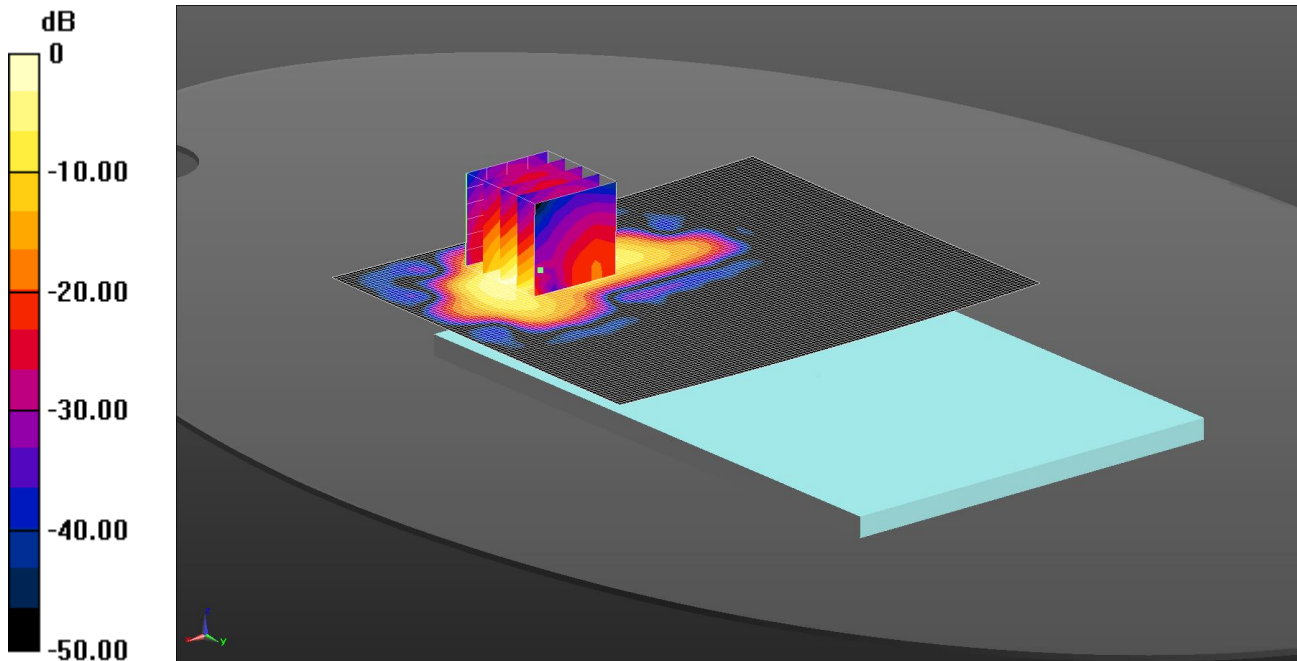
Reference Value = 25.20 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 2.01 W/kg

**SAR(1 g) = 0.956 W/kg; SAR(10 g) = 0.416 W/kg**

Maximum value of SAR (measured) = 1.09 W/kg

009: Back of EUT Facing Phantom GPRS1900 2Tx CH512  
 Date: 18/07/14  
**DUT: A1601; Type: FCC ID: BCGA1601**



0 dB = 1.04 W/kg = 0.16 dBW/kg

Communication System: UID 0, GPRS 2Tx (0); Frequency: 1850.2 MHz; Duty Cycle: 1:4.00037  
 Medium: 1900 MHz MSL Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.503$  S/m;  $\epsilon_r = 51.722$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section  
 DASY4 Configuration:  
 - Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 09/05/14;  
 - Sensor-Surface: 4mm (Mechanical Surface Detection)  
 - Electronics: DAE4 Sn1435; Calibrated: 15/04/14  
 - Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx  
 - ; SEMCAD X Version 14.6.10 (7331)

Configuration/Back of EUT Facing Phantom/Area Scan (111x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.04 W/kg

Configuration/Back of EUT Facing Phantom/Zoom Scan (5x5x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.73 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.97 W/kg

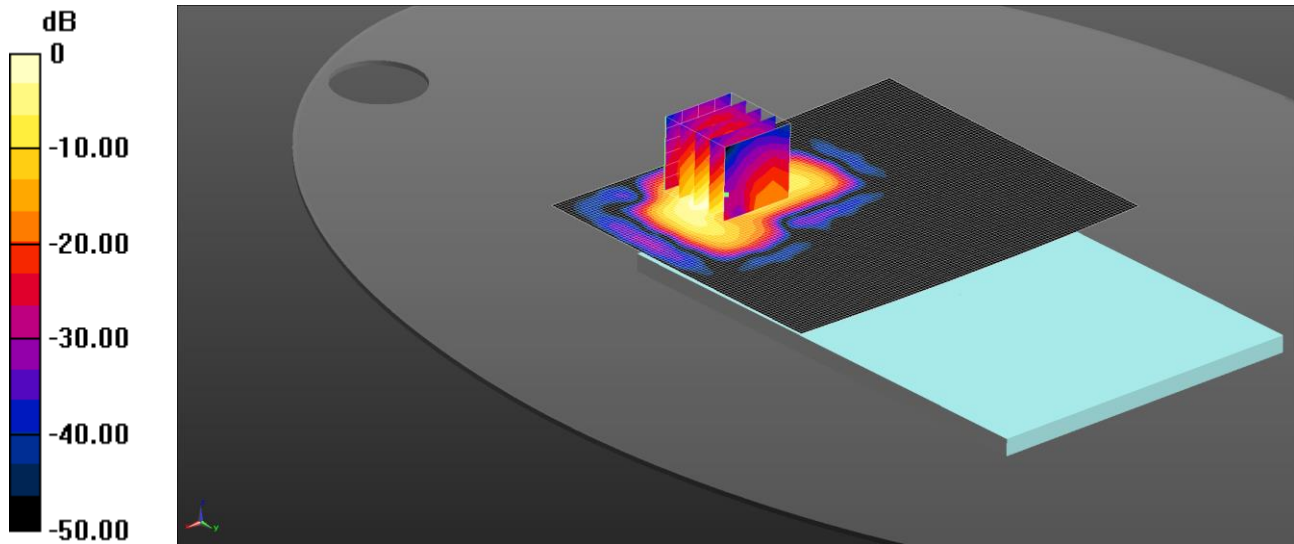
SAR(1 g) = 0.963 W/kg; SAR(10 g) = 0.421 W/kg

Maximum value of SAR (measured) = 1.11 W/kg

010: Back of EUT Facing Phantom GPRS1900 2Tx CH810

Date: 18/07/14

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 1.05 W/kg = 0.21 dBW/kg

Communication System: UID 0, GPRS 2Tx (0); Frequency: 1909.8 MHz; Duty Cycle: 1:4.00037

Medium: 1900 MHz MSL Medium parameters used (interpolated):  $f = 1909.8$  MHz;  $\sigma = 1.57$  S/m;  $\epsilon_r = 51.562$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 09/05/14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/04/14
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

**Configuration/Back of EUT Facing Phantom/Area Scan (111x91x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.05 W/kg

**Configuration/Back of EUT Facing Phantom/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.24 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 2.04 W/kg

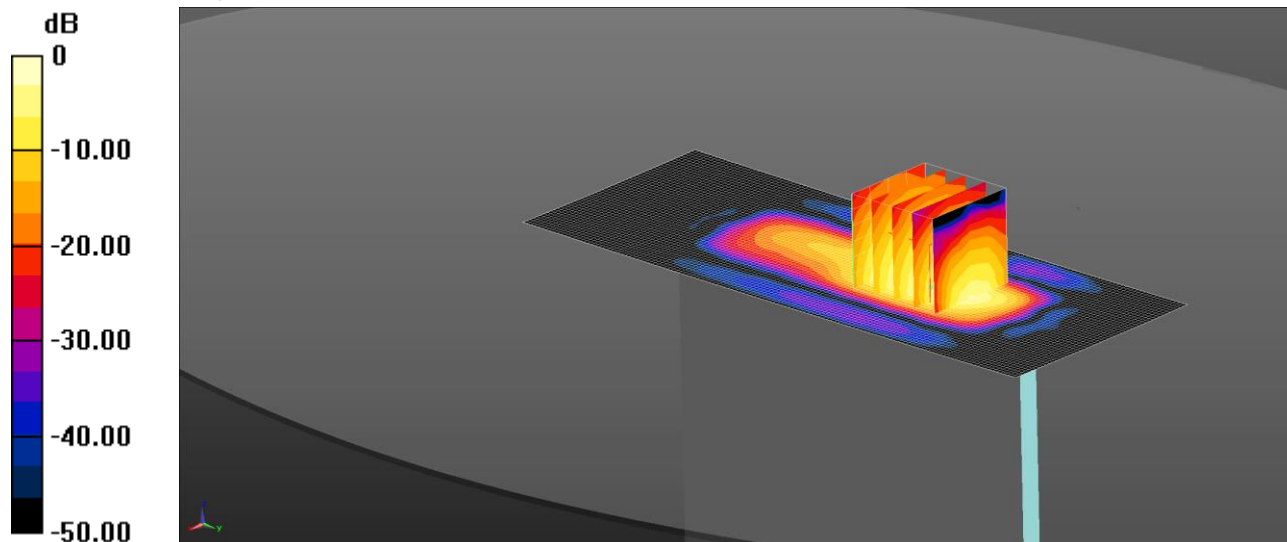
**SAR(1 g) = 0.973 W/kg; SAR(10 g) = 0.421 W/kg**

Maximum value of SAR (measured) = 1.11 W/kg

011: Top of EUT Facing Phantom GPRS1900 2Tx CH661

Date: 18/07/14

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 1.44 W/kg = 1.59 dBW/kg

Communication System: UID 0, GPRS 2Tx (0); Frequency: 1880 MHz; Duty Cycle: 1:4.00037

Medium: 1900 MHz MSL Medium parameters used (interpolated):  $f = 1880$  MHz;  $\sigma = 1.537$  S/m;  $\epsilon_r = 51.642$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 09/05/14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/04/14
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

**Configuration/Top of EUT Facing Phantom/Area Scan (51x131x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.44 W/kg

**Configuration/Top of EUT Facing Phantom/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.06 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.63 W/kg

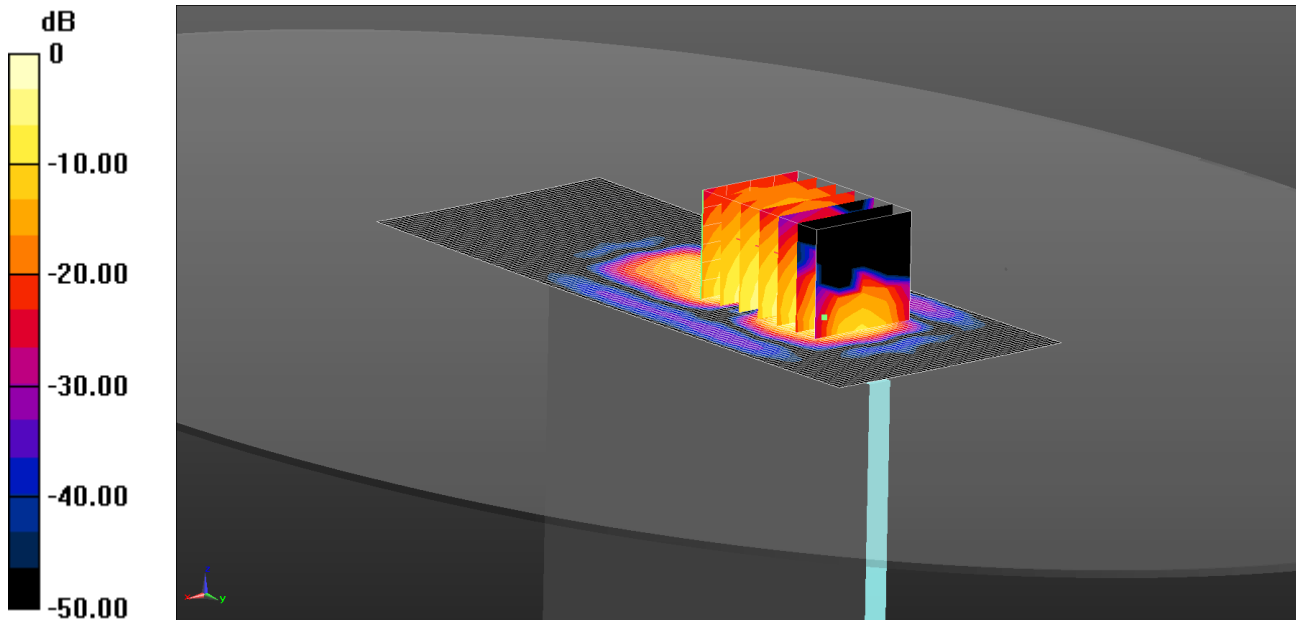
**SAR(1 g) = 0.835 W/kg; SAR(10 g) = 0.382 W/kg**

Maximum value of SAR (measured) = 0.937 W/kg

012: Top of EUT Facing Phantom GPRS1900 2Tx CH512

Date: 18/07/14

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.857 W/kg = -0.67 dBW/kg

Communication System: UID 0, GPRS 2Tx (0); Frequency: 1850.2 MHz; Duty Cycle: 1:4.00037

Medium: 1900 MHz MSL Medium parameters used (interpolated):  $f = 1850.2$  MHz;  $\sigma = 1.503$  S/m;  $\epsilon_r = 51.722$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 09/05/14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/04/14
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

**Configuration/Top of EUT Facing Phantom/Area Scan (51x131x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.857 W/kg

**Configuration/Top of EUT Facing Phantom/Zoom Scan (5x5x7) (5x7x7)/Cube 0:** Measurement grid:

dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.04 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.71 W/kg

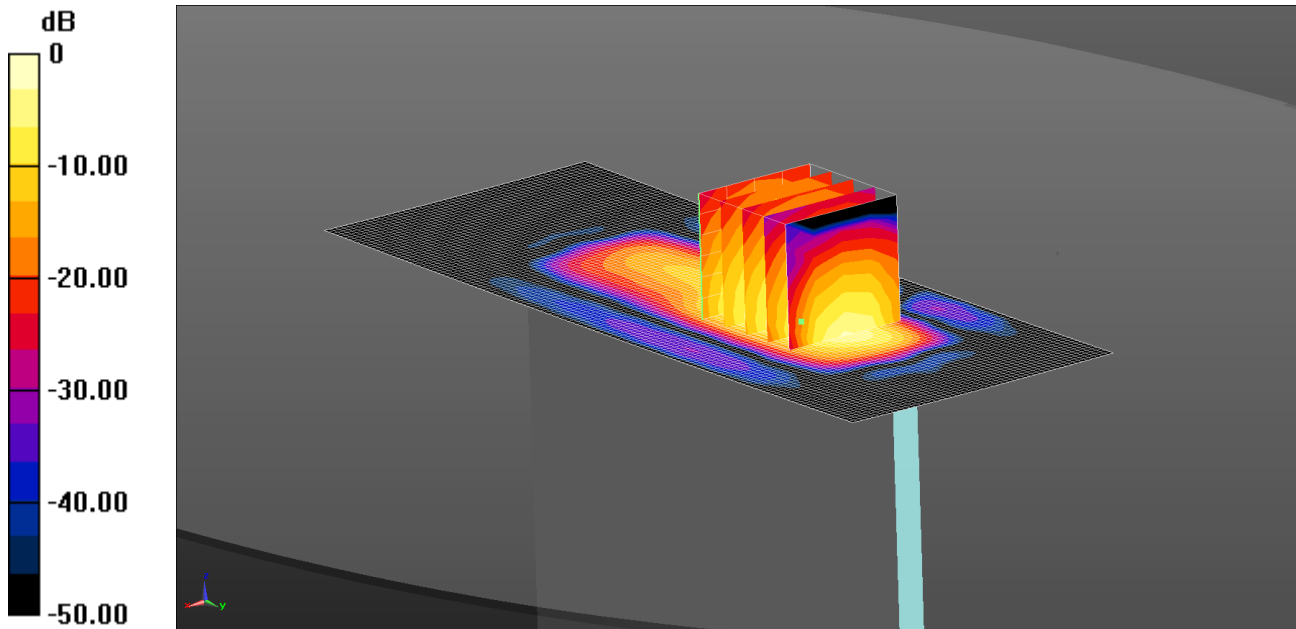
**SAR(1 g) = 0.884 W/kg; SAR(10 g) = 0.407 W/kg**

Maximum value of SAR (measured) = 1.02 W/kg

013: Top of EUT Facing Phantom GPRS1900 2Tx CH810

Date: 18/07/14

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 1.36 W/kg = 1.34 dBW/kg

Communication System: UID 0, GPRS 2Tx (0); Frequency: 1909.8 MHz; Duty Cycle: 1:4.00037

Medium: 1900 MHz MSL Medium parameters used (interpolated):  $f = 1909.8$  MHz;  $\sigma = 1.57$  S/m;  $\epsilon_r = 51.562$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 09/05/14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/04/14
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

**Configuration/Top of EUT Facing Phantom/Area Scan (51x131x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.36 W/kg

**Configuration/Top of EUT Facing Phantom/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.31 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.54 W/kg

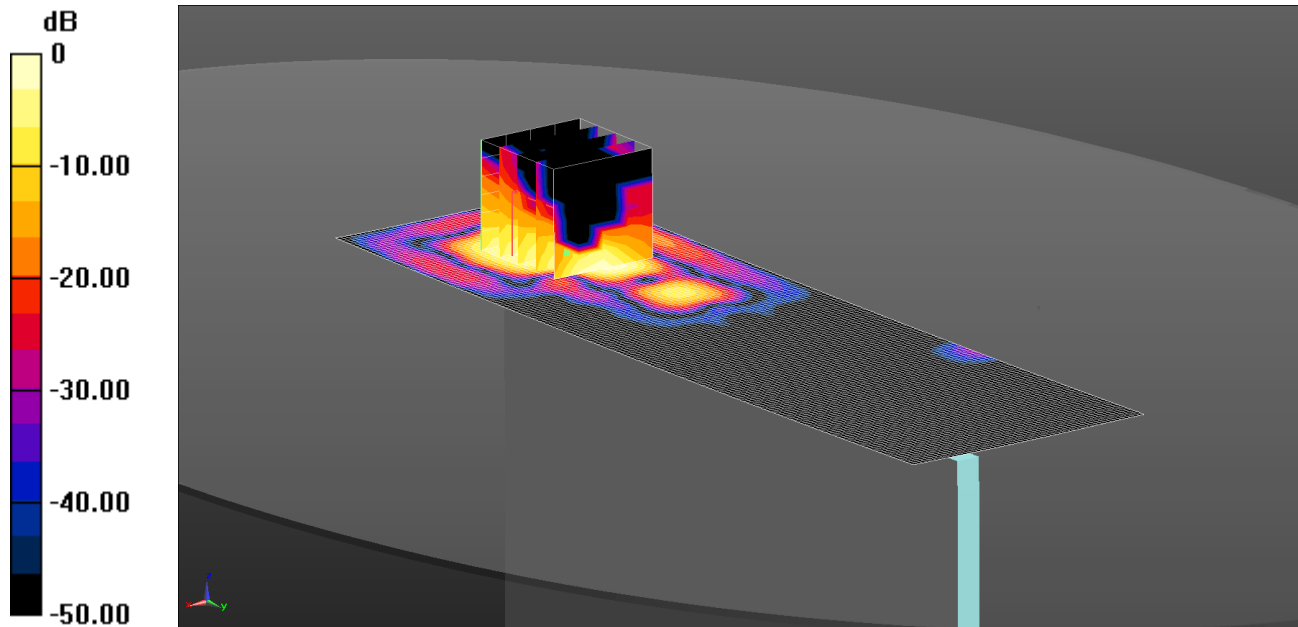
**SAR(1 g) = 0.786 W/kg; SAR(10 g) = 0.354 W/kg**

Maximum value of SAR (measured) = 0.882 W/kg

014: Right Edge of EUT Facing Phantom GPRS1900 2Tx CH661

Date: 18/07/14

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.0614 W/kg = -12.12 dBW/kg

Communication System: UID 0, GPRS 2Tx (0); Frequency: 1880 MHz; Duty Cycle: 1:4.00037

Medium: 1900 MHz MSL Medium parameters used (interpolated):  $f = 1880$  MHz;  $\sigma = 1.537$  S/m;  $\epsilon_r = 51.642$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 09/05/14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/04/14
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

**Configuration/Top of EUT Facing Phantom/Area Scan (51x171x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0614 W/kg

**Configuration/Top of EUT Facing Phantom/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid:

dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.864 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.269 W/kg

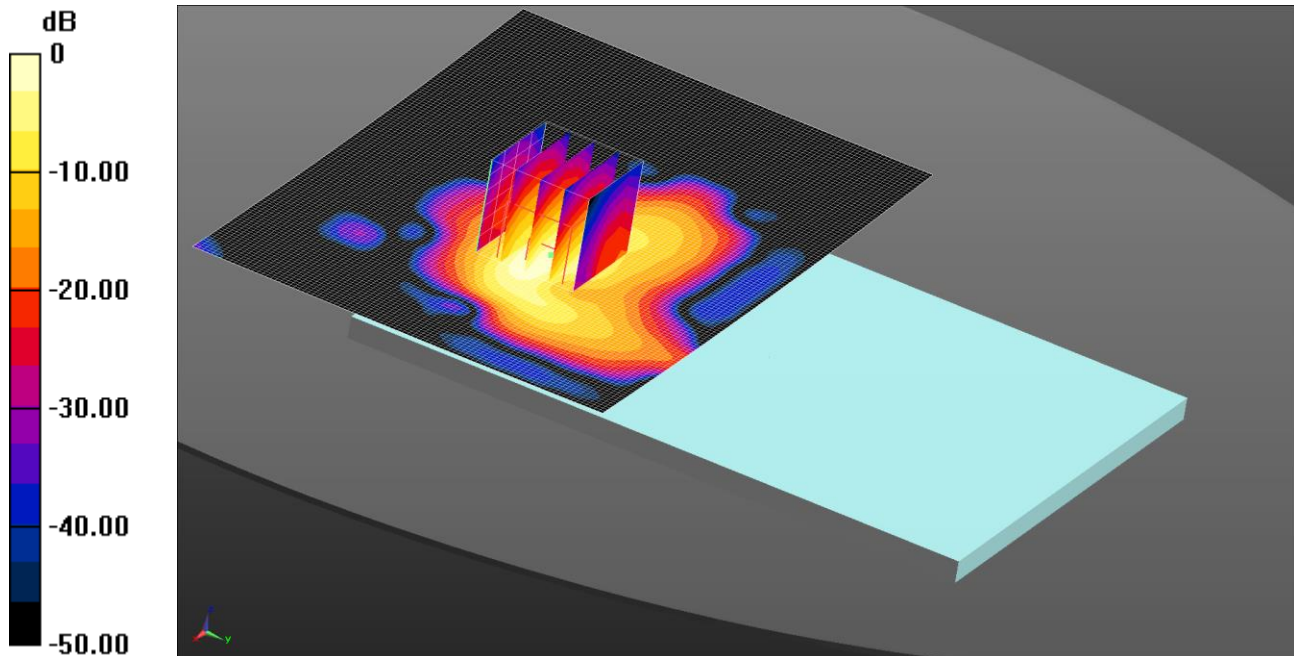
**SAR(1 g) = 0.072 W/kg; SAR(10 g) = 0.024 W/kg**

Maximum value of SAR (measured) = 0.0740 W/kg

015: Back of EUT Facing Phantom UMTS Band 2 CH9538

Date: 22/07/14

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.975 W/kg = -0.11 dBW/kg

Communication System: UID 0, UMTS FDD (0); Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: 1900 MHz /MSL Medium parameters used (interpolated):  $f = 1907.6$  MHz;  $\sigma = 1.535$  S/m;  $\epsilon_r = 52.542$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 09/05/14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/04/14
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

**Configuration/Back of EUT Facing Phantom - High/Area Scan (131x91x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.975 W/kg

**Configuration/Back of EUT Facing Phantom - High/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.88 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.85 W/kg

**SAR(1 g) = 0.901 W/kg; SAR(10 g) = 0.398 W/kg**

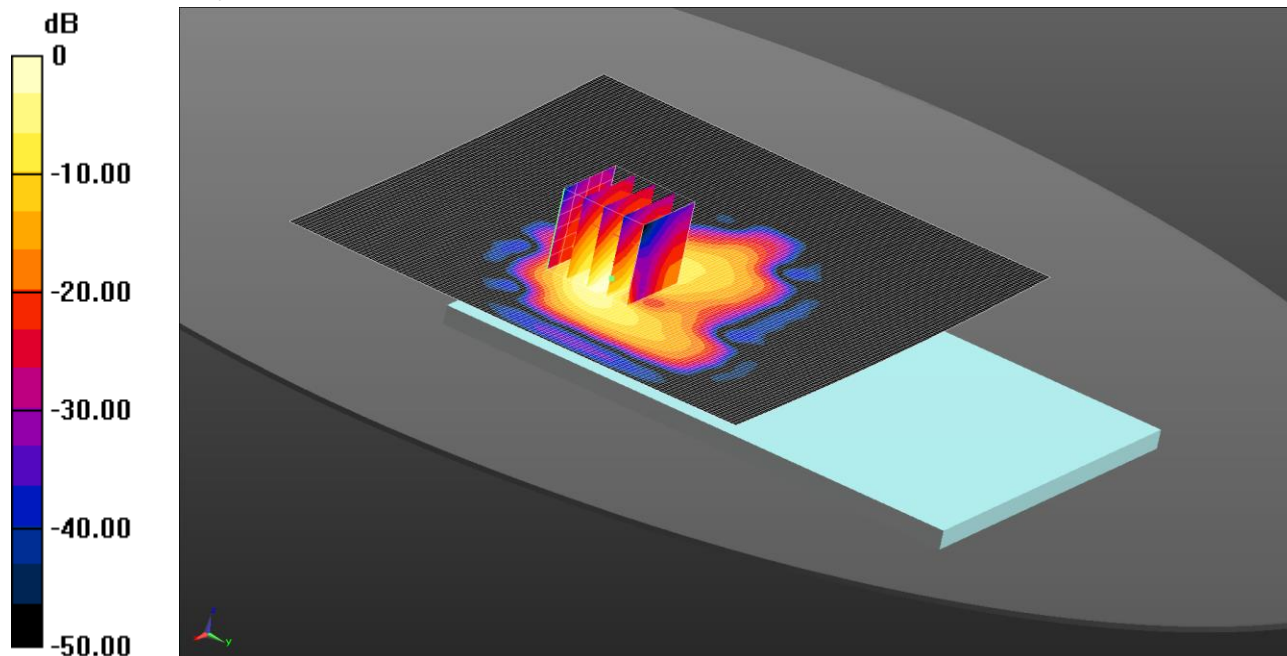
Maximum value of SAR (measured) = 1.02 W/kg



016: Back of EUT Facing Phantom UMTS Band 2 CH9400

Date: 21/07/14

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.814 W/kg = -0.89 dBW/kg

Communication System: UID 0, UMTS FDD (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: 1900 MHz /MSL Medium parameters used (interpolated):  $f = 1880$  MHz;  $\sigma = 1.51$  S/m;  $\epsilon_r = 52.651$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 09/05/14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/04/14
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

**Configuration/Back of EUT Facing Phantom - Middle/Area Scan (131x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.814 W/kg

**Configuration/Back of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.545 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.42 W/kg

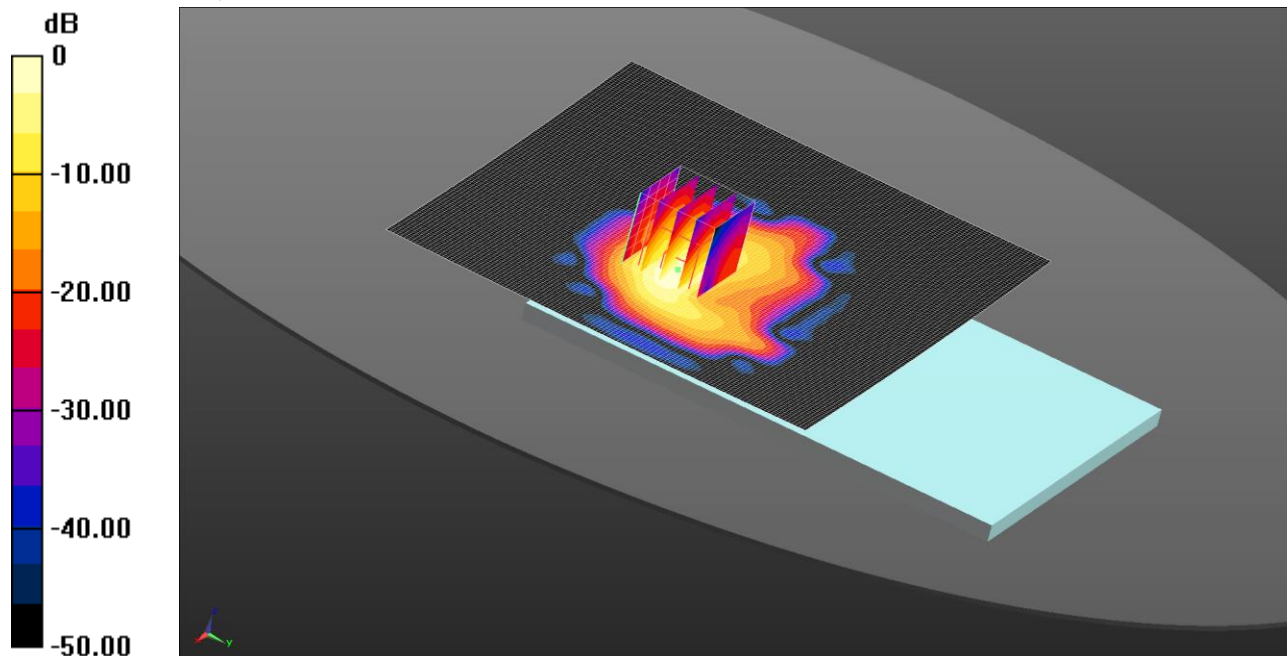
**SAR(1 g) = 0.703 W/kg; SAR(10 g) = 0.313 W/kg**

Maximum value of SAR (measured) = 0.806 W/kg

017: Back of EUT Facing Phantom UMTS Band 2 CH9262

Date: 22/07/14

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 1.01 W/kg = 0.05 dBW/kg

Communication System: UID 0, UMTS FDD (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: 1900 MHz /MSL Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.485$  S/m;  $\epsilon_r = 52.753$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 09/05/14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/04/14
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

**Configuration/Back of EUT Facing Phantom - Low/Area Scan (131x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.01 W/kg

**Configuration/Back of EUT Facing Phantom - Low/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.56 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.72 W/kg

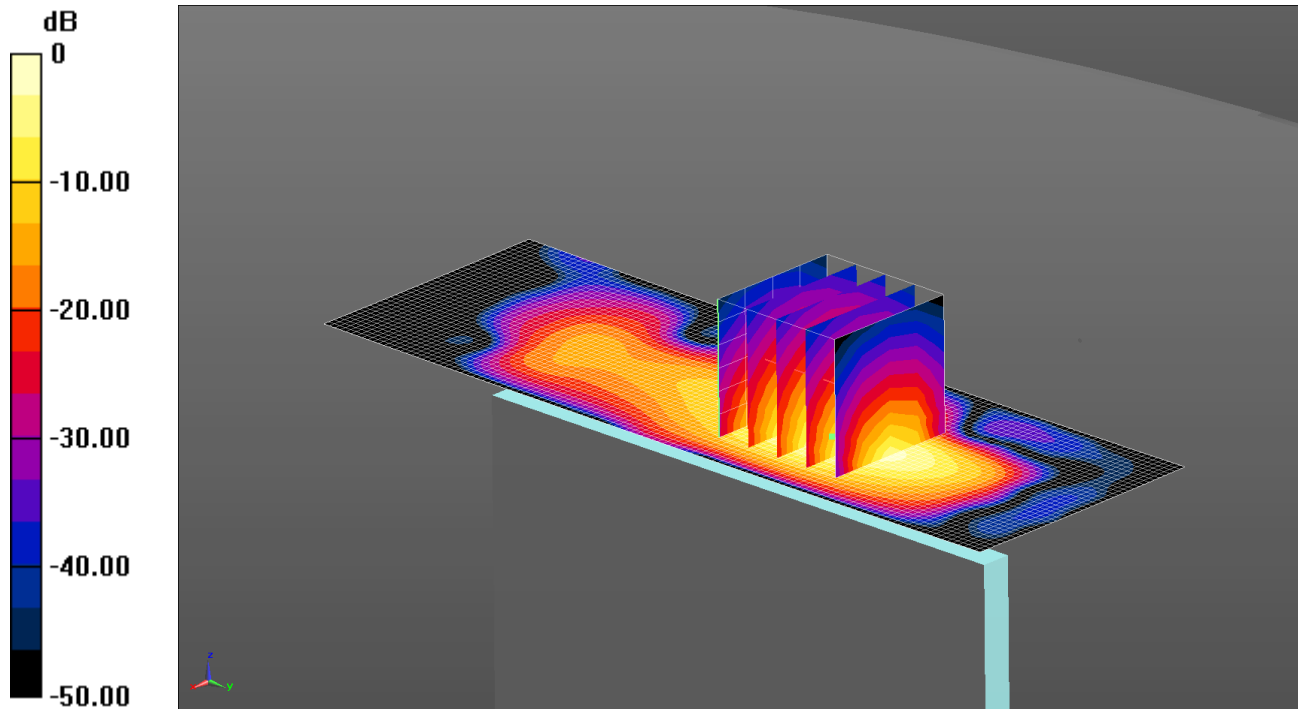
**SAR(1 g) = 0.852 W/kg; SAR(10 g) = 0.376 W/kg**

Maximum value of SAR (measured) = 0.999 W/kg

018: Top of EUT Facing Phantom UMTS Band 2 CH9538

Date: 29/7/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 1.37 W/kg = 1.38 dBW/kg

Communication System: UID 0, UMTS FDD (0); Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: 1900 MHz MSL Medium parameters used (interpolated):  $f = 1907.6$  MHz;  $\sigma = 1.564$  S/m;  $\epsilon_r = 51.874$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 9/5/2014;

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1435; Calibrated: 15/4/2014

- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx

- ; SEMCAD X Version 14.6.10 (7331)

**Configuration/Top of EUT Facing Phantom - High/Area Scan (41x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.37 W/kg

**Configuration/Top of EUT Facing Phantom - High/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid:

dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.11 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.89 W/kg

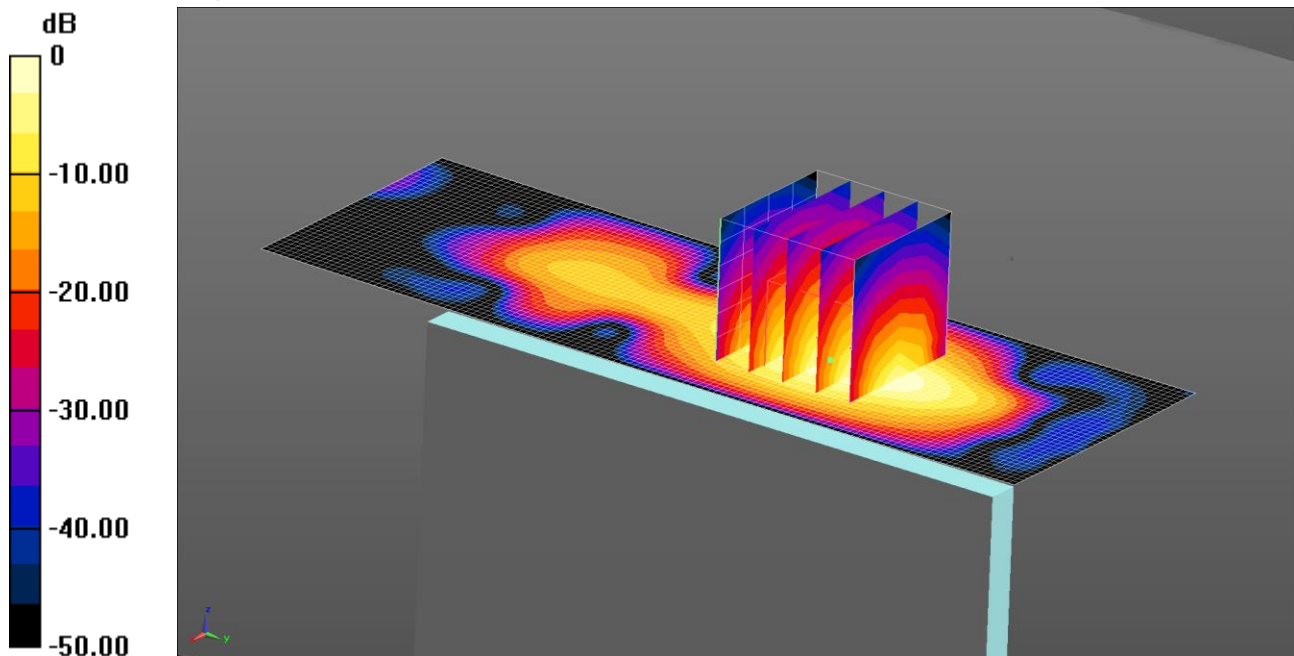
**SAR(1 g) = 0.960 W/kg; SAR(10 g) = 0.444 W/kg**

Maximum value of SAR (measured) = 1.10 W/kg

019: Top of EUT Facing Phantom UMTS Band 2 CH9400

Date: 22/07/14

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.930 W/kg = -0.31 dBW/kg

Communication System: UID 0, UMTS FDD (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: 1900 MHz /MSL Medium parameters used (interpolated):  $f = 1880$  MHz;  $\sigma = 1.51$  S/m;  $\epsilon_r = 52.651$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 09/05/14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/04/14
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

**Configuration/Top of EUT Facing Phantom - Middle/Area Scan (41x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.930 W/kg

**Configuration/Top of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.980 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.51 W/kg

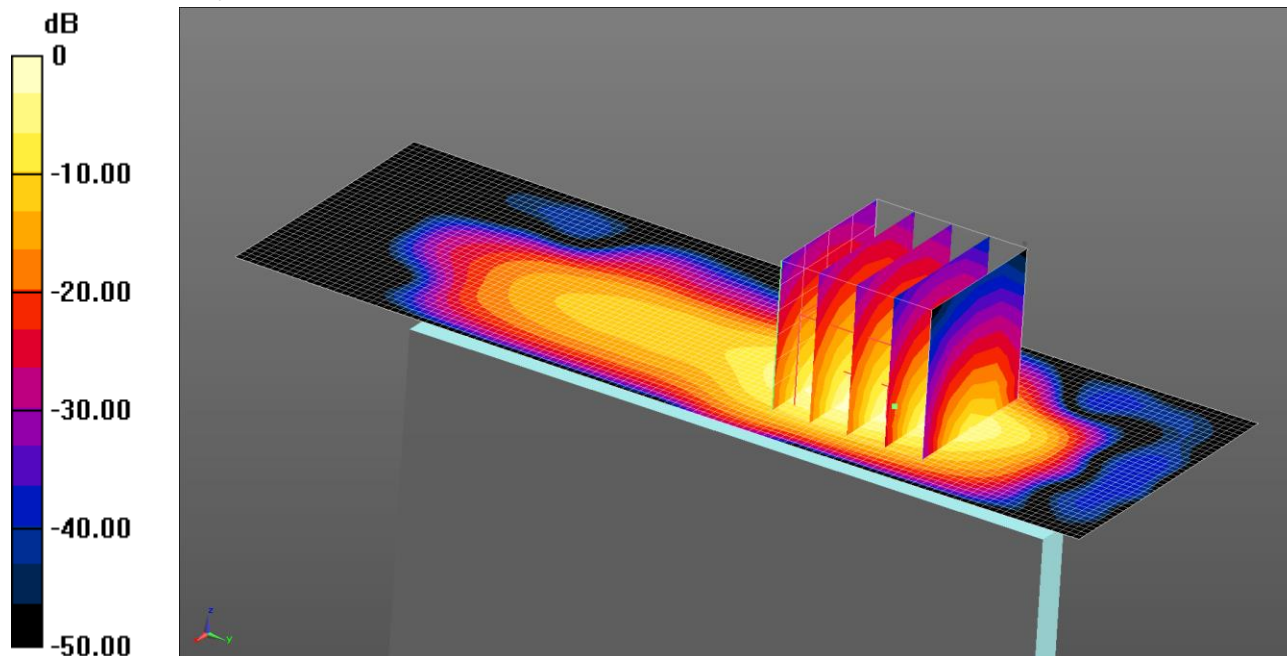
**SAR(1 g) = 0.767 W/kg; SAR(10 g) = 0.356 W/kg**

Maximum value of SAR (measured) = 0.862 W/kg

020: Top of EUT Facing Phantom UMTS Band 2 CH9262

Date: 22/07/14

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.976 W/kg = -0.11 dBW/kg

Communication System: UID 0, UMTS FDD (0); Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: 1900 MHz /MSL Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.485$  S/m;  $\epsilon_r = 52.753$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 09/05/14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/04/14
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

**Configuration/Top of EUT Facing Phantom - Low/Area Scan (41x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.976 W/kg

**Configuration/Top of EUT Facing Phantom - Low/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid:

dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.489 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.40 W/kg

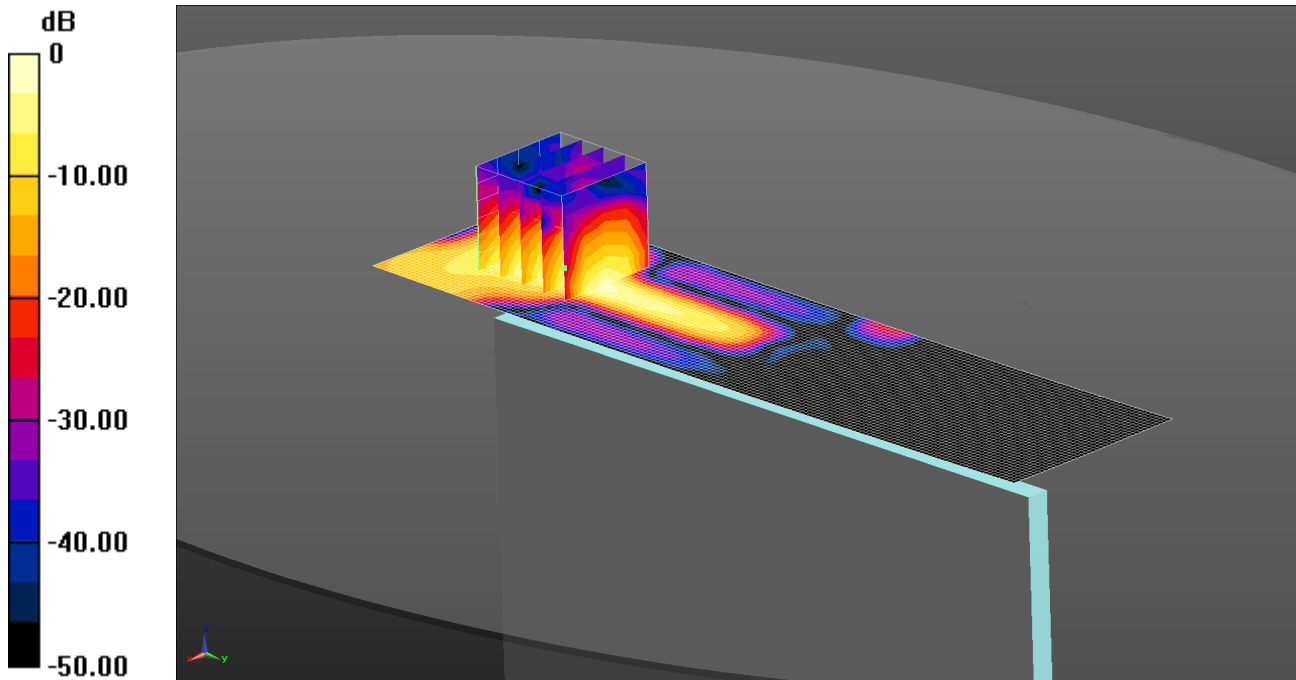
**SAR(1 g) = 0.721 W/kg; SAR(10 g) = 0.337 W/kg**

Maximum value of SAR (measured) = 0.818 W/kg

021: Right of EUT Facing Phantom UMTS Band 2 CH9538

Date: 22/07/14

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.103 W/kg = -9.87 dBW/kg

Communication System: UID 0, UMTS FDD (0); Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: 1900 MHz /MSL Medium parameters used (interpolated):  $f = 1907.6$  MHz;  $\sigma = 1.535$  S/m;  $\epsilon_r = 52.542$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 09/05/14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/04/14
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Right of EUT Facing Phantom - Middle/Area Scan (41x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.103 W/kg

Configuration/Right of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.968 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.114 W/kg

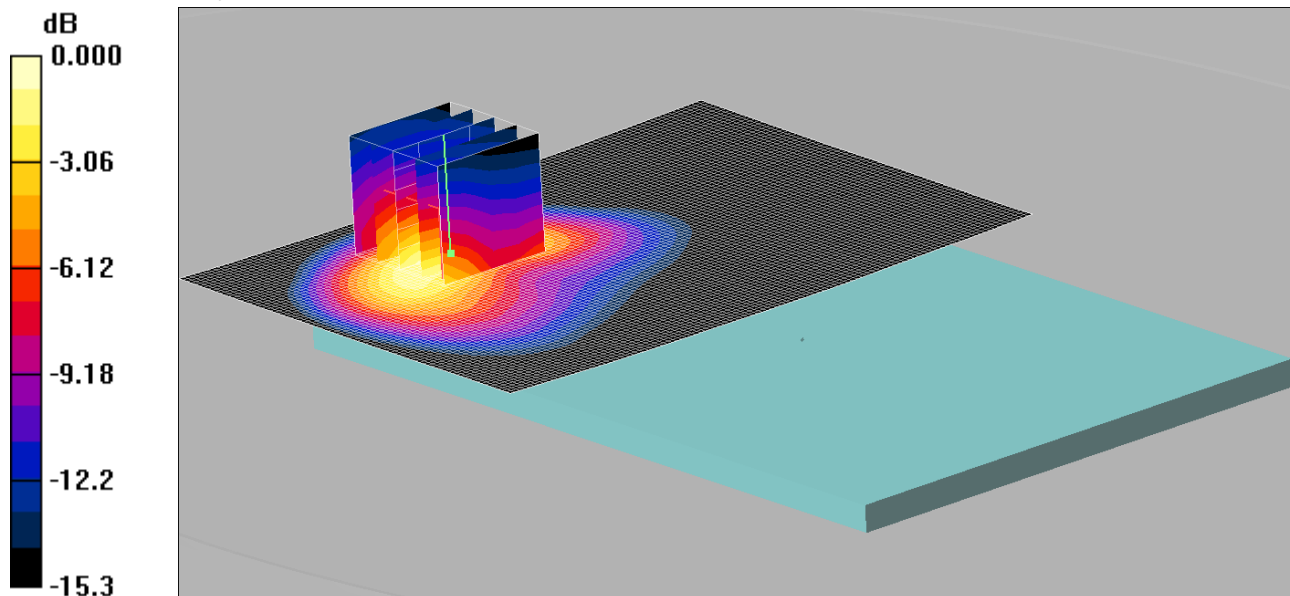
SAR(1 g) = 0.063 W/kg; SAR(10 g) = 0.030 W/kg

Maximum value of SAR (measured) = 0.0742 W/kg

022: Back of EUT Facing Phantom UMTS FDD 5 CH4183

Date: 29/07/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 1.11mW/g

Communication System: UMTS-FDD 5; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.98$  mho/m;  $\epsilon_r = 53.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn450; Calibrated: 31/10/2013

- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Back of EUT Facing Phantom - Middle/Area Scan (111x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.945 mW/g

**Back of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.6 V/m; Power Drift = 0.032 dB

Peak SAR (extrapolated) = 2.14 W/kg

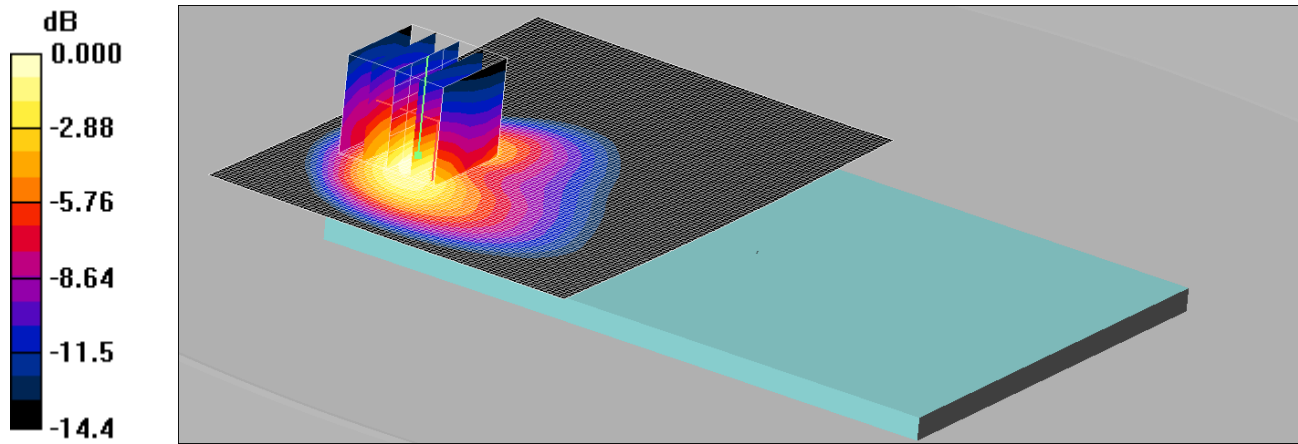
**SAR(1 g) = 0.993 mW/g; SAR(10 g) = 0.505 mW/g**

Maximum value of SAR (measured) = 1.11 mW/g

023: Back of EUT Facing Phantom UMTS FDD 5 CH4132

Date: 21/07/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.937mW/g

Communication System: UMTS-FDD 5; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.978$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Back of EUT Facing Phantom - Low/Area Scan (111x81x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.872 mW/g

**Back of EUT Facing Phantom - Low/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.7 V/m; Power Drift = -0.003 dB

Peak SAR (extrapolated) = 1.96 W/kg

**SAR(1 g) = 0.898 mW/g; SAR(10 g) = 0.456 mW/g**

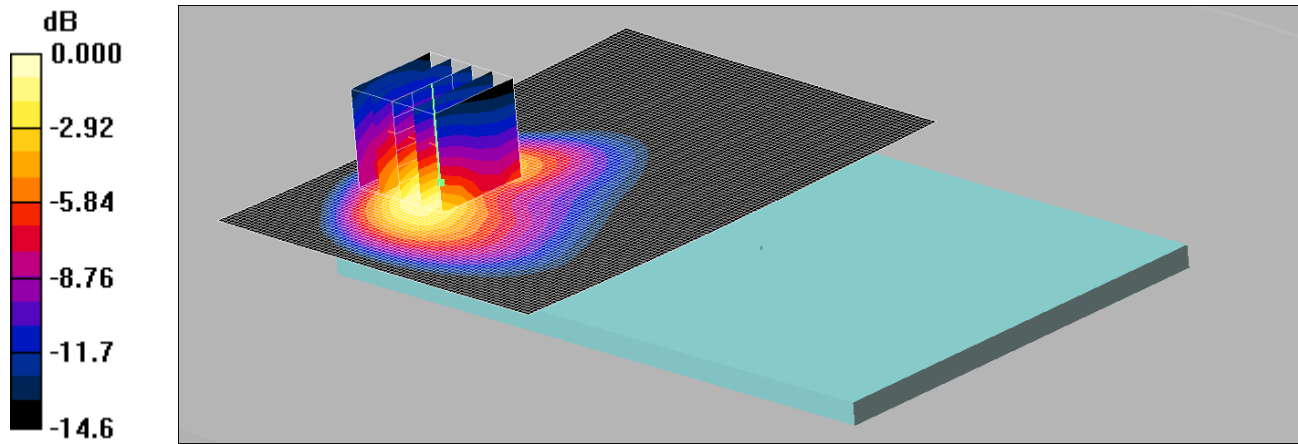
Maximum value of SAR (measured) = 0.937 mW/g



024: Back of EUT Facing Phantom UMTS FDD 5 CH4233

Date: 21/07/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.932mW/g

Communication System: UMTS-FDD 5; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 846.6$  MHz;  $\sigma = 0.99$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Back of EUT Facing Phantom - High/Area Scan (111x81x1):** Measurement grid: dx=15mm, dy=15mm  
 Maximum value of SAR (interpolated) = 0.851 mW/g

**Back of EUT Facing Phantom - High/Zoom Scan (5x5x7) (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.1 V/m; Power Drift = -0.025 dB

Peak SAR (extrapolated) = 1.85 W/kg

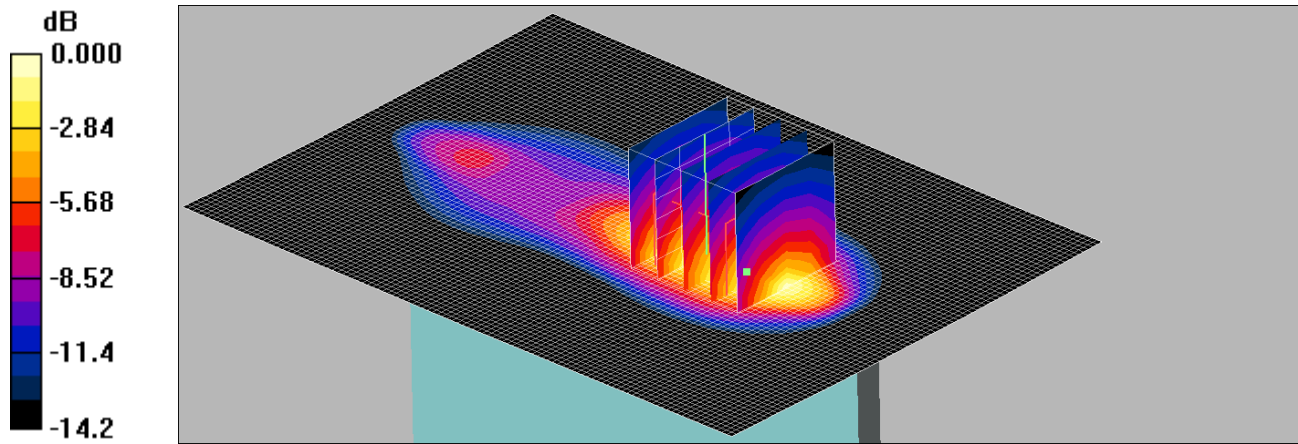
**SAR(1 g) = 0.876 mW/g; SAR(10 g) = 0.447 mW/g**

Maximum value of SAR (measured) = 0.932 mW/g

025: Top of EUT Facing Phantom UMTS FDD 5 CH4183

Date: 21/07/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.810mW/g

Communication System: UMTS-FDD 5; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.984$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Top of EUT Facing Phantom - Middle/Area Scan (81x111x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.910 mW/g

**Top of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.5 V/m; Power Drift = -0.007 dB

Peak SAR (extrapolated) = 1.39 W/kg

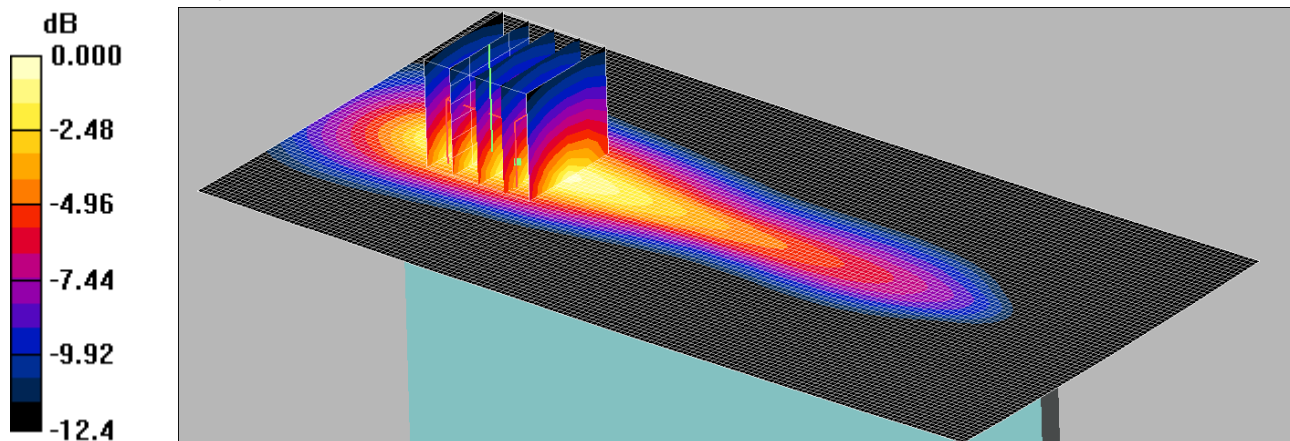
**SAR(1 g) = 0.693 mW/g; SAR(10 g) = 0.383 mW/g**

Maximum value of SAR (measured) = 0.810 mW/g

026: Right of EUT Facing Phantom UMTS FDD 5 CH4183

Date: 21/07/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.109mW/g

Communication System: UMTS-FDD 5; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.984$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Right of EUT Facing Phantom -Middle/Area Scan (81x161x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.107 mW/g

**Right of EUT Facing Phantom -Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.81 V/m; Power Drift = -0.113 dB

Peak SAR (extrapolated) = 0.170 W/kg

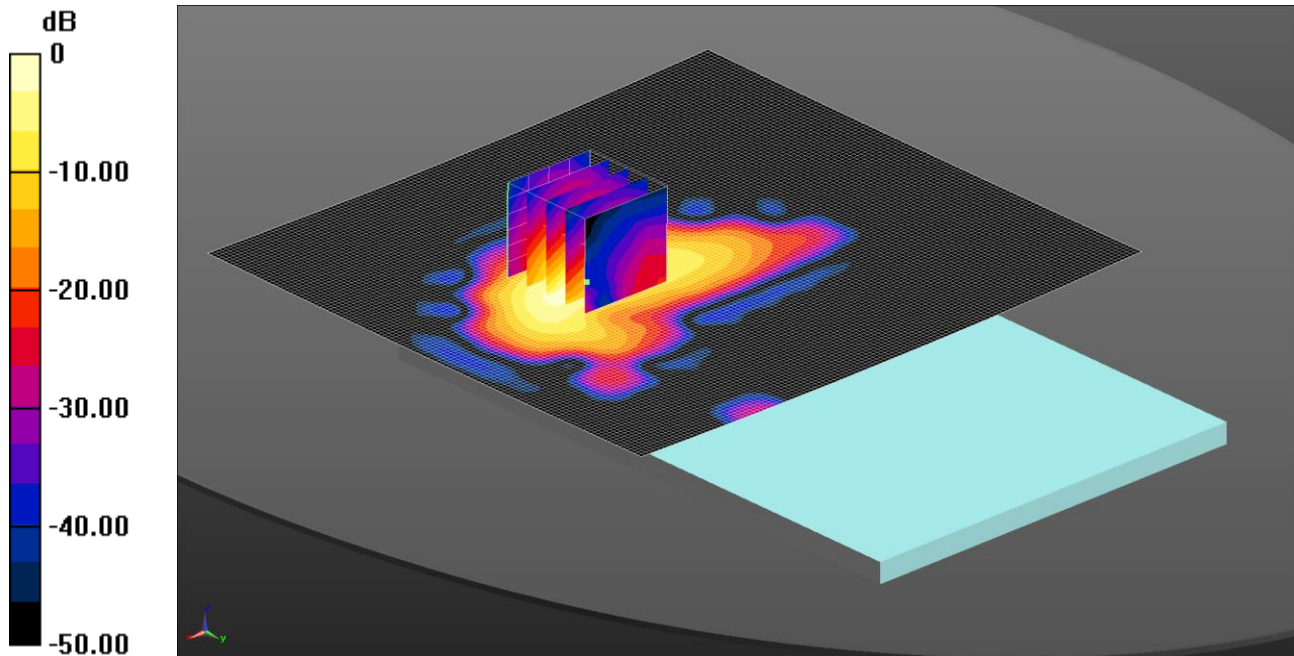
**SAR(1 g) = 0.093 mW/g; SAR(10 g) = 0.053 mW/g**

Maximum value of SAR (measured) = 0.109 mW/g

027: Back of EUT Facing Phantom LTE Band 2 1 RB Mid CH18900

Date: 21/07/14

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.960 W/kg = -0.18 dBW/kg

Communication System: UID 0, LTE Bands - 20MHz Channel BW (0); Frequency: 1880 MHz; Duty Cycle: 1:1  
 Medium: 1900 MHz /MSL Medium parameters used (interpolated):  $f = 1880$  MHz;  $\sigma = 1.51$  S/m;  $\epsilon_r = 52.651$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 09/05/14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/04/14
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

**Configuration/Back of EUT Facing Phantom - Mid/Area Scan (131x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.960 W/kg

**Configuration/Back of EUT Facing Phantom - Mid/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.79 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.76 W/kg

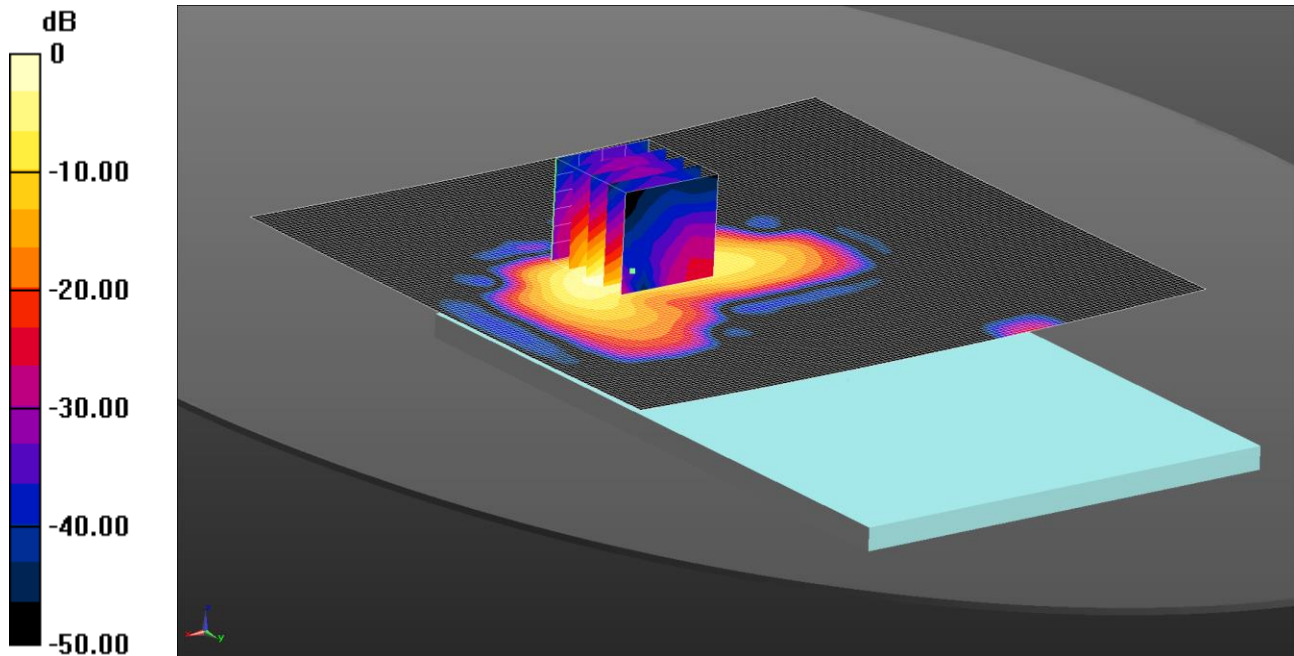
**SAR(1 g) = 0.852 W/kg; SAR(10 g) = 0.378 W/kg**

Maximum value of SAR (measured) = 0.989 W/kg

028: Back of EUT Facing Phantom LTE Band 2 1 RB Mid CH18700

Date: 21/07/14

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.933 W/kg = -0.30 dBW/kg

Communication System: UID 0, LTE Bands - 20MHz Channel BW (0); Frequency: 1860 MHz; Duty Cycle: 1:1  
 Medium: 1900 MHz /MSL Medium parameters used (interpolated):  $f = 1860$  MHz;  $\sigma = 1.492$  S/m;  $\epsilon_r = 52.725$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 09/05/14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/04/14
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

**Configuration/Back of EUT Facing Phantom - Low/Area Scan (131x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.933 W/kg

**Configuration/Back of EUT Facing Phantom - Low/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.20 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.69 W/kg

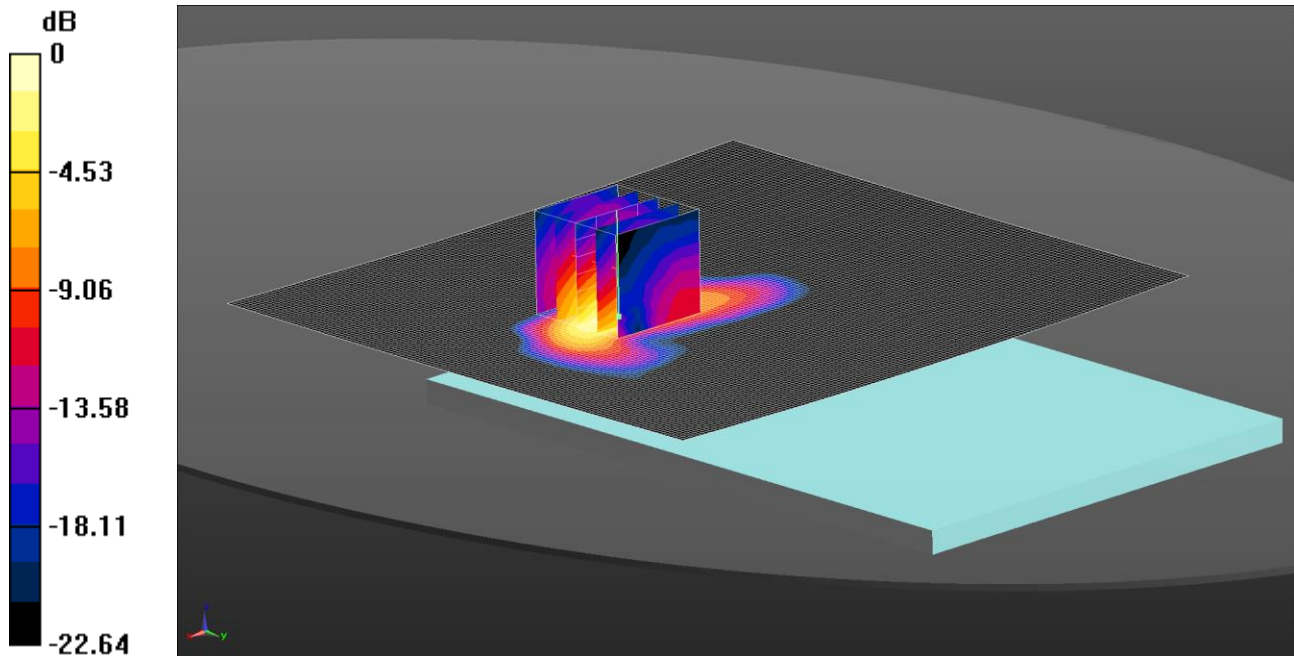
**SAR(1 g) = 0.819 W/kg; SAR(10 g) = 0.356 W/kg**

Maximum value of SAR (measured) = 0.951 W/kg

029: Back of EUT Facing Phantom LTE Band 2 1 RB Mid CH19100

Date: 21/07/14

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.950 W/kg = -0.22 dBW/kg

Communication System: UID 0, LTE Bands - 20MHz Channel BW (0); Frequency: 1900 MHz; Duty Cycle: 1:1  
 Medium: 1900 MHz /MSL Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.528$  S/m;  $\epsilon_r = 52.578$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 09/05/14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/04/14
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

**Configuration/Back of EUT Facing Phantom - High/Area Scan (131x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.991 W/kg

**Configuration/Back of EUT Facing Phantom - High/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.51 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.62 W/kg

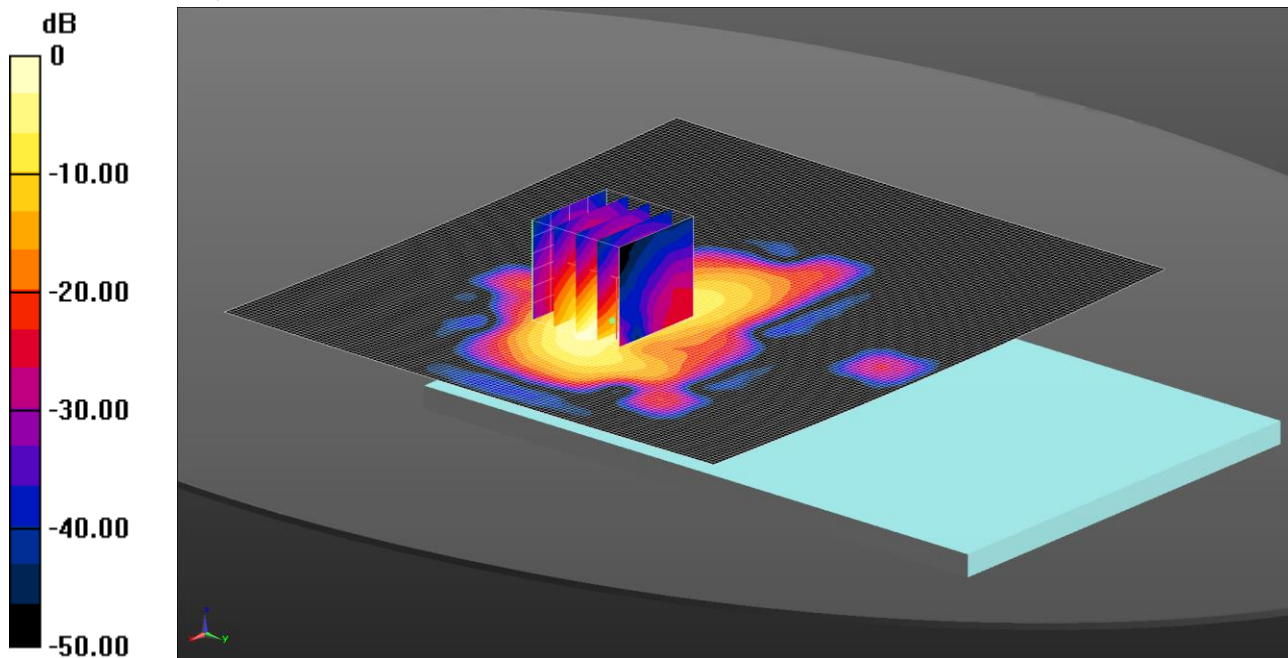
**SAR(1 g) = 0.813 W/kg; SAR(10 g) = 0.355 W/kg**

Maximum value of SAR (measured) = 0.950 W/kg

030: Back of EUT Facing Phantom LTE Band 2 50% RB Mid CH18900

Date: 21/07/14

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 1.01 W/kg = 0.03 dBW/kg

Communication System: UID 0, LTE Bands - 20MHz Channel BW (0); Frequency: 1880 MHz; Duty Cycle: 1:1  
 Medium: 1900 MHz /MSL Medium parameters used (interpolated): f = 1880 MHz;  $\sigma = 1.51$  S/m;  $\epsilon_r = 52.651$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 09/05/14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/04/14
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

**Configuration/Back of EUT Facing Phantom - High/Area Scan (131x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.01 W/kg

**Configuration/Back of EUT Facing Phantom - High/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.71 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.80 W/kg

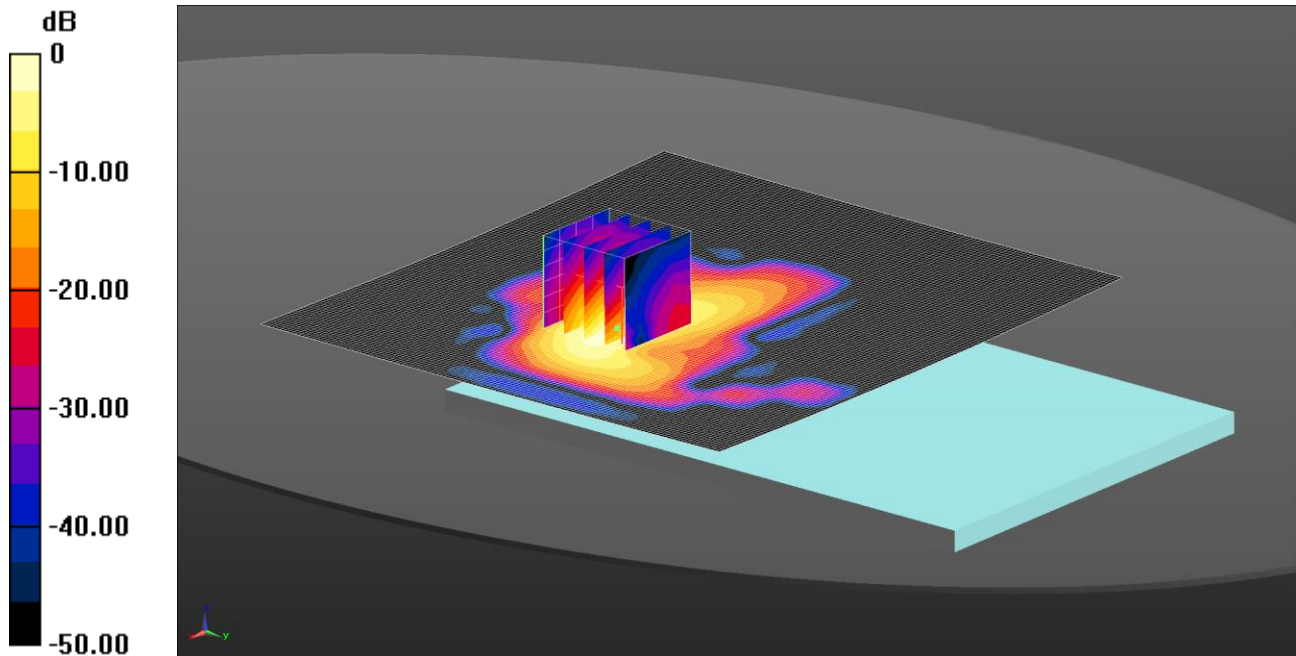
**SAR(1 g) = 0.872 W/kg; SAR(10 g) = 0.381 W/kg**

Maximum value of SAR (measured) = 1.00 W/kg

031: Back of EUT Facing Phantom LTE Band 2 50% RB Mid CH18700

Date: 21/07/14

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.914 W/kg = -0.39 dBW/kg

Communication System: UID 0, LTE Bands - 20MHz Channel BW (0); Frequency: 1860 MHz; Duty Cycle: 1:1  
 Medium: 1900 MHz /MSL Medium parameters used (interpolated): f = 1860 MHz;  $\sigma = 1.492$  S/m;  $\epsilon_r = 52.725$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 09/05/14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/04/14
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

**Configuration/Back of EUT Facing Phantom - High/Area Scan (131x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.914 W/kg

**Configuration/Back of EUT Facing Phantom - High/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement

grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.40 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.69 W/kg

**SAR(1 g) = 0.827 W/kg; SAR(10 g) = 0.360 W/kg**

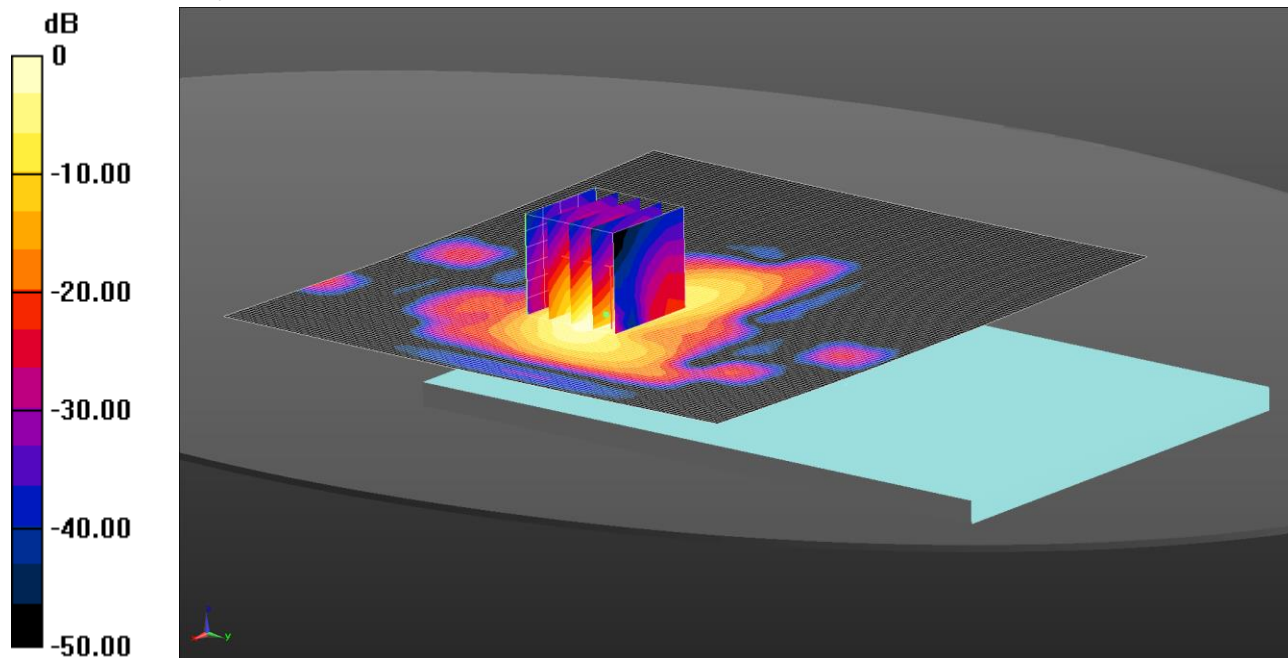
Maximum value of SAR (measured) = 0.968 W/kg



032: Back of EUT Facing Phantom LTE Band 2 50% RB Mid CH19100

Date: 21/07/14

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.902 W/kg = -0.45 dBW/kg

Communication System: UID 0, LTE Bands - 20MHz Channel BW (0); Frequency: 1900 MHz; Duty Cycle: 1:1  
 Medium: 1900 MHz /MSL Medium parameters used: f = 1900 MHz;  $\sigma = 1.528$  S/m;  $\epsilon_r = 52.578$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 09/05/14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/04/14
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

**Configuration/Back of EUT Facing Phantom - High 2/Area Scan (131x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.902 W/kg

**Configuration/Back of EUT Facing Phantom - High 2/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.74 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.76 W/kg

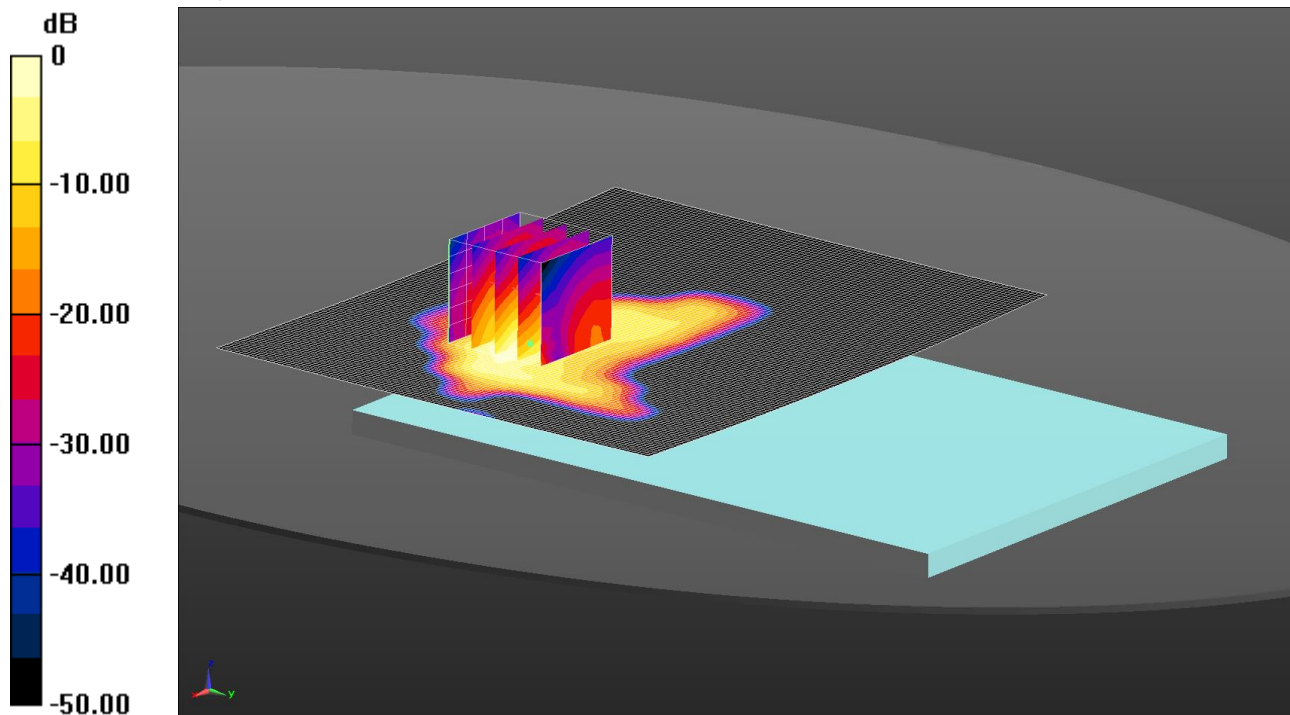
**SAR(1 g) = 0.844 W/kg; SAR(10 g) = 0.368 W/kg**

Maximum value of SAR (measured) = 0.986 W/kg

033: Back of EUT Facing Phantom LTE Band 2 100% RB CH18900

Date: 1/8/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 25.21 V/m = 28.03 dBV/m

Communication System: UID 0, LTE Bands - 20MHz Channel BW (0); Frequency: 1880 MHz; Duty Cycle: 1:1  
 Medium: 1900 MHz MSL Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>, Medium parameters used (interpolated):  $f = 1880$  MHz;  $\sigma = 1.529$  S/m;  $\epsilon_r = 51.977$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 9/5/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/4/2014
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

**Configuration/Back of EUT Facing Phantom - High 2 2 2 2 2/Area Scan (121x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of Total (interpolated) = 25.21 V/m

**Configuration/Back of EUT Facing Phantom - High 2 2 2 2 2/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:**

Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.343 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.80 W/kg

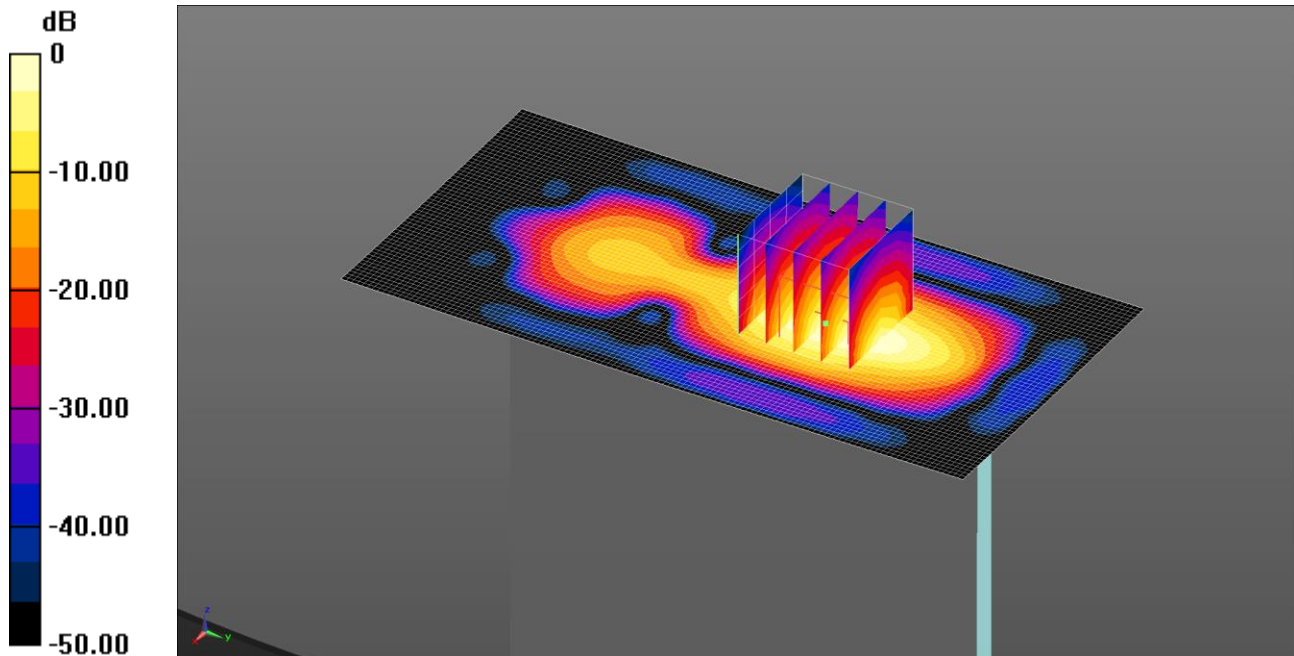
**SAR(1 g) = 0.899 W/kg; SAR(10 g) = 0.405 W/kg**

Maximum value of SAR (measured) = 1.00 W/kg

034: Top of EUT Facing Phantom LTE Band 2 1 RB Mid CH18900

Date: 22/07/14

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.992 W/kg = -0.03 dBW/kg

Communication System: UID 0, LTE Bands - 20MHz Channel BW (0); Frequency: 1880 MHz; Duty Cycle: 1:1  
 Medium: 1900 MHz /MSL Medium parameters used (interpolated):  $f = 1880$  MHz;  $\sigma = 1.51$  S/m;  $\epsilon_r = 52.651$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 09/05/14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/04/14
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

**Configuration/Top of EUT Facing Phantom - Middle/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.992 W/kg

**Configuration/Top of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.16 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.57 W/kg

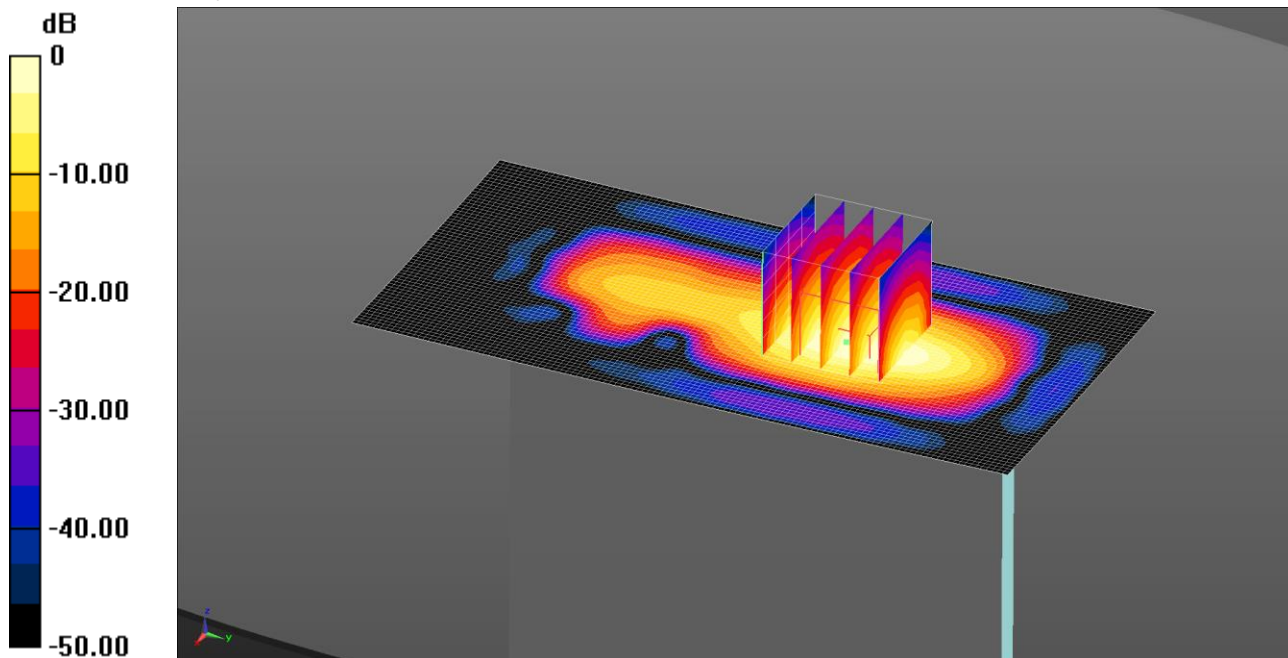
**SAR(1 g) = 0.798 W/kg; SAR(10 g) = 0.370 W/kg**

Maximum value of SAR (measured) = 0.894 W/kg

035: Top of EUT Facing Phantom LTE Band 2 1 RB Mid CH18700

Date: 22/07/14

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.824 W/kg = -0.84 dBW/kg

Communication System: UID 0, LTE Bands - 20MHz Channel BW (0); Frequency: 1860 MHz; Duty Cycle: 1:1  
 Medium: 1900 MHz /MSL Medium parameters used (interpolated): f = 1860 MHz;  $\sigma = 1.492$  S/m;  $\epsilon_r = 52.725$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 09/05/14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/04/14
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

**Configuration/Top of EUT Facing Phantom - Low/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.824 W/kg

**Configuration/Top of EUT Facing Phantom - Low/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.43 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.28 W/kg

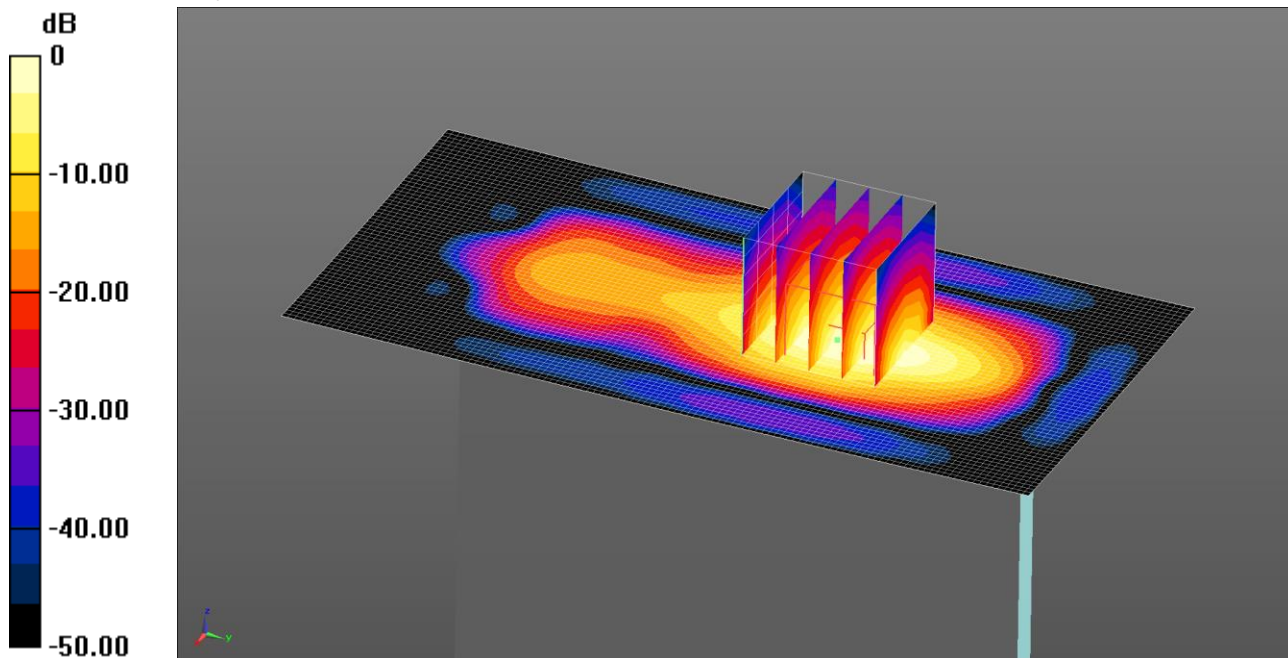
**SAR(1 g) = 0.637 W/kg; SAR(10 g) = 0.300 W/kg**

Maximum value of SAR (measured) = 0.707 W/kg

036: Top of EUT Facing Phantom LTE Band 2 1 RB Mid CH19100

Date: 22/07/14

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 1.01 W/kg = 0.02 dBW/kg

Communication System: UID 0, LTE Bands - 20MHz Channel BW (0); Frequency: 1900 MHz; Duty Cycle: 1:1  
 Medium: 1900 MHz /MSL Medium parameters used: f = 1900 MHz;  $\sigma = 1.528$  S/m;  $\epsilon_r = 52.578$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 09/05/14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/04/14
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

**Configuration/Top of EUT Facing Phantom - High/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.01 W/kg

**Configuration/Top of EUT Facing Phantom - High/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.98 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.49 W/kg

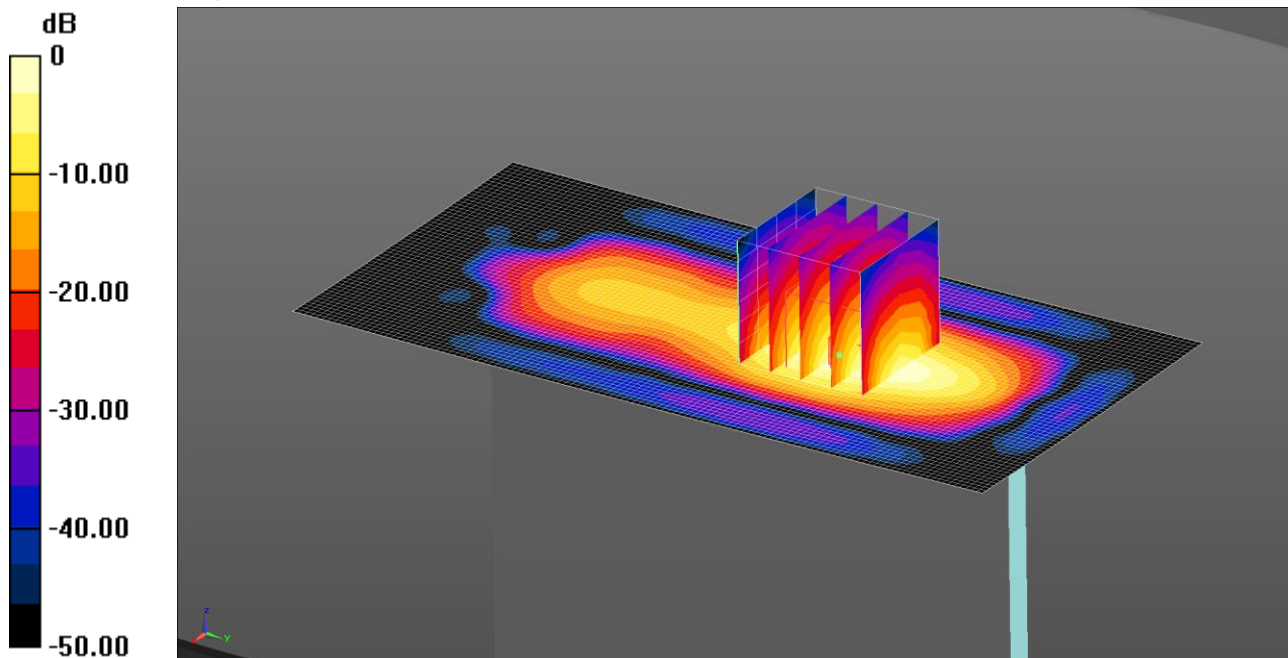
**SAR(1 g) = 0.756 W/kg; SAR(10 g) = 0.352 W/kg**

Maximum value of SAR (measured) = 0.852 W/kg

037: Top of EUT Facing Phantom LTE Band 2 50% RB Mid CH18900

Date: 22/07/14

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.967 W/kg = -0.15 dBW/kg

Communication System: UID 0, LTE Bands - 20MHz Channel BW (0); Frequency: 1900 MHz; Duty Cycle: 1:1  
 Medium: 1900 MHz /MSL Medium parameters used:  $f = 1900 \text{ MHz}$ ;  $\sigma = 1.528 \text{ S/m}$ ;  $\epsilon_r = 52.578$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 09/05/14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/04/14
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

**Configuration/Top of EUT Facing Phantom - Middle/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.967 W/kg

**Configuration/Top of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.74 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.64 W/kg

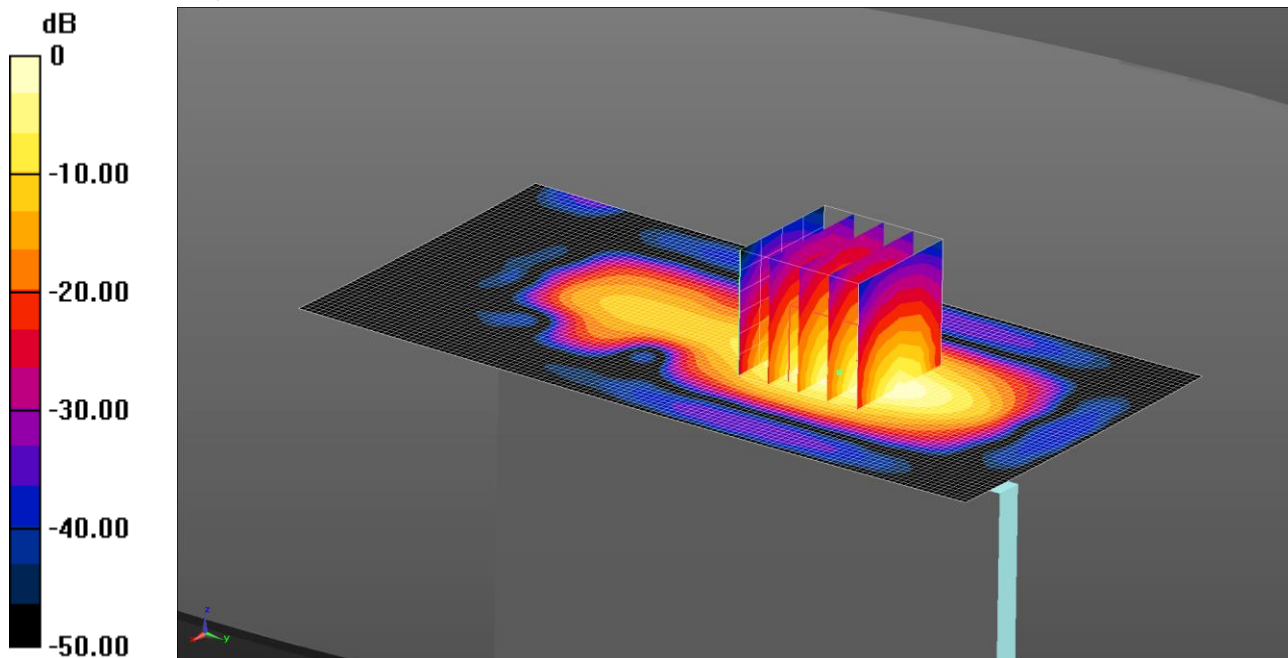
**SAR(1 g) = 0.816 W/kg; SAR(10 g) = 0.374 W/kg**

Maximum value of SAR (measured) = 0.947 W/kg

038: Top of EUT Facing Phantom LTE Band 2 50% RB Mid CH18700

Date: 22/07/14

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.830 W/kg = -0.81 dBW/kg

Communication System: UID 0, LTE Bands - 20MHz Channel BW (0); Frequency: 1860 MHz; Duty Cycle: 1:1  
 Medium: 1900 MHz /MSL Medium parameters used (interpolated): f = 1860 MHz;  $\sigma = 1.492 \text{ S/m}$ ;  $\epsilon_r = 52.725$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 09/05/14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/04/14
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

**Configuration/Top of EUT Facing Phantom - Low/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.830 W/kg

**Configuration/Top of EUT Facing Phantom - Low/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.06 V/m; Power Drift = -0.29 dB

Peak SAR (extrapolated) = 1.37 W/kg

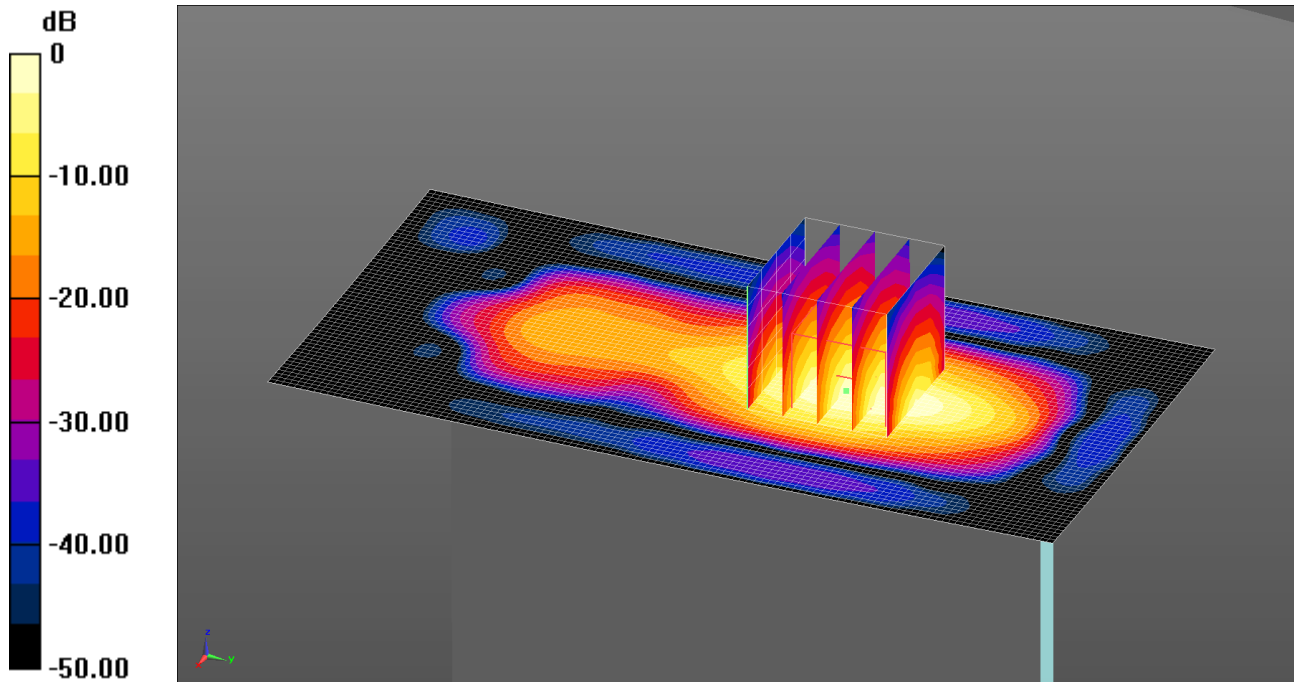
**SAR(1 g) = 0.657 W/kg; SAR(10 g) = 0.302 W/kg**

Maximum value of SAR (measured) = 0.760 W/kg

039: Top of EUT Facing Phantom LTE Band 2 50% RB Mid CH19100

Date: 22/07/14

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.975 W/kg = -0.11 dBW/kg

Communication System: UID 0, LTE Bands - 20MHz Channel BW (0); Frequency: 1900 MHz; Duty Cycle: 1:1  
 Medium: 1900 MHz /MSL Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.528$  S/m;  $\epsilon_r = 52.578$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 09/05/14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/04/14
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

**Configuration/Top of EUT Facing Phantom - High/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.975 W/kg

**Configuration/Top of EUT Facing Phantom - High/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid:

dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.55 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.49 W/kg

**SAR(1 g) = 0.749 W/kg; SAR(10 g) = 0.348 W/kg**

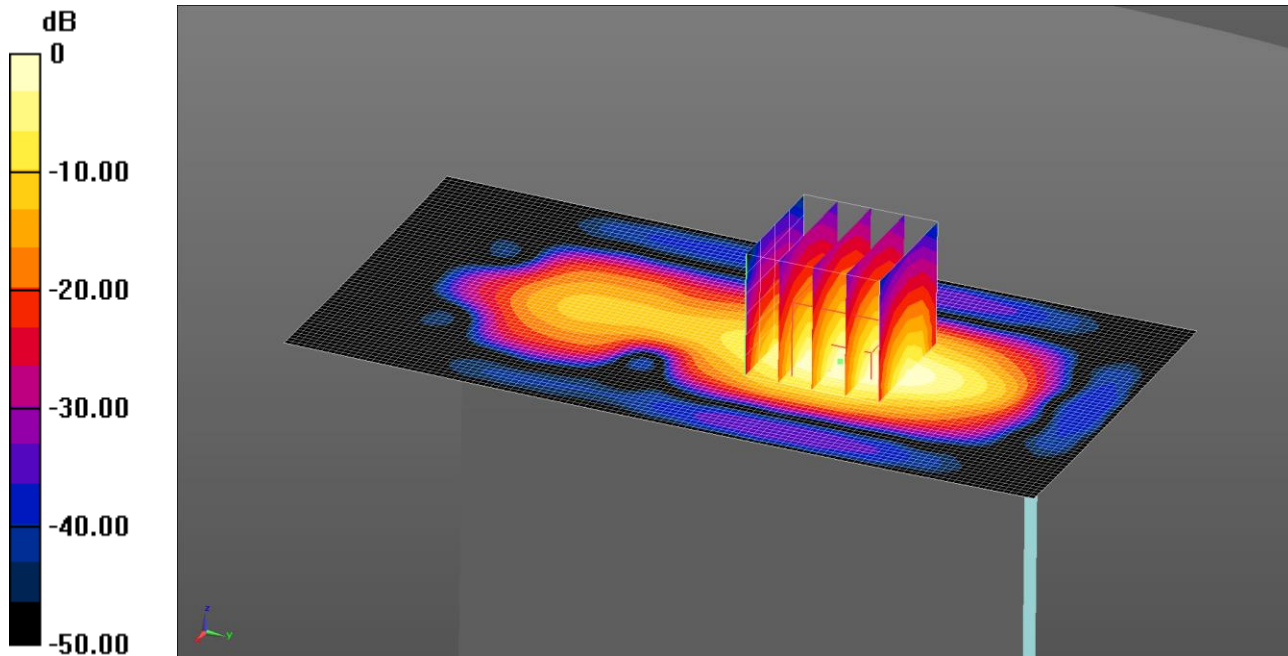
Maximum value of SAR (measured) = 0.879 W/kg



040: Top of EUT Facing Phantom LTE Band 2 100% RB CH18900

Date: 22/07/14

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.971 W/kg = -0.13 dBW/kg

Communication System: UID 0, LTE Bands - 20MHz Channel BW (0); Frequency: 1880 MHz; Duty Cycle: 1:1  
 Medium: 1900 MHz /MSL Medium parameters used (interpolated): f = 1880 MHz;  $\sigma = 1.51$  S/m;  $\epsilon_r = 52.651$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 09/05/14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/04/14
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

**Configuration/Top of EUT Facing Phantom - Middle/Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.971 W/kg

**Configuration/Top of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.63 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.64 W/kg

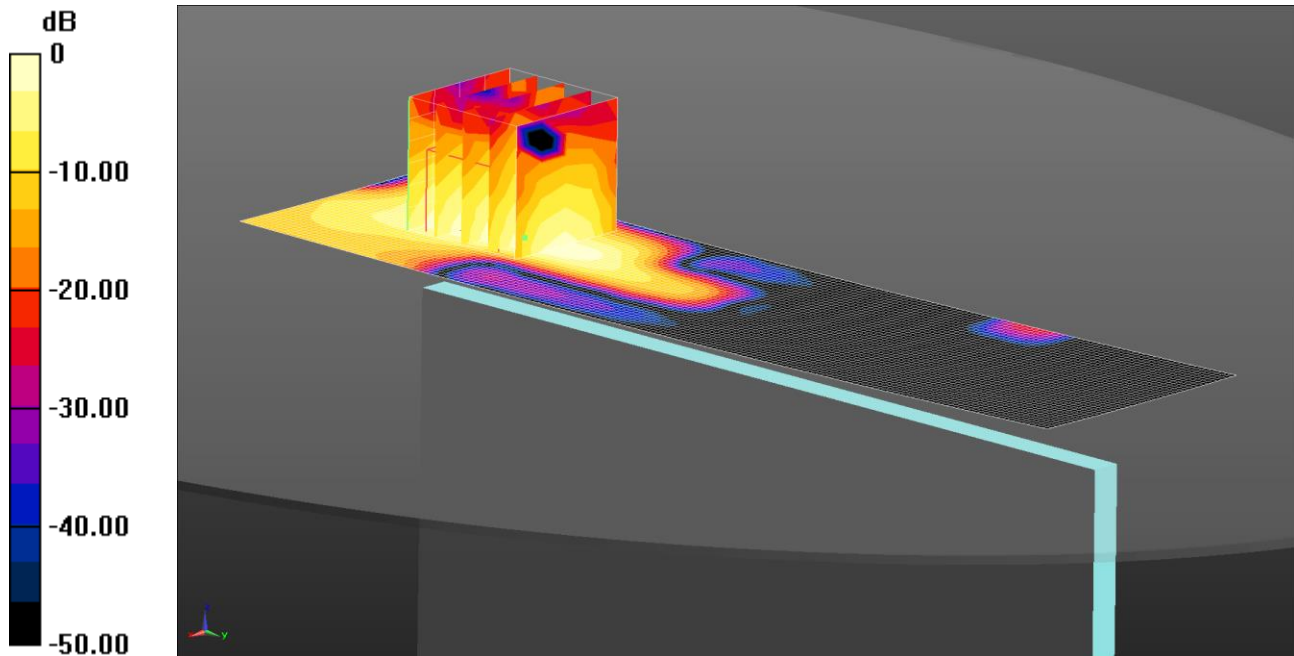
**SAR(1 g) = 0.810 W/kg; SAR(10 g) = 0.370 W/kg**

Maximum value of SAR (measured) = 0.907 W/kg

041: Right of EUT Facing Phantom LTE Band 2 1 RB Mid CH18900

Date: 23/07/14

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.0939 W/kg = -10.28 dBW/kg

Communication System: UID 0, LTE Bands - 20MHz Channel BW (0); Frequency: 1880 MHz; Duty Cycle: 1:1  
 Medium: 1900 MHz /MSL Medium parameters used (interpolated):  $f = 1880$  MHz;  $\sigma = 1.51$  S/m;  $\epsilon_r = 52.651$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 09/05/14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/04/14
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Right of EUT Facing Phantom - Mid/Area Scan (41x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0939 W/kg

Configuration/Right of EUT Facing Phantom - Mid/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.204 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.123 W/kg

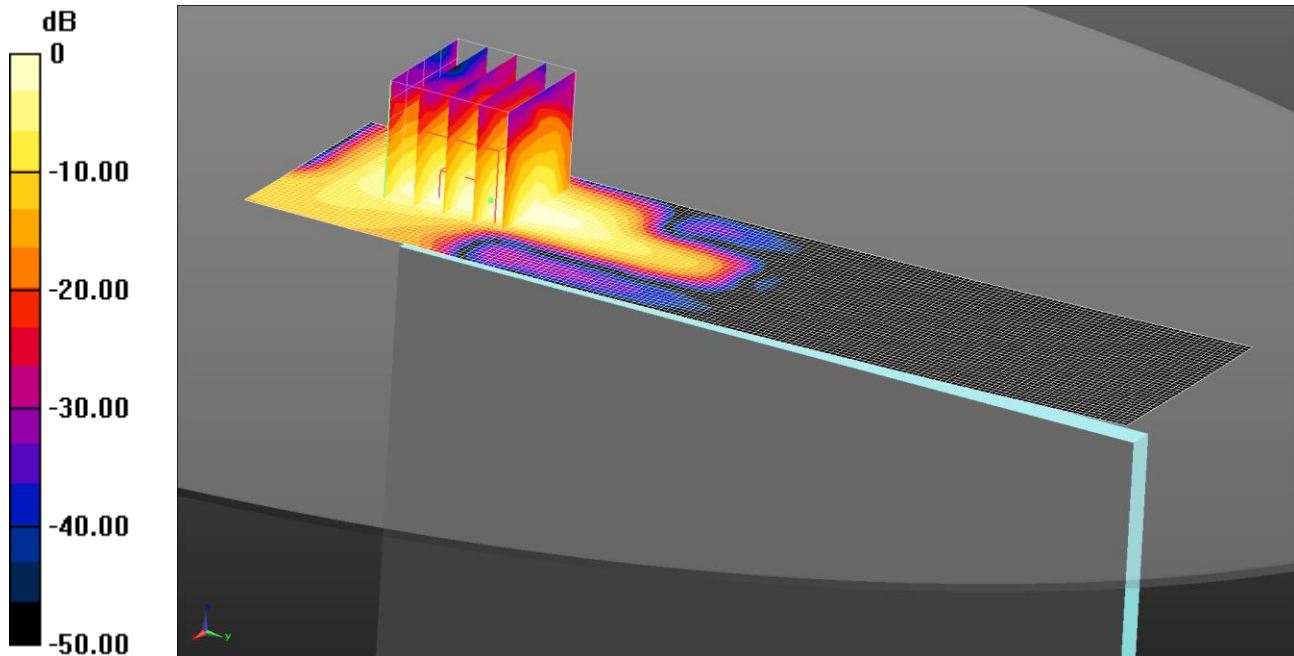
SAR(1 g) = 0.067 W/kg; SAR(10 g) = 0.032 W/kg

Maximum value of SAR (measured) = 0.0774 W/kg

042: Right of EUT Facing Phantom LTE Band 2 50% RB Mid CH18900

Date: 24/07/14

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.0959 W/kg = -10.18 dBW/kg

Communication System: UID 0, LTE Bands - 20MHz Channel BW (0); Frequency: 1880 MHz; Duty Cycle: 1:1  
 Medium: 1900 MHz /MSL Medium parameters used (interpolated):  $f = 1880$  MHz;  $\sigma = 1.51$  S/m;  $\epsilon_r = 52.651$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3995; ConvF(7.74, 7.74, 7.74); Calibrated: 09/05/14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1435; Calibrated: 15/04/14
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Right of EUT Facing Phantom - Mid/Area Scan (41x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0959 W/kg

Configuration/Right of EUT Facing Phantom - Mid/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.102 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.155 W/kg

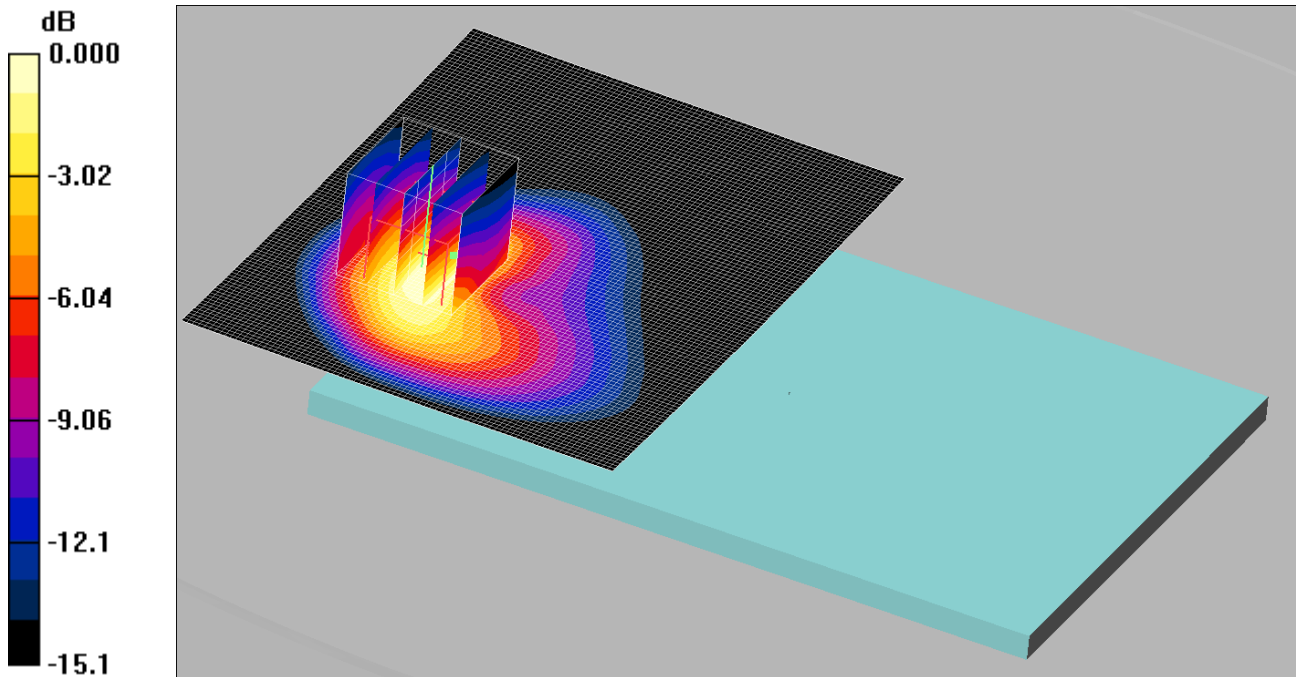
SAR(1 g) = 0.071 W/kg; SAR(10 g) = 0.034 W/kg

Maximum value of SAR (measured) = 0.0806 W/kg

043: Back of EUT Facing Phantom LTE 5 1RB High CH20525

Date: 18/07/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 1.07mW/g

Communication System: LTE Band 5 / 10MHz; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 836.5$  MHz;  $\sigma = 0.984$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Back of EUT Facing Phantom - Middle/Area Scan (111x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.02 mW/g

Back of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.2 V/m; Power Drift = 0.050 dB

Peak SAR (extrapolated) = 2.12 W/kg

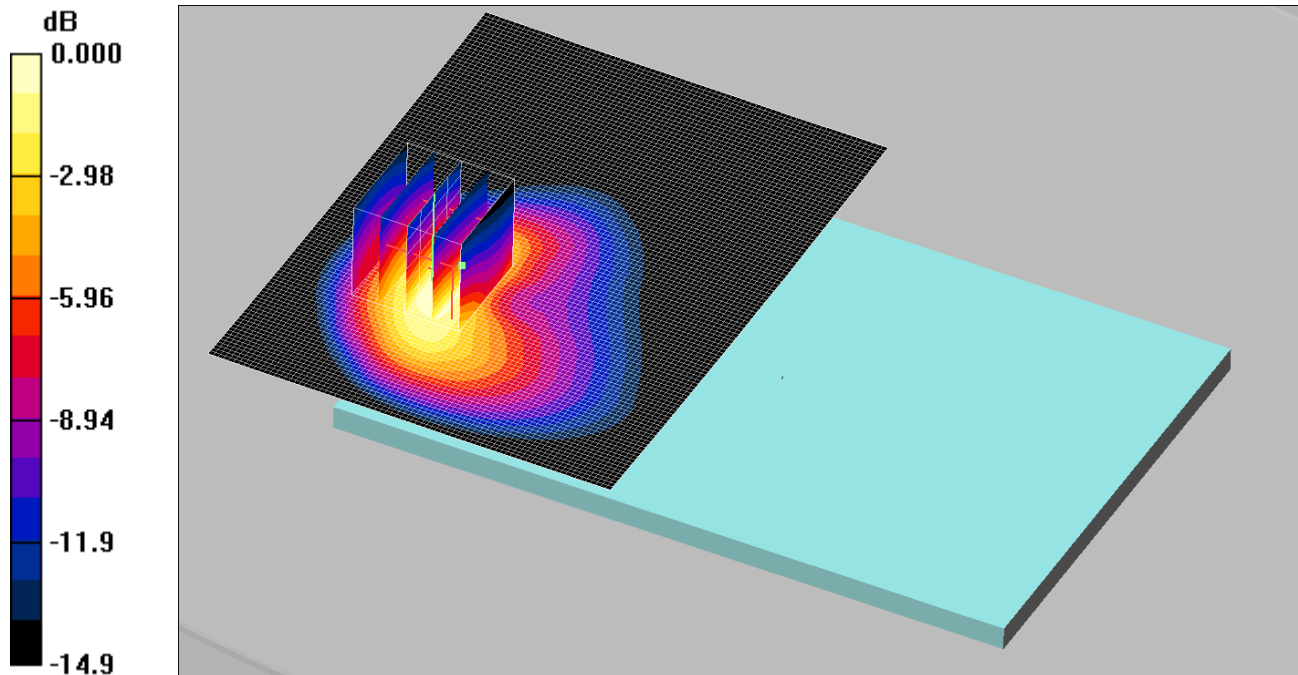
SAR(1 g) = 0.975 mW/g; SAR(10 g) = 0.497 mW/g

Maximum value of SAR (measured) = 1.07 mW/g

044: Back of EUT Facing Phantom LTE 5 1RB High CH20450

Date: 18/07/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.770mW/g

Communication System: LTE Band 5 / 10MHz; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 829$  MHz;  $\sigma = 0.979$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Back of EUT Facing Phantom - Low/Area Scan (111x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.737 mW/g

**Back of EUT Facing Phantom - Low/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.1 V/m; Power Drift = 0.022 dB

Peak SAR (extrapolated) = 1.53 W/kg

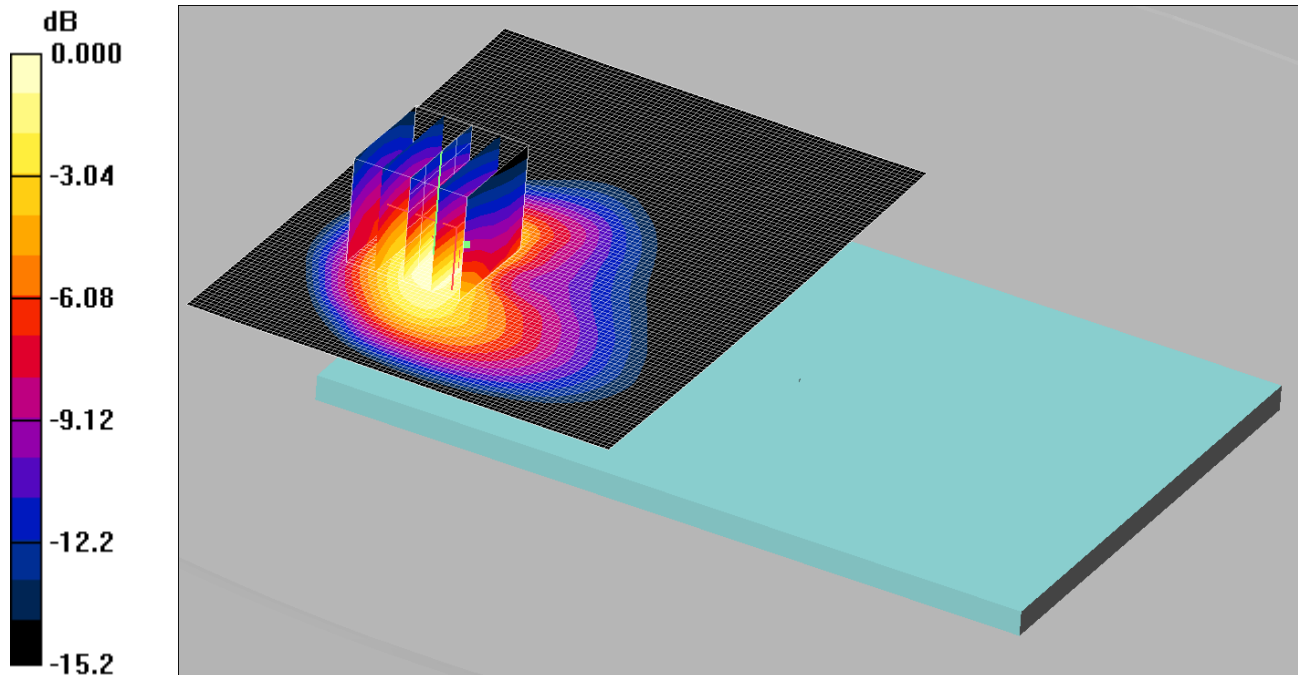
**SAR(1 g) = 0.707 mW/g; SAR(10 g) = 0.359 mW/g**

Maximum value of SAR (measured) = 0.770 mW/g

045: Back of EUT Facing Phantom LTE 5 1RB High CH20600

Date: 18/07/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.805mW/g

Communication System: LTE Band 5 / 10MHz; Frequency: 844 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 844$  MHz;  $\sigma = 0.988$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Back of EUT Facing Phantom - High/Area Scan (111x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.823 mW/g

**Back of EUT Facing Phantom - High/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.4 V/m; Power Drift = -0.012 dB

Peak SAR (extrapolated) = 1.64 W/kg

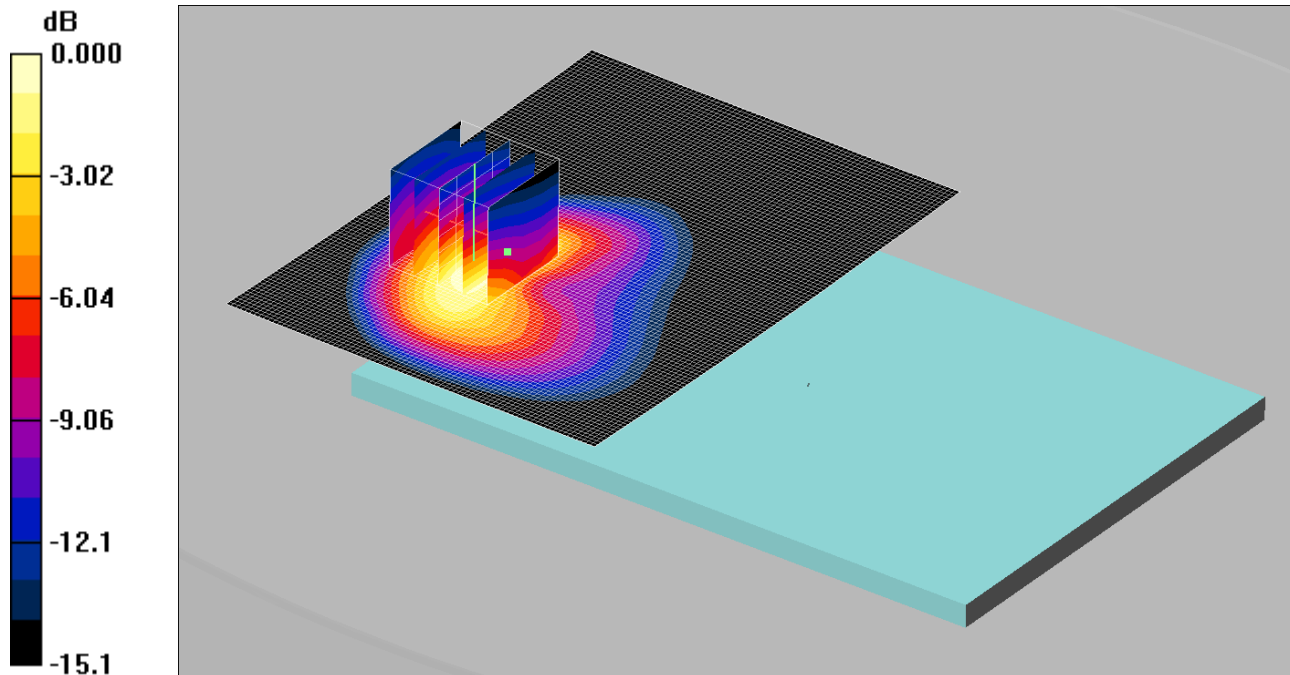
**SAR(1 g) = 0.751 mW/g; SAR(10 g) = 0.381 mW/g**

Maximum value of SAR (measured) = 0.805 mW/g

046: Back of EUT Facing Phantom LTE 5 50%RB Low CH20450

Date: 18/07/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.789mW/g

Communication System: LTE Band 5 / 10MHz; Frequency: 829 MHz;Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used (interpolated): f = 829 MHz;  $\sigma = 0.979$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Back of EUT Facing Phantom - Low/Area Scan (111x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.817 mW/g

**Back of EUT Facing Phantom - Low/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.9 V/m; Power Drift = 0.005 dB

Peak SAR (extrapolated) = 1.66 W/kg

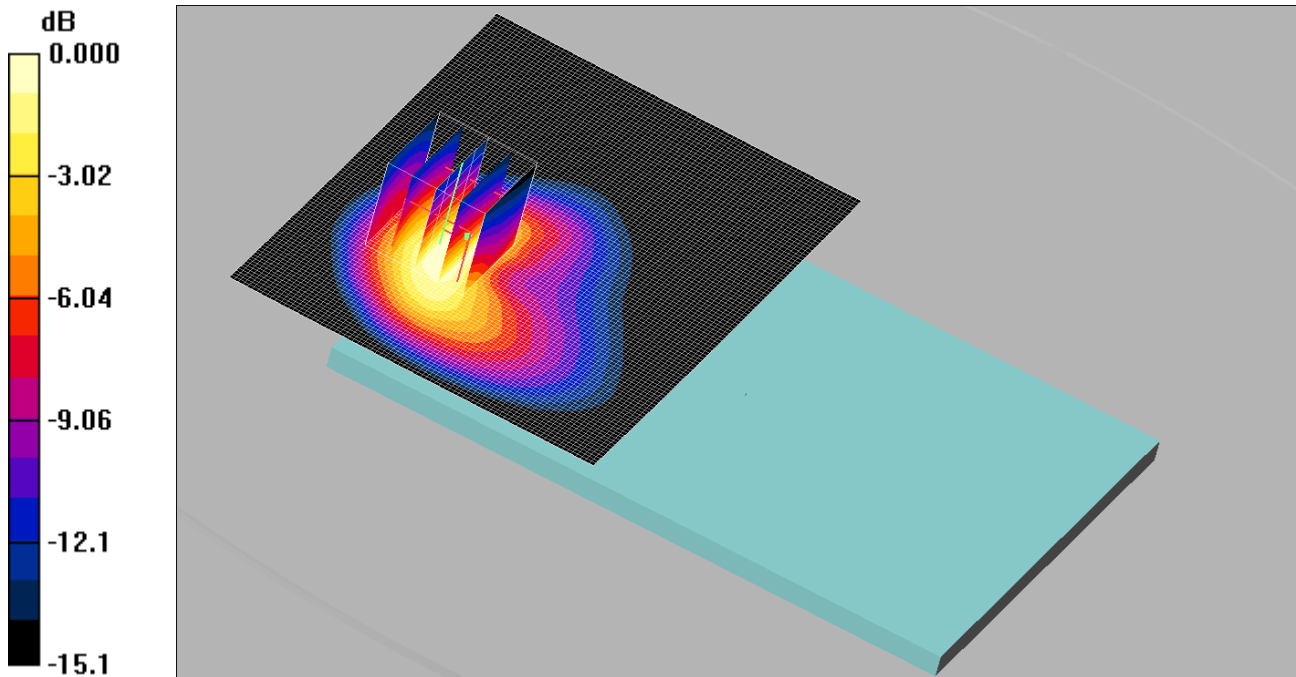
**SAR(1 g) = 0.734 mW/g; SAR(10 g) = 0.367 mW/g**

Maximum value of SAR (measured) = 0.789 mW/g

047: Back of EUT Facing Phantom LTE 5 100%RB CH20525

Date: 18/07/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.912mW/g

Communication System: LTE Band 5 / 10MHz; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 836.5$  MHz;  $\sigma = 0.984$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Back of EUT Facing Phantom - Middle/Area Scan (111x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.943 mW/g

Back of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.1 V/m; Power Drift = -0.025 dB

Peak SAR (extrapolated) = 1.97 W/kg

SAR(1 g) = 0.854 mW/g; SAR(10 g) = 0.428 mW/g

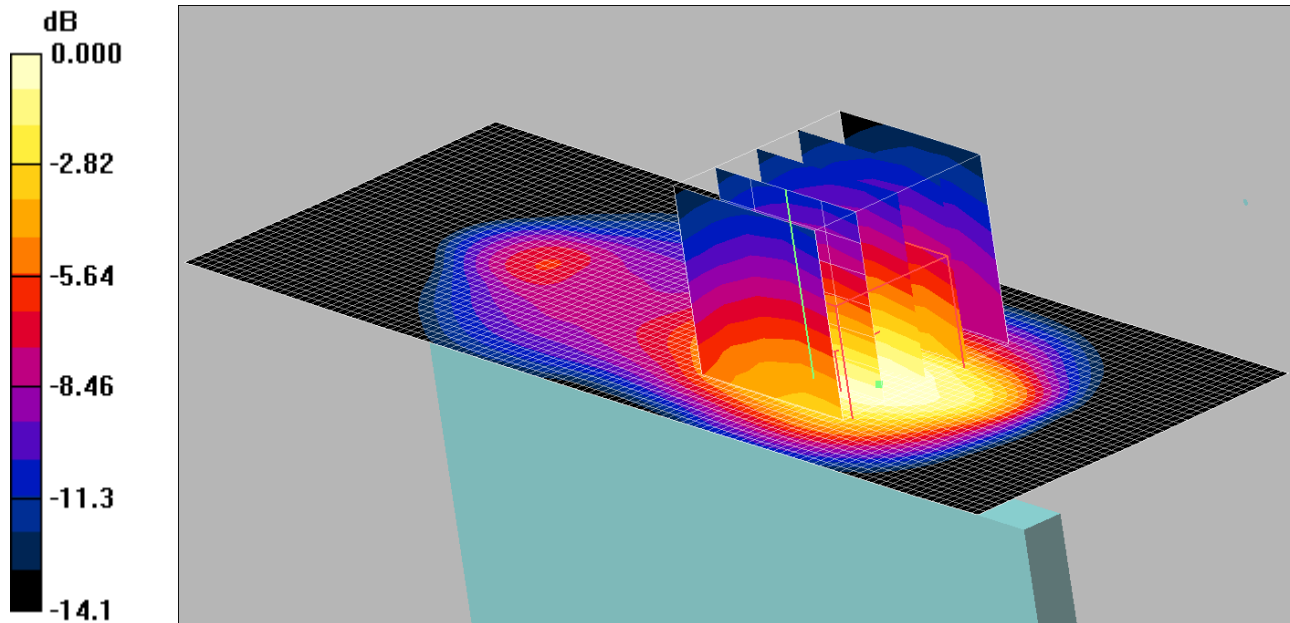
Maximum value of SAR (measured) = 0.912 mW/g



048: Top of EUT Facing Phantom LTE 5 1RB High CH20525

Date: 18/07/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.554mW/g

Communication System: LTE Band 5 / 10MHz; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used (interpolated): f = 836.5 MHz;  $\sigma = 0.984$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Top of EUT Facing Phantom - Middle/Area Scan (121x41x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.615 mW/g

**Top of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.0 V/m; Power Drift = 0.116 dB

Peak SAR (extrapolated) = 0.981 W/kg

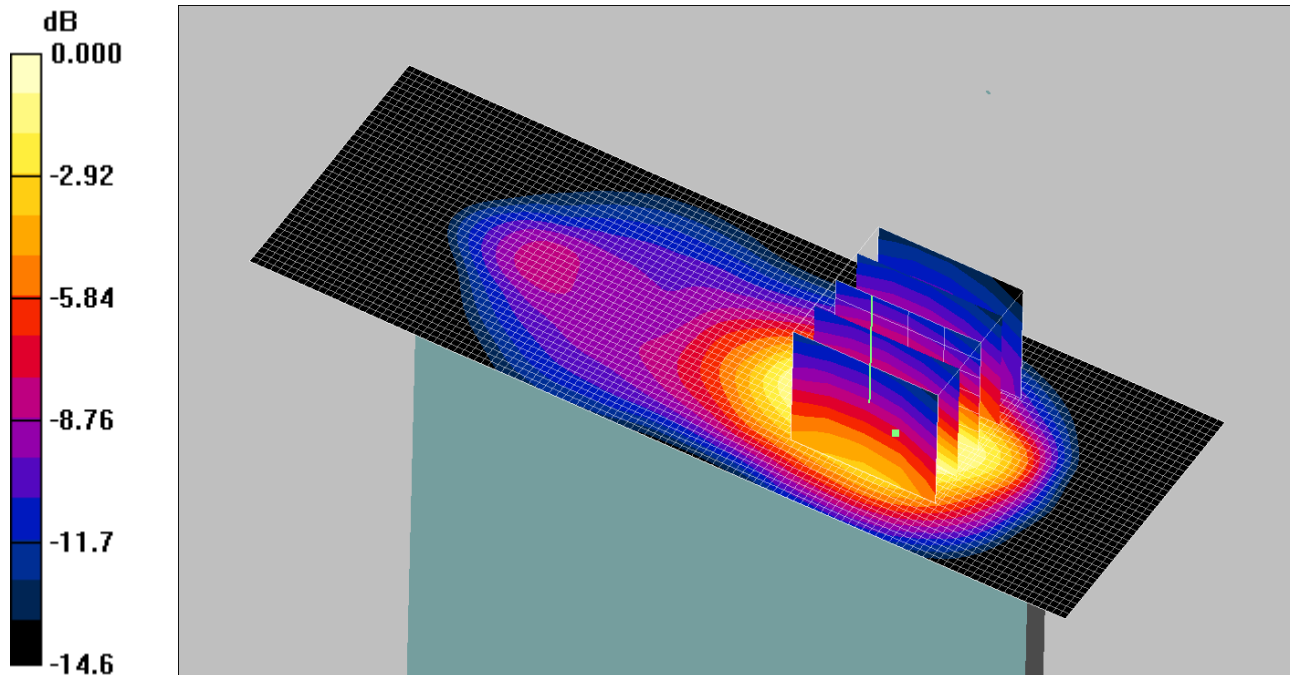
**SAR(1 g) = 0.542 mW/g; SAR(10 g) = 0.305 mW/g**

Maximum value of SAR (measured) = 0.554 mW/g

049: Top of EUT Facing Phantom LTE 5 50% RB Low CH20450

Date: 18/07/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.473mW/g

Communication System: LTE Band 5 / 10MHz; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 829 \text{ MHz}$ ;  $\sigma = 0.979 \text{ mho/m}$ ;  $\epsilon_r = 53.5$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Top of EUT Facing Phantom - Low/Area Scan (121x41x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.509 mW/g

**Top of EUT Facing Phantom - Low/Zoom Scan (5x5x7) 2 2 2 (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 16.4 V/m; Power Drift = 0.165 dB

Peak SAR (extrapolated) = 0.864 W/kg

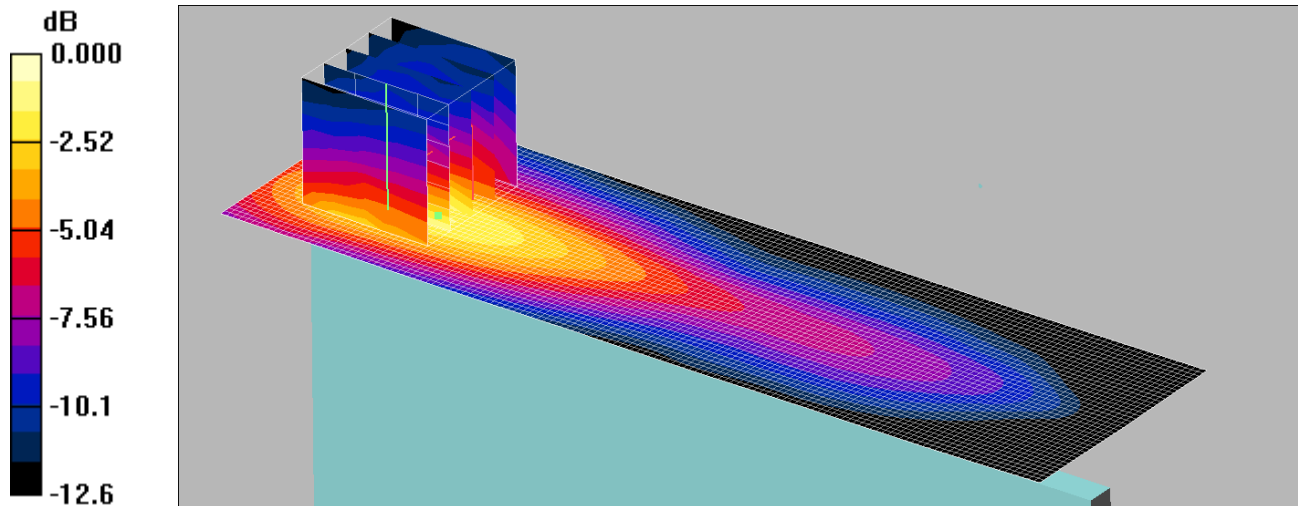
**SAR(1 g) = 0.462 mW/g; SAR(10 g) = 0.253 mW/g**

Maximum value of SAR (measured) = 0.473 mW/g

050: Right of EUT Facing Phantom LTE 5 1RB High CH20525

Date: 18/07/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.025mW/g

Communication System: LTE Band 5 / 10MHz; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 836.5$  MHz;  $\sigma = 0.984$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22);

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn450; Calibrated: 31/10/2013

- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Right of EUT Facing Phantom - Middle/Area Scan (141x41x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.017 mW/g

**Right of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.89 V/m; Power Drift = 0.197 dB

Peak SAR (extrapolated) = 0.048 W/kg

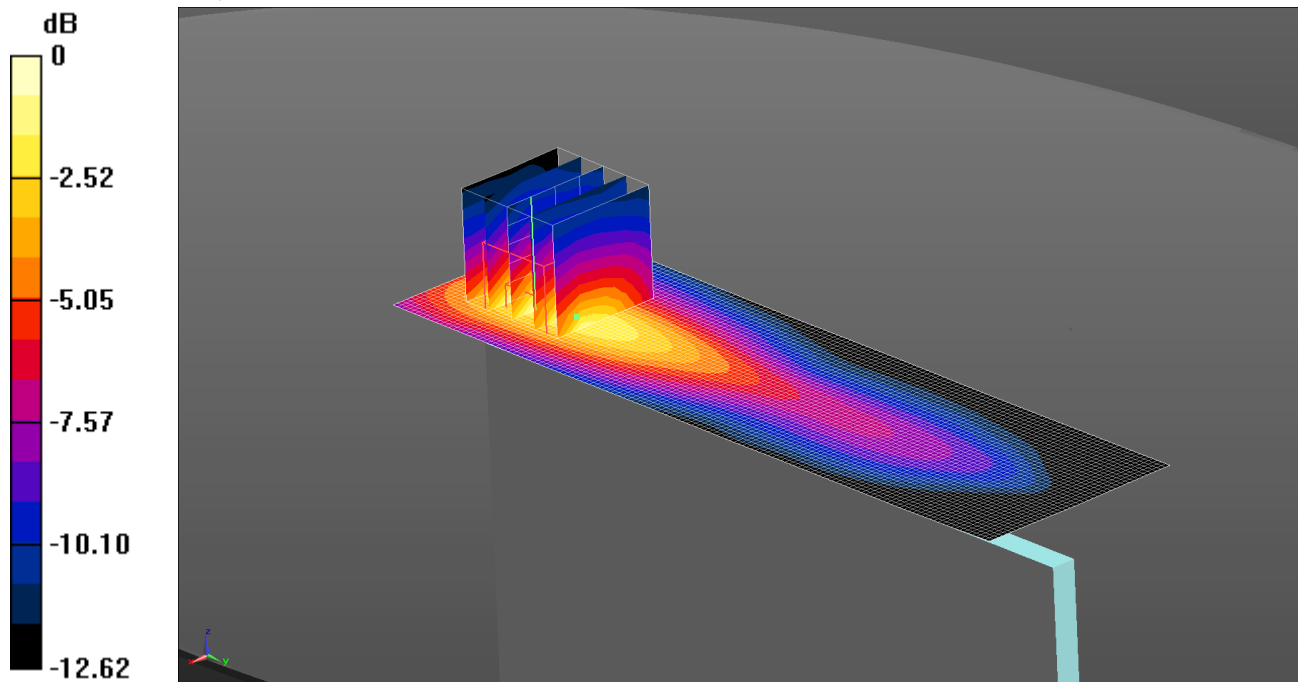
**SAR(1 g) = 0.023 mW/g; SAR(10 g) = 0.012 mW/g**

Maximum value of SAR (measured) = 0.025 mW/g

051: Right of EUT Facing Phantom LTE 5 50% RB Low CH20450

Date: 18/07/14

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.0252 W/kg = -15.99 dBW/kg

Communication System: UID 0, LTE Bands - 10MHz Channel BW (0); Frequency: 829 MHz; Duty Cycle: 1:1  
 Medium: 900 MHz MSL Medium parameters used (interpolated):  $f = 829$  MHz;  $\sigma = 0.979$  S/m;  $\epsilon_r = 53.534$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1586; ConvF(6.22, 6.22, 6.22); Calibrated: 22/05/14;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn450; Calibrated: 31/10/13
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

Configuration/Right of EUT Facing Phantom - Middle/Area Scan (141x41x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0171 W/kg

Configuration/Right of EUT Facing Phantom - Middle/Zoom Scan (5x5x7) 2 2 (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.886 V/m; Power Drift = 0.20 dB

Peak SAR (extrapolated) = 0.0480 W/kg

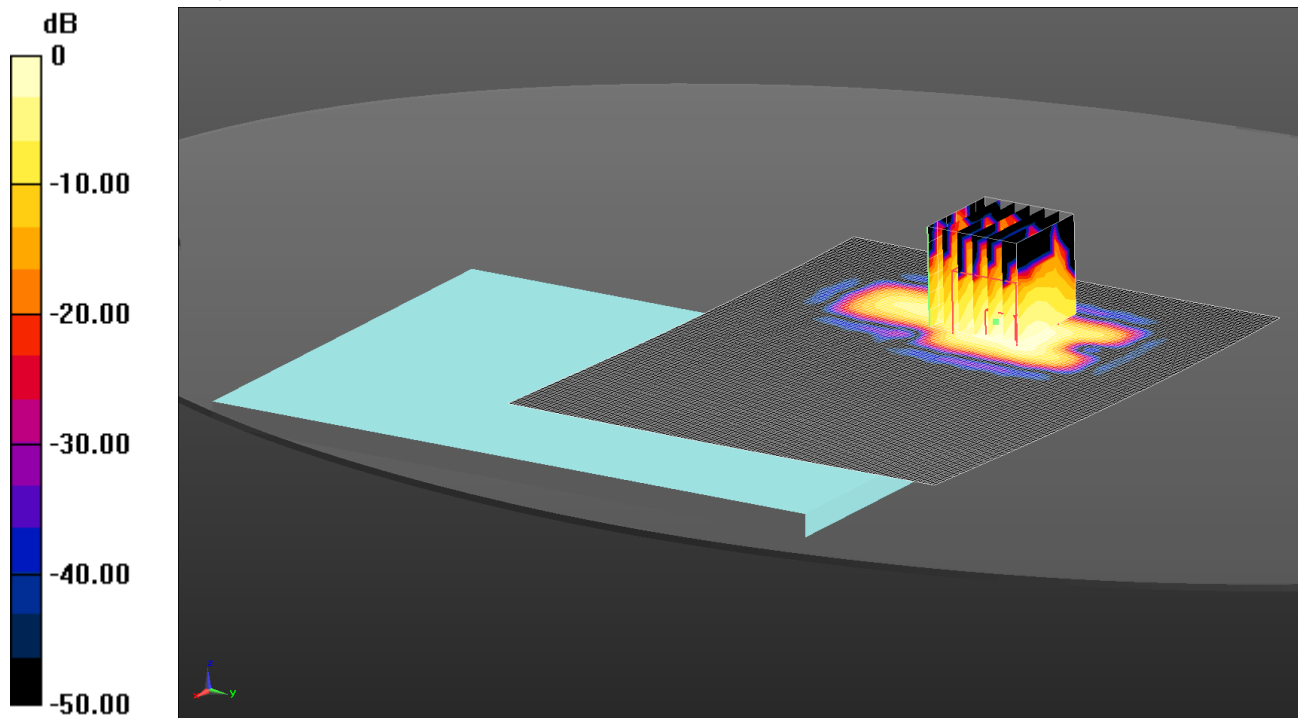
SAR(1 g) = 0.023 W/kg; SAR(10 g) = 0.012 W/kg

Maximum value of SAR (measured) = 0.0252 W/kg

052: Back Of EUT Facing Phantom WiFi 802.11b 1Mbps Antenna 1 CH6

Date: 23/7/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.0702 W/kg = -11.54 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: 2450 MSL Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.911$  S/m;  $\epsilon_r = 50.878$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.01, 7.01, 7.01); Calibrated: 24/9/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1438; Calibrated: 12/5/2014
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

**Configuration/Back of EUT Facing Phantom - Middle 2/Area Scan (151x121x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0702 W/kg

**Configuration/Back of EUT Facing Phantom - Middle 2/Zoom Scan (7x7x7) 2 2 (7x7x7)/Cube 0:**

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.248 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.0880 W/kg

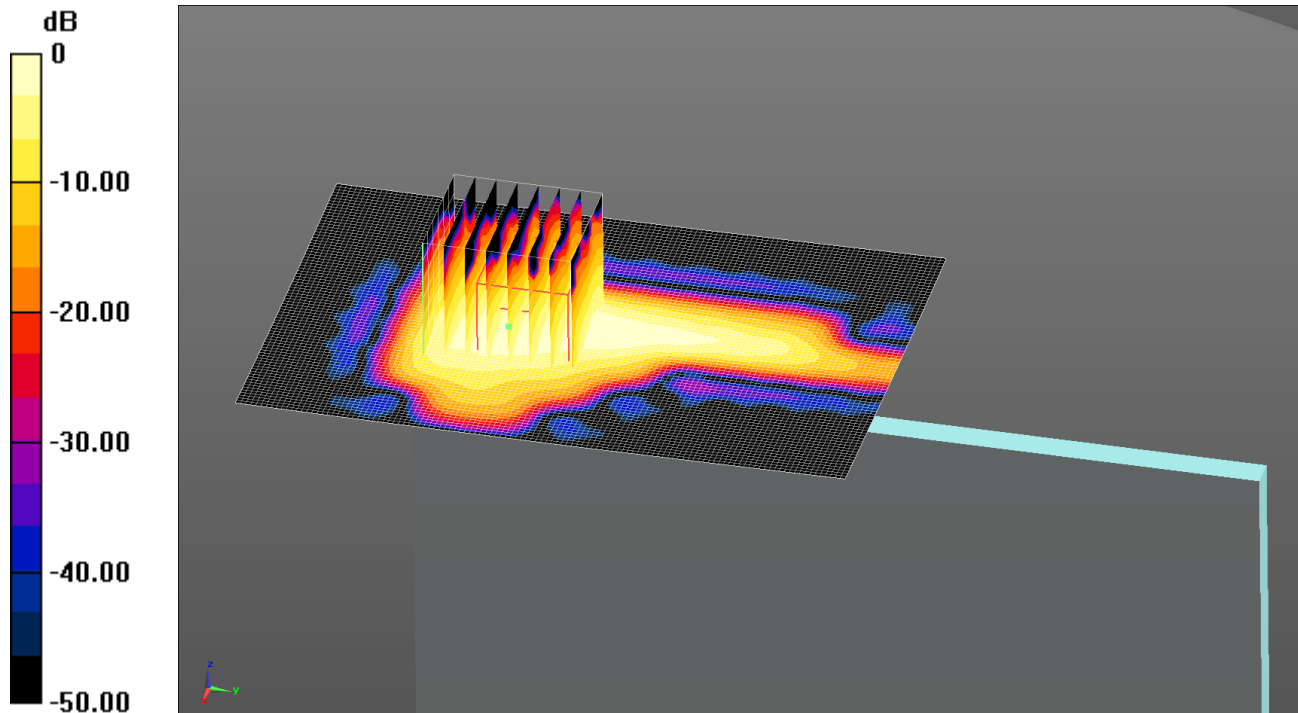
**SAR(1 g) = 0.047 W/kg; SAR(10 g) = 0.022 W/kg**

Maximum value of SAR (measured) = 0.0535 W/kg

053: Left Hand Side Of EUT Facing Phantom WiFi 802.11b 1Mbps Antenna 1 CH6

Date: 23/7/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.164 W/kg = -7.84 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: 2450 MSL Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.911$  S/m;  $\epsilon_r = 50.878$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.01, 7.01, 7.01); Calibrated: 24/9/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1438; Calibrated: 12/5/2014
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

**Configuration/Left Hand Side of EUT Facing Phantom - Middle 2/Area Scan (81x121x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.164 W/kg

**Configuration/Left Hand Side of EUT Facing Phantom - Middle 2/Zoom Scan (7x7x7) (7x8x7)/Cube 0:**

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.679 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.349 W/kg

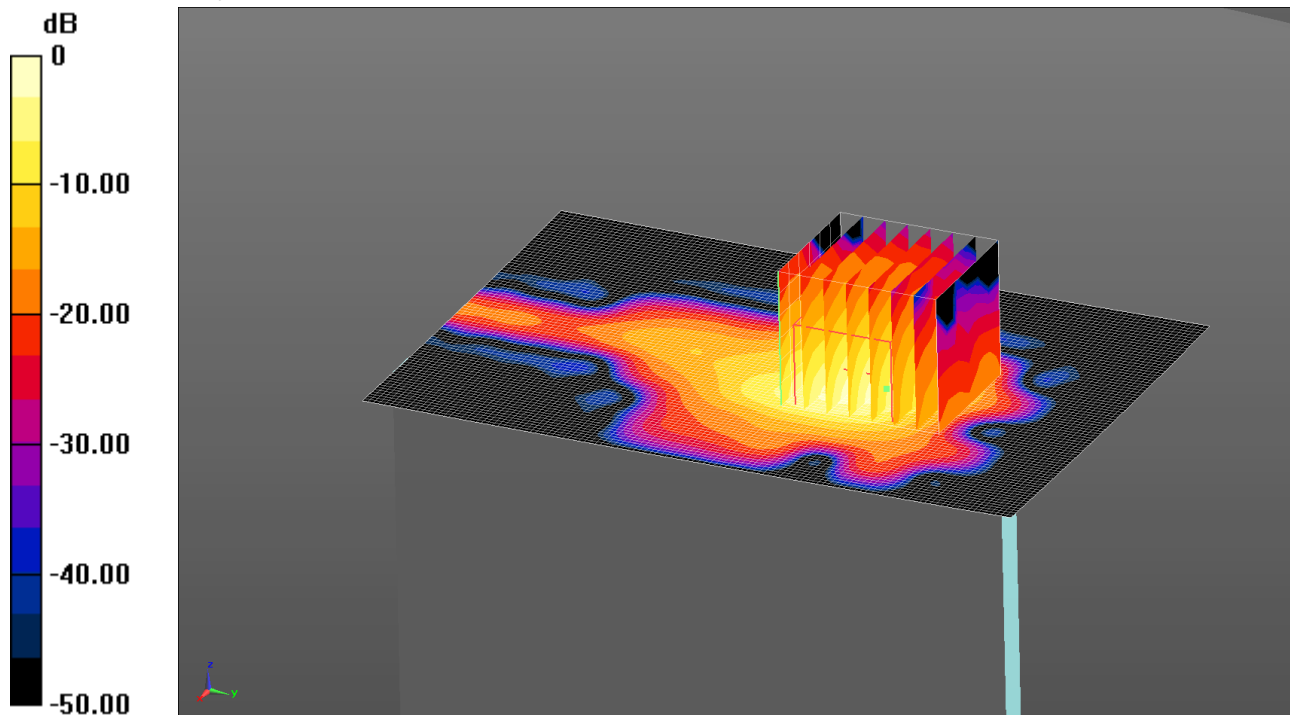
**SAR(1 g) = 0.140 W/kg; SAR(10 g) = 0.064 W/kg**

Maximum value of SAR (measured) = 0.164 W/kg

054: Bottom Of EUT Facing Phantom WiFi 802.11b 1Mbps Antenna 1 CH6

Date: 23/7/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.980 W/kg = -0.09 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: 2450 MSL Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.911$  S/m;  $\epsilon_r = 50.878$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.01, 7.01, 7.01); Calibrated: 24/9/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1438; Calibrated: 12/5/2014
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

**Configuration/Bottom of EUT Facing Phantom - Middle/Area Scan (81x121x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.980 W/kg

**Configuration/Bottom of EUT Facing Phantom - Middle/Zoom Scan (7x7x7) (7x8x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.008 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 2.72 W/kg

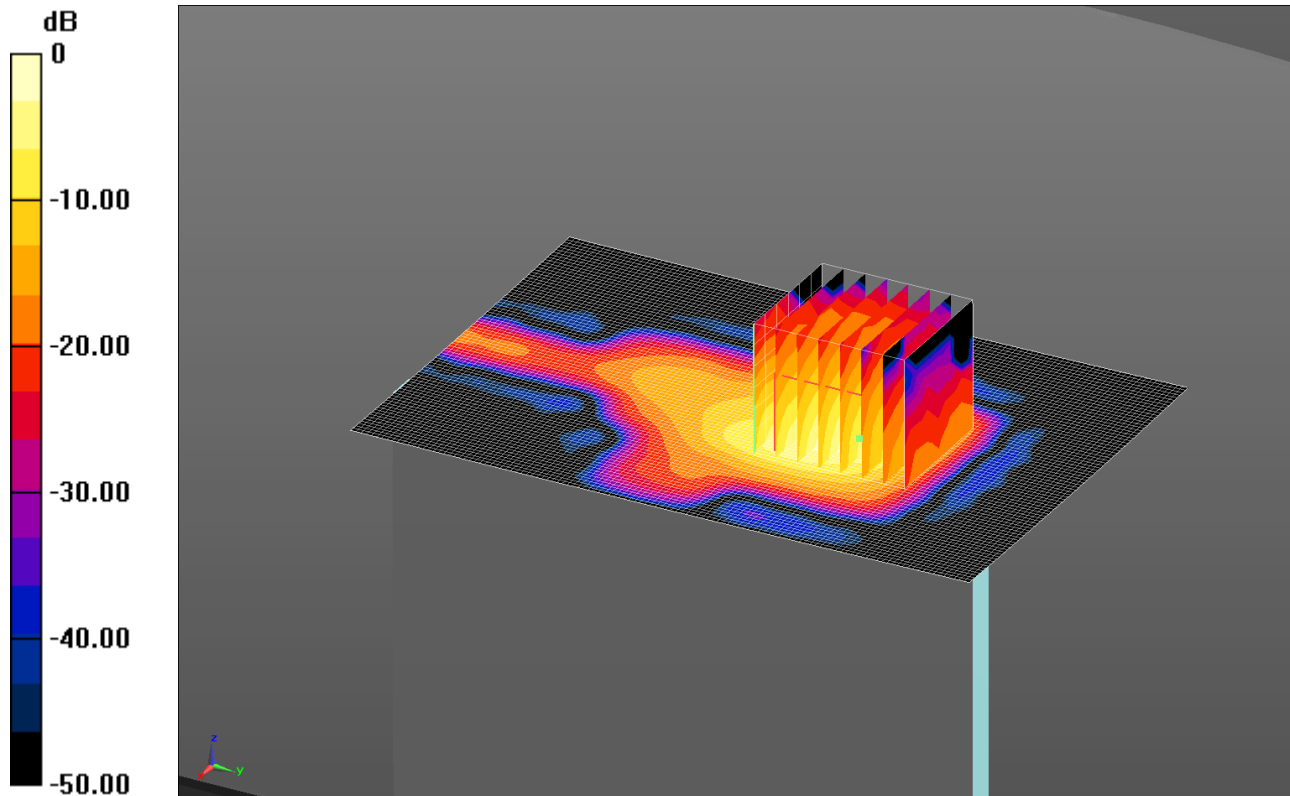
**SAR(1 g) = 0.884 W/kg; SAR(10 g) = 0.286 W/kg**

Maximum value of SAR (measured) = 1.14 W/kg

055: Bottom Of EUT Facing Phantom WiFi 802.11b 1Mbps Antenna 1 CH1

Date: 23/7/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.768 W/kg = -1.15 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: 2450 MSL Medium parameters used (interpolated):  $f = 2412$  MHz;  $\sigma = 1.886$  S/m;  $\epsilon_r = 50.934$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.01, 7.01, 7.01); Calibrated: 24/9/2013;

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1438; Calibrated: 12/5/2014

- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx

- ; SEMCAD X Version 14.6.10 (7331)

**Configuration/Bottom of EUT Facing Phantom - Low/Area Scan (81x121x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.768 W/kg

**Configuration/Bottom of EUT Facing Phantom - Low/Zoom Scan (7x7x7) (7x8x7)/Cube 0:** Measurement

grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.309 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 2.22 W/kg

**SAR(1 g) = 0.709 W/kg; SAR(10 g) = 0.226 W/kg**

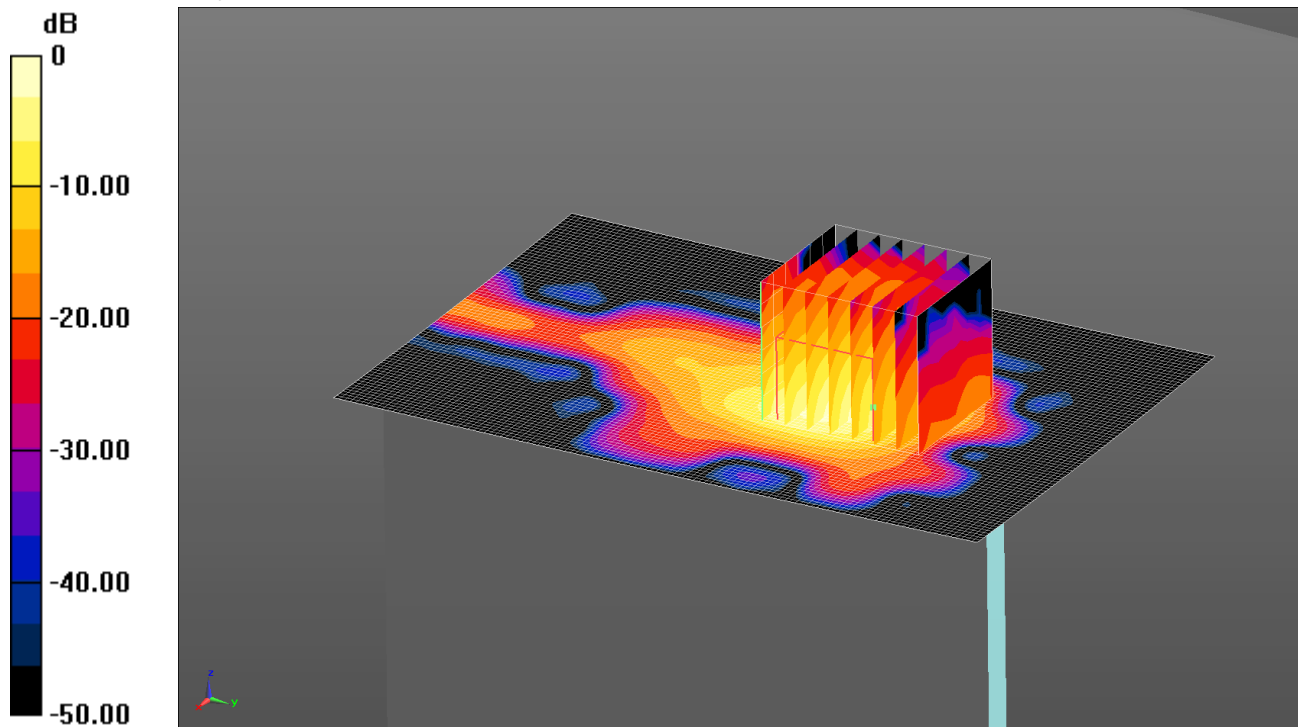
Maximum value of SAR (measured) = 0.949 W/kg



056: Bottom Of EUT Facing Phantom WiFi 802.11b 1Mbps Antenna 1 CH11

Date: 23/7/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.909 W/kg = -0.41 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: 2450 MSL Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.936$  S/m;  $\epsilon_r = 50.816$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3814; ConvF(7.01, 7.01, 7.01); Calibrated: 24/9/2013;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1438; Calibrated: 12/5/2014
- Phantom: ELI v5.0 (30deg probe tilt); Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

**Configuration/Bottom of EUT Facing Phantom - High/Area Scan (81x121x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.909 W/kg

**Configuration/Bottom of EUT Facing Phantom - High/Zoom Scan (7x7x7) (7x8x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.857 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 2.51 W/kg

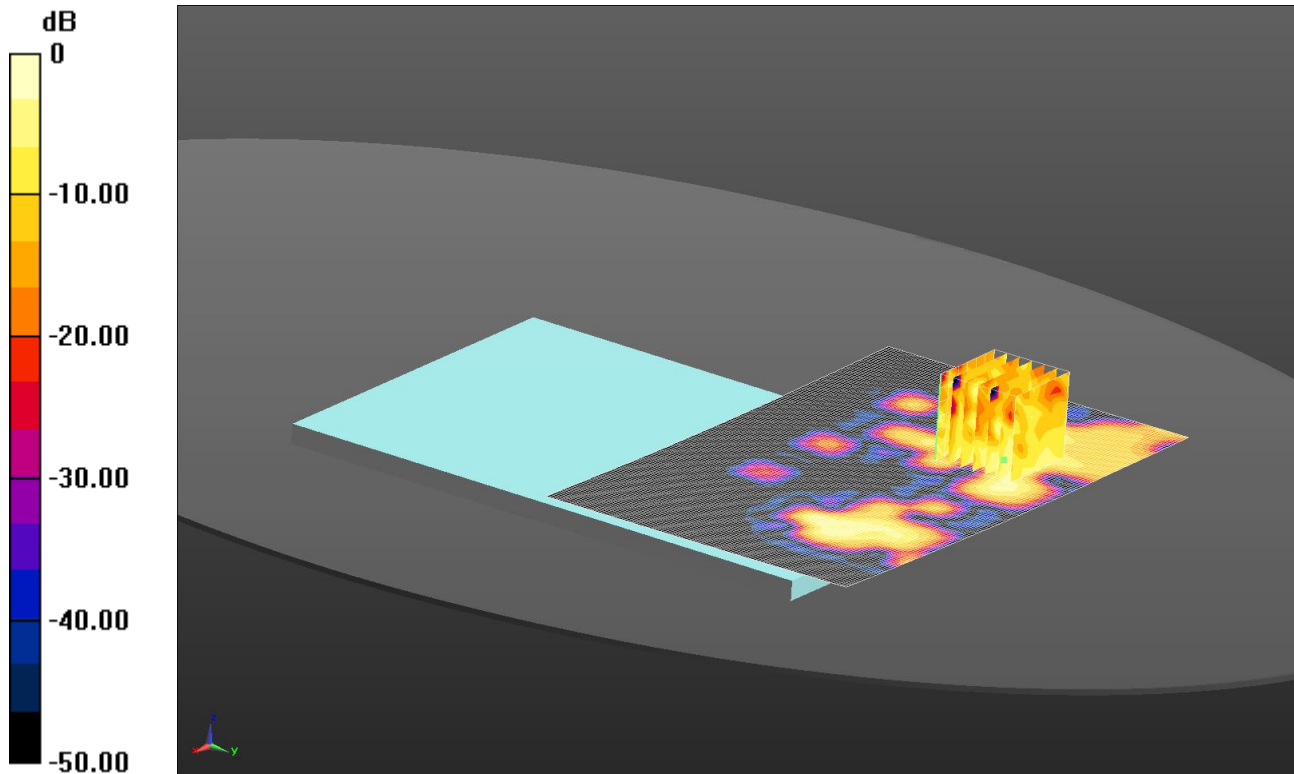
**SAR(1 g) = 0.823 W/kg; SAR(10 g) = 0.266 W/kg**

Maximum value of SAR (measured) = 1.08 W/kg

057: Back Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps Antenna 1 CH6

Date: 24/07/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.144 W/kg = -8.41 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: 2450MHz MSL Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 2.006$  S/m;  $\epsilon_r = 53.351$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(7.39, 7.39, 7.39); Calibrated: 07/05/2014;

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn431; Calibrated: 18/11/2013

- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

- ; SEMCAD X Version 14.6.10 (7164)

**Configuration/Back of EUT Facing Phantom - Middle 2 2/Area Scan (161x101x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

Maximum value of SAR (interpolated) = 0.144 W/kg

**Configuration/Back of EUT Facing Phantom - Middle 2 2/Zoom Scan (7x7x7) 2 (7x7x7)/Cube 0:**Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 4.111 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.244 W/kg

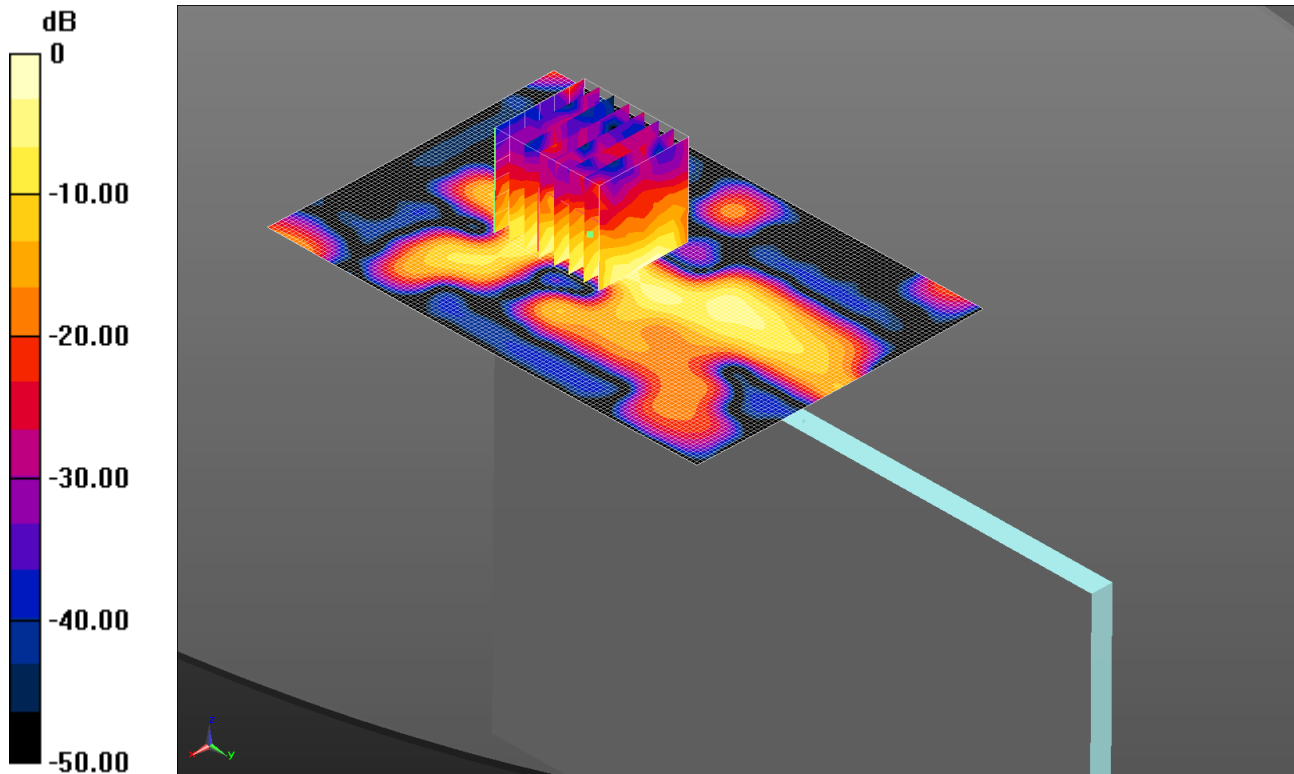
**SAR(1 g) = 0.035 W/kg; SAR(10 g) = 0.013 W/kg**

Maximum value of SAR (measured) = 0.0873 W/kg

058: Left Hand Side Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps Antenna 1 CH6

Date: 24/07/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.348 W/kg = -4.59 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: 2450MHz MSL Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 2.006$  S/m;  $\epsilon_r = 53.351$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(7.39, 7.39, 7.39); Calibrated: 07/05/2014;

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn431; Calibrated: 18/11/2013

- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

- ; SEMCAD X Version 14.6.10 (7164)

**Configuration/Left Hand Side of EUT Facing Phantom - Middle 2/Area Scan (81x121x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.348 W/kg

**Configuration/Left Hand Side of EUT Facing Phantom - Middle 2/Zoom Scan (7x7x7) (7x8x7)/Cube 0:**

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.042 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.392 W/kg

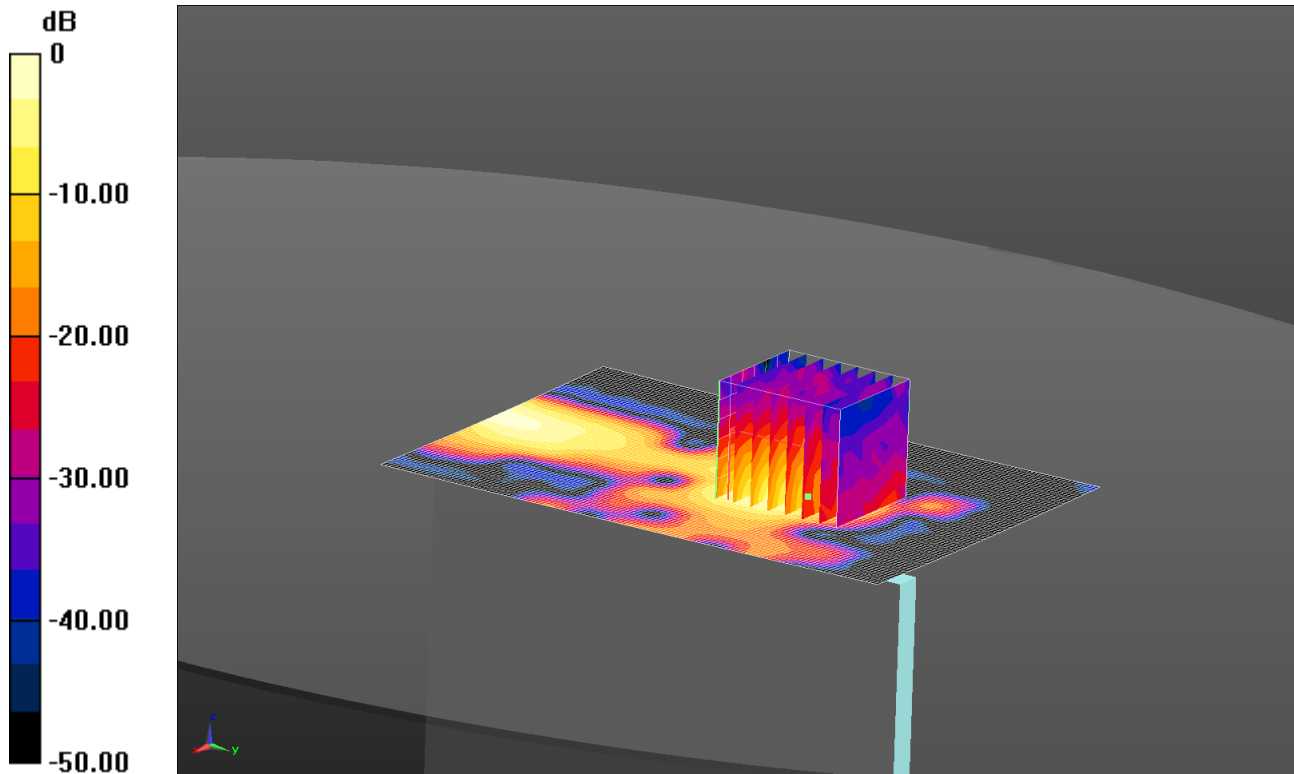
**SAR(1 g) = 0.144 W/kg; SAR(10 g) = 0.071 W/kg**

Maximum value of SAR (measured) = 0.164 W/kg

059: Bottom Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps Antenna 1 CH6

Date: 24/07/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 1.02 W/kg = 0.08 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: 2450MHz MSL Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 2.006$  S/m;  $\epsilon_r = 53.351$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(7.39, 7.39, 7.39); Calibrated: 07/05/2014;

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn431; Calibrated: 18/11/2013

- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

- ; SEMCAD X Version 14.6.10 (7164)

**Configuration/Bottom of EUT Facing Phantom - Middle/Area Scan (81x121x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

Maximum value of SAR (interpolated) = 1.02 W/kg

**Configuration/Bottom of EUT Facing Phantom - Middle/Zoom Scan (7x7x7) (7x8x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 7.538 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.69 W/kg

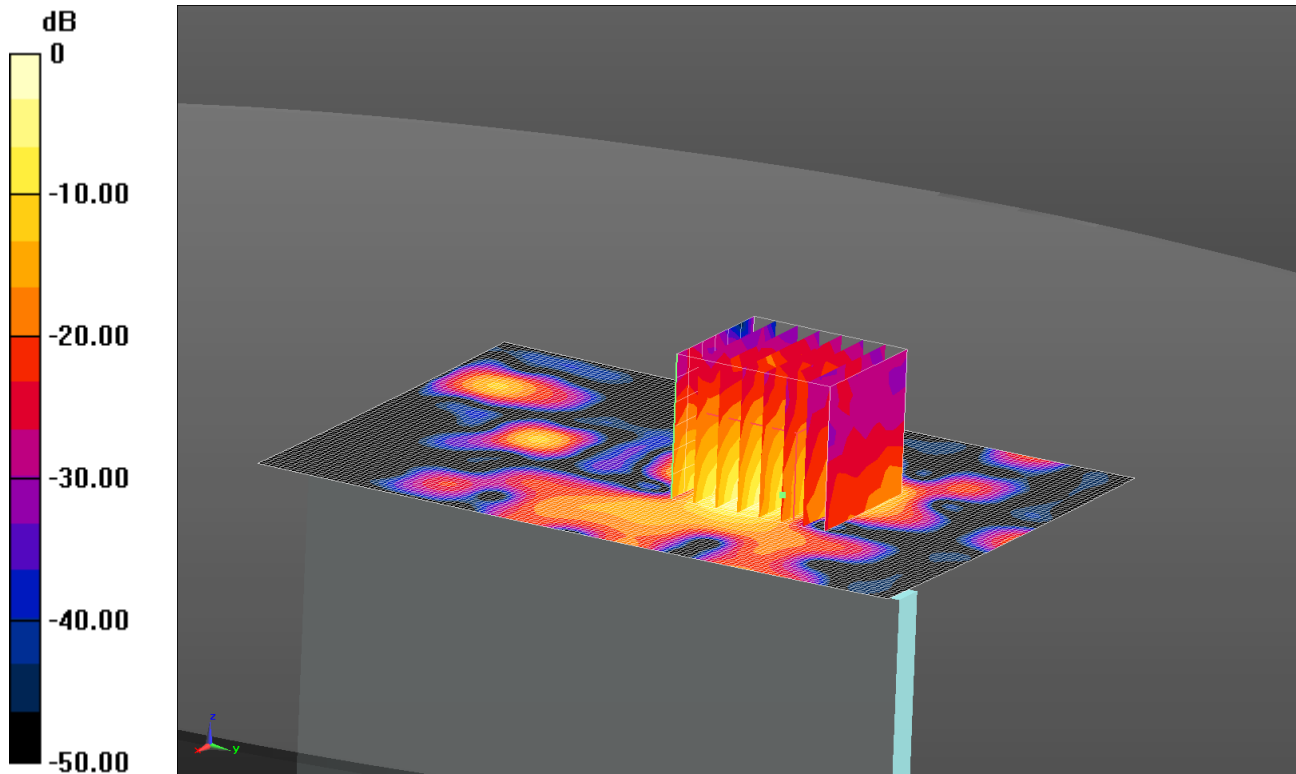
**SAR(1 g) = 0.900 W/kg; SAR(10 g) = 0.300 W/kg**

Maximum value of SAR (measured) = 1.19 W/kg

060: Bottom Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps Antenna 1 CH1

Date: 24/07/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.721 W/kg = -1.42 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: 2450MHz MSL Medium parameters used (interpolated):  $f = 2412$  MHz;  $\sigma = 1.978$  S/m;  $\epsilon_r = 53.416$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(7.39, 7.39, 7.39); Calibrated: 07/05/2014;

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn431; Calibrated: 18/11/2013

- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

- ; SEMCAD X Version 14.6.10 (7164)

**Configuration/Bottom of EUT Facing Phantom - Middle/Area Scan (81x121x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.721 W/kg

**Configuration/Bottom of EUT Facing Phantom - Middle/Zoom Scan (7x7x7) (7x8x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.388 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.70 W/kg

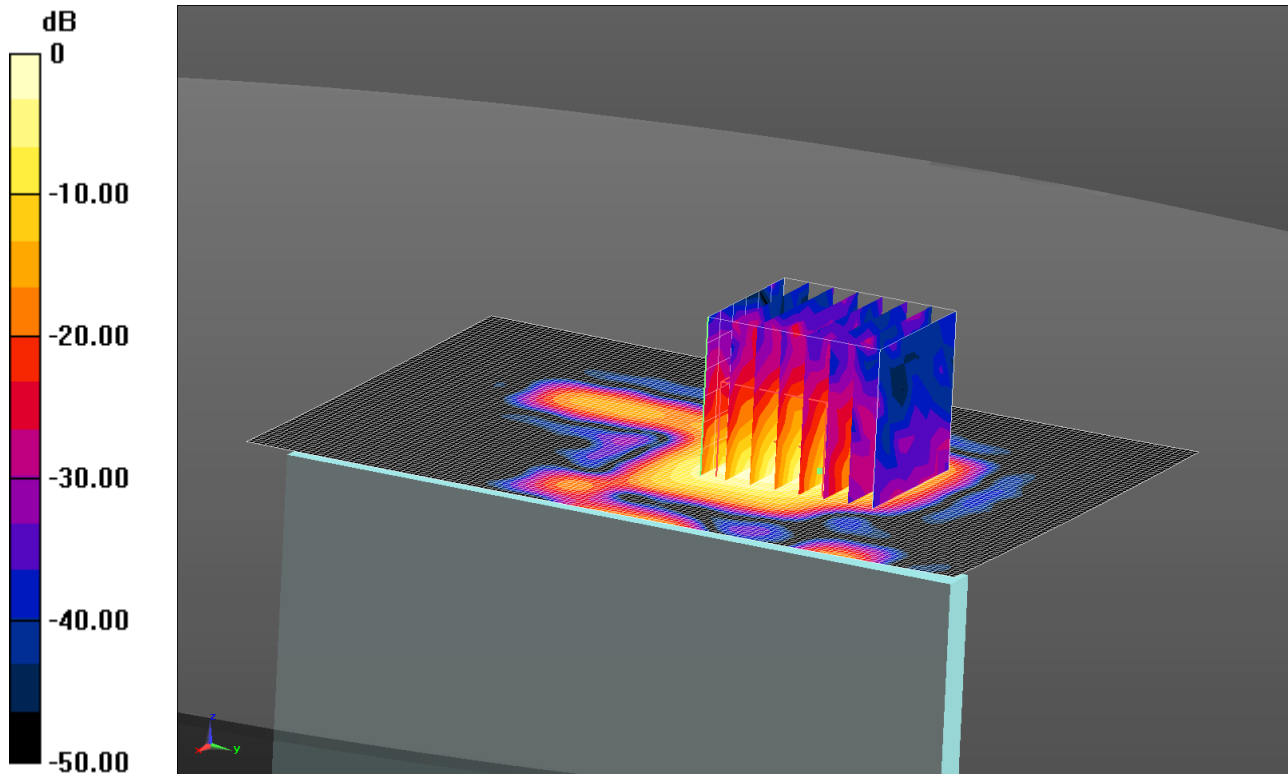
**SAR(1 g) = 0.578 W/kg; SAR(10 g) = 0.191 W/kg**

Maximum value of SAR (measured) = 0.767 W/kg

061: Bottom Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps Antenna 1 CH11

Date: 24/07/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.547 W/kg = -2.62 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: 2450MHz MSL Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 2.034$  S/m;  $\epsilon_r = 53.278$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(7.39, 7.39, 7.39); Calibrated: 07/05/2014;

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn431; Calibrated: 18/11/2013

- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

- ; SEMCAD X Version 14.6.10 (7164)

**Configuration/Bottom of EUT Facing Phantom - Middle/Area Scan (81x121x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

Maximum value of SAR (interpolated) = 0.547 W/kg

**Configuration/Bottom of EUT Facing Phantom - Middle/Zoom Scan (7x7x7) (7x8x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 4.634 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.66 W/kg

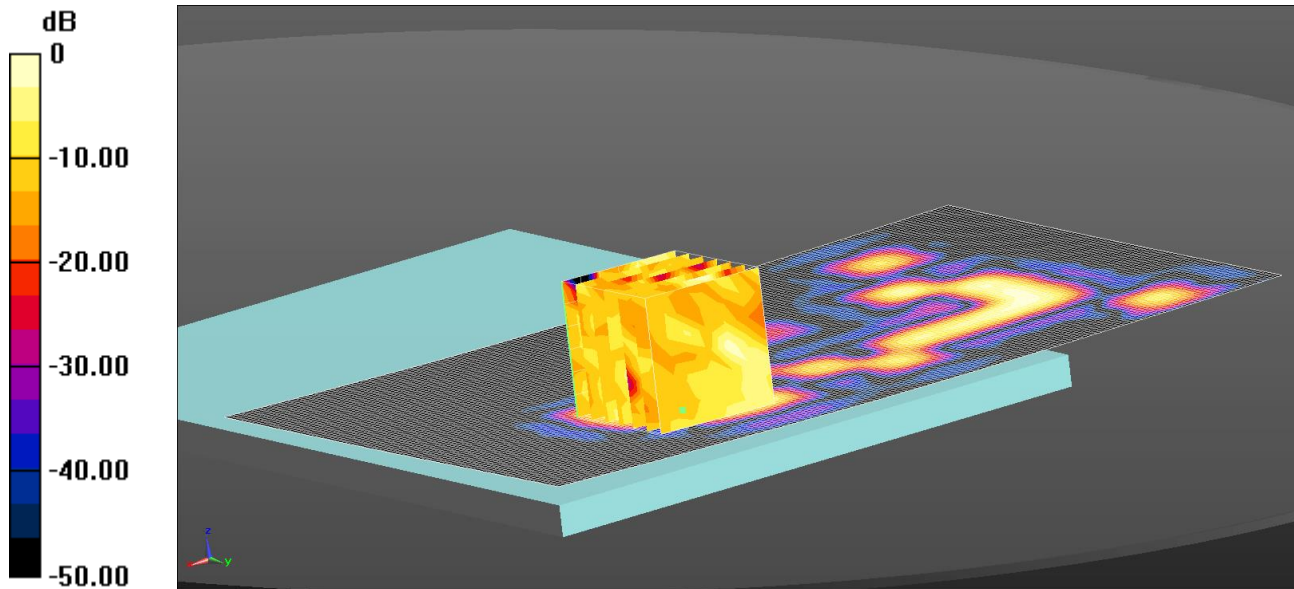
**SAR(1 g) = 0.570 W/kg; SAR(10 g) = 0.191 W/kg**

Maximum value of SAR (measured) = 0.720 W/kg

062: Back Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps MIMO Antennas 1+2 CH6

Date: 24/07/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.0669 W/kg = -11.75 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: 2450MHz MSL Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 2.006$  S/m;  $\epsilon_r = 53.351$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(7.39, 7.39, 7.39); Calibrated: 07/05/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 18/11/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7164)

**Configuration/Back of EUT Facing Phantom - Middle 2 2/Area Scan (161x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0669 W/kg

**Configuration/Back of EUT Facing Phantom - Middle 2 2/Zoom Scan (7x7x7) 2 (7x7x7)/Cube 0:**

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.416 V/m; Power Drift = 1.92 dB

Peak SAR (extrapolated) = 0.132 W/kg

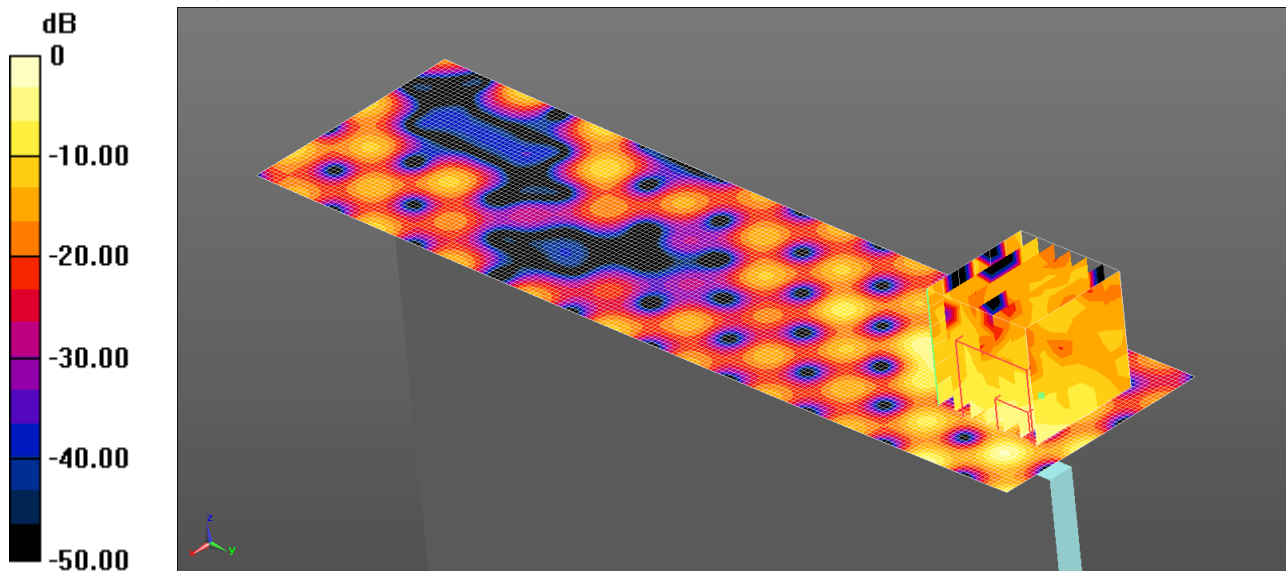
**SAR(1 g) = 0.037 W/kg; SAR(10 g) = 0.011 W/kg**

Maximum value of SAR (measured) = 0.0657 W/kg

063: Right Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps MIMO Antennas 1+2 CH6

Date: 24/07/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.0465 W/kg = -13.32 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: 2450MHz MSL Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 2.006$  S/m;  $\epsilon_r = 53.351$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(7.39, 7.39, 7.39); Calibrated: 07/05/2014;

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn431; Calibrated: 18/11/2013

- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

- ; SEMCAD X Version 14.6.10 (7164)

**Configuration/Right of EUT Facing Phantom - Middle 2 2/Area Scan (51x191x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0465 W/kg

**Configuration/Right of EUT Facing Phantom - Middle 2 2/Zoom Scan (7x7x7) 2 (7x7x7)/Cube 0:**

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.503 V/m; Power Drift = 1.92 dB

Peak SAR (extrapolated) = 0.0510 W/kg

**SAR(1 g) = 0.014 W/kg; SAR(10 g) = 0.00413 W/kg**

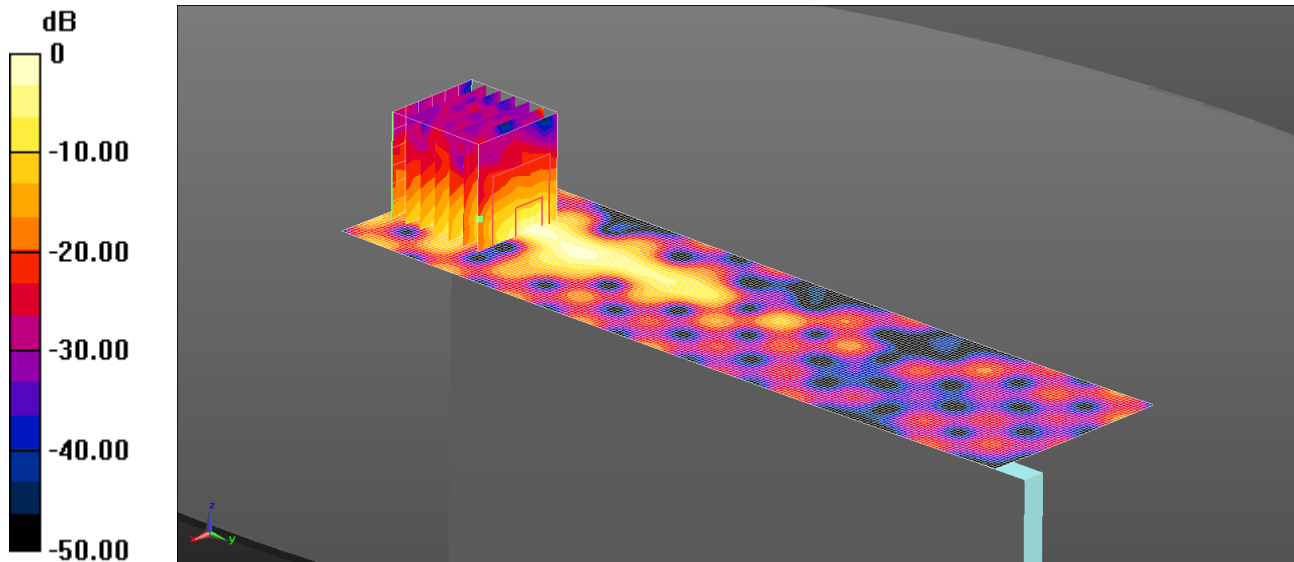
Maximum value of SAR (measured) = 0.0733 W/kg



064: Left Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps MIMO Antennas 1+2 CH6

Date: 24/07/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.303 W/kg = -5.18 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: 2450MHz MSL Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 2.006$  S/m;  $\epsilon_r = 53.351$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(7.39, 7.39, 7.39); Calibrated: 07/05/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 18/11/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7164)

**Configuration/Left of EUT Facing Phantom - Middle 2 2/Area Scan (51x191x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.303 W/kg

**Configuration/Left of EUT Facing Phantom - Middle 2 2/Zoom Scan (7x7x7) 2 (7x7x7)/Cube 0:**

Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.961 V/m; Power Drift = -0.50 dB

Peak SAR (extrapolated) = 0.348 W/kg

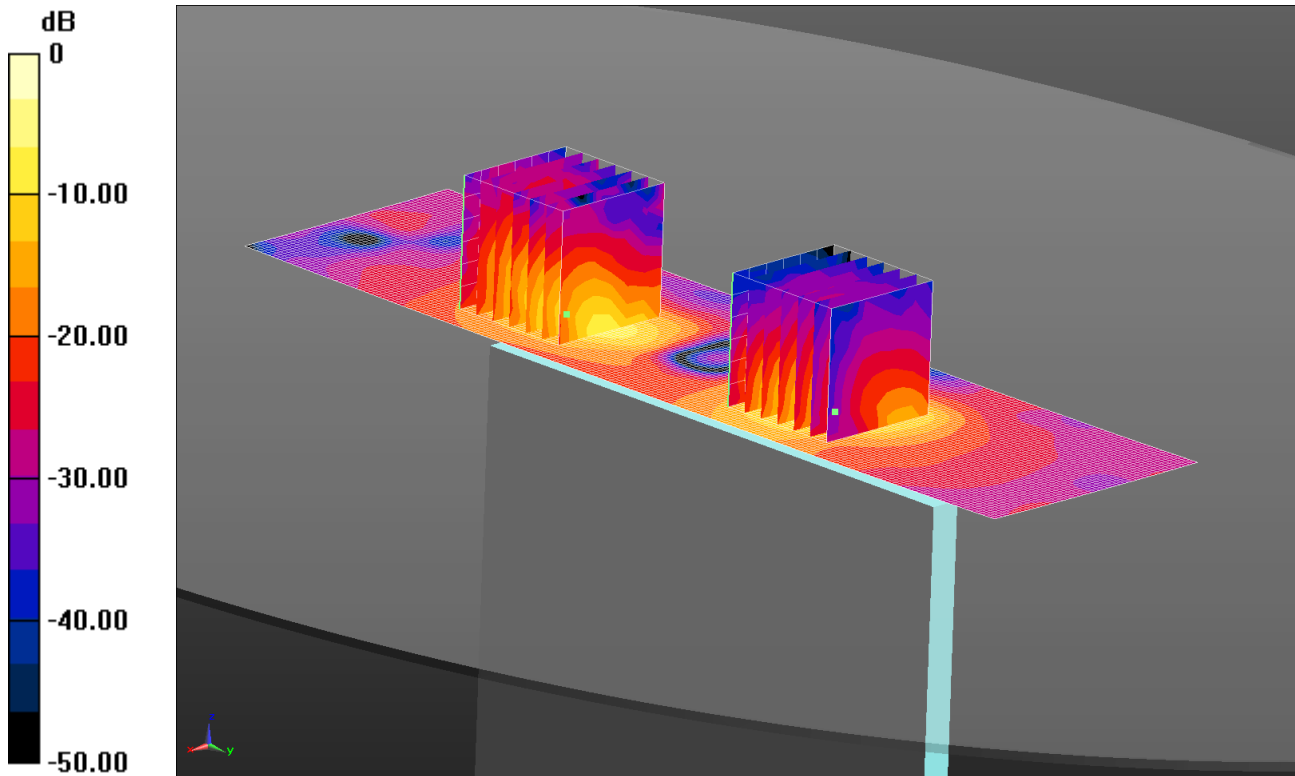
**SAR(1 g) = 0.129 W/kg; SAR(10 g) = 0.056 W/kg**

Maximum value of SAR (measured) = 0.215 W/kg

065: Bottom Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps MIMO Antennas 1+2 CH6

Date: 25/07/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 1.92 W/kg = 2.83 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: 2450MHz MSL Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 2.006$  S/m;  $\epsilon_r = 53.351$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(7.39, 7.39, 7.39); Calibrated: 07/05/2014;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 18/11/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7164)

**Configuration/Worse Case Repeat Bottom of EUT Facing Phantom - Middle 2 2 /Area Scan (51x191x1):**

Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

Maximum value of SAR (interpolated) = 1.92 W/kg

**Configuration/Worse Case Repeat Bottom of EUT Facing Phantom - Middle 2 2 /Zoom Scan (7x7x7) 2**

**(7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 17.705 V/m; Power Drift = 0.46 dB

Peak SAR (extrapolated) = 3.00 W/kg

**SAR(1 g) = 0.965 W/kg; SAR(10 g) = 0.308 W/kg**

Maximum value of SAR (measured) = 1.76 W/kg

**Configuration/Worse Case Repeat Bottom of EUT Facing Phantom - Middle 2 2 /Zoom Scan (7x7x7) 2**

**(7x7x7)/Cube 1:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 17.705 V/m; Power Drift = 0.46 dB

Peak SAR (extrapolated) = 2.00 W/kg

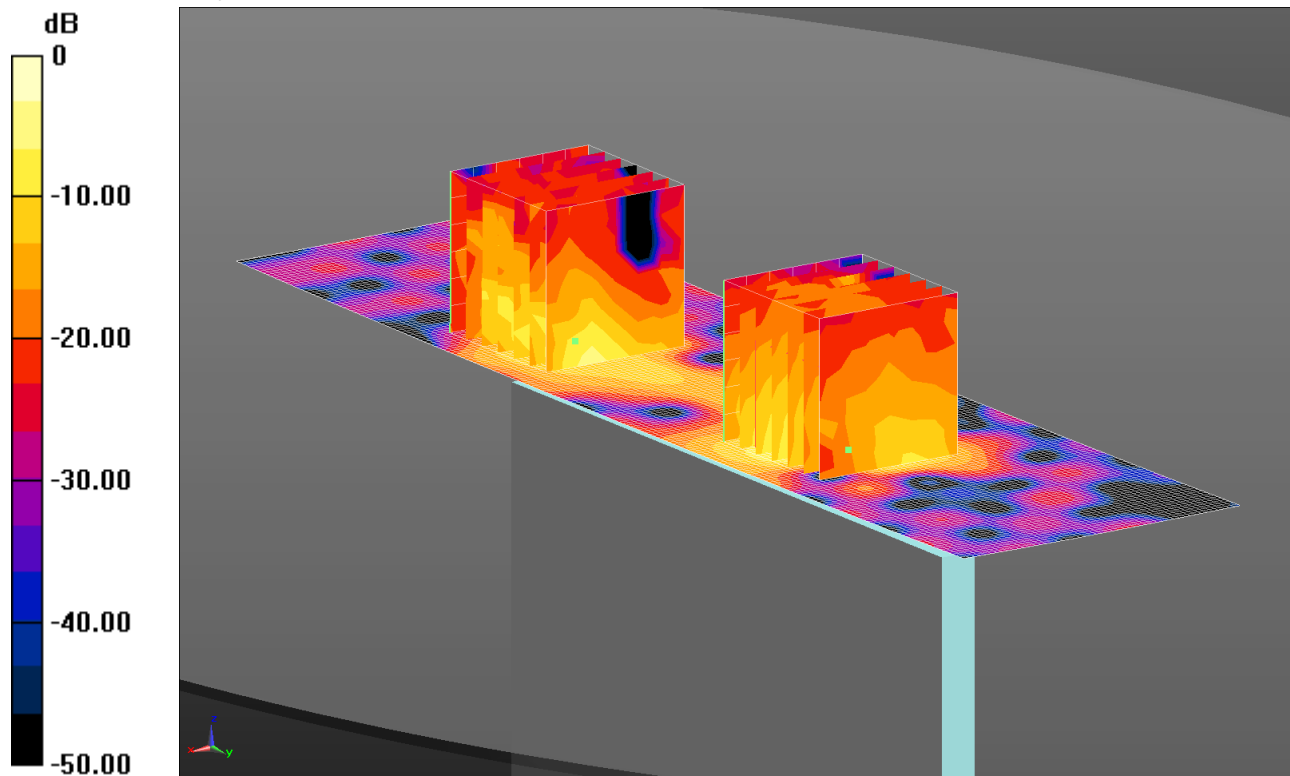
**SAR(1 g) = 0.683 W/kg; SAR(10 g) = 0.192 W/kg**

Maximum value of SAR (measured) = 1.28 W/kg

066: Bottom Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps MIMO Antennas 1+2 CH1

Date: 25/07/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.831 W/kg = -0.80 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: 2450MHz MSL Medium parameters used (interpolated):  $f = 2412$  MHz;  $\sigma = 1.978$  S/m;  $\epsilon_r = 53.416$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(7.39, 7.39, 7.39); Calibrated: 07/05/2014;

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn431; Calibrated: 18/11/2013

- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

- ; SEMCAD X Version 14.6.10 (7164) **Configuration/Bottom of EUT Facing Phantom - Low/Area Scan**

**(51x191x1)**: Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.831 W/kg

**Configuration/Bottom of EUT Facing Phantom - Low/Zoom Scan (7x7x7) 2 (7x7x7)/Cube 0**: Measurement

grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.427 V/m; Power Drift = 0.42 dB

Peak SAR (extrapolated) = 1.06 W/kg

**SAR(1 g) = 0.398 W/kg; SAR(10 g) = 0.128 W/kg**

Maximum value of SAR (measured) = 0.800 W/kg

**Configuration/Bottom of EUT Facing Phantom - Low/Zoom Scan (7x7x7) 2 (7x7x7)/Cube 1**: Measurement

grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.427 V/m; Power Drift = 0.42 dB

Peak SAR (extrapolated) = 1.79 W/kg

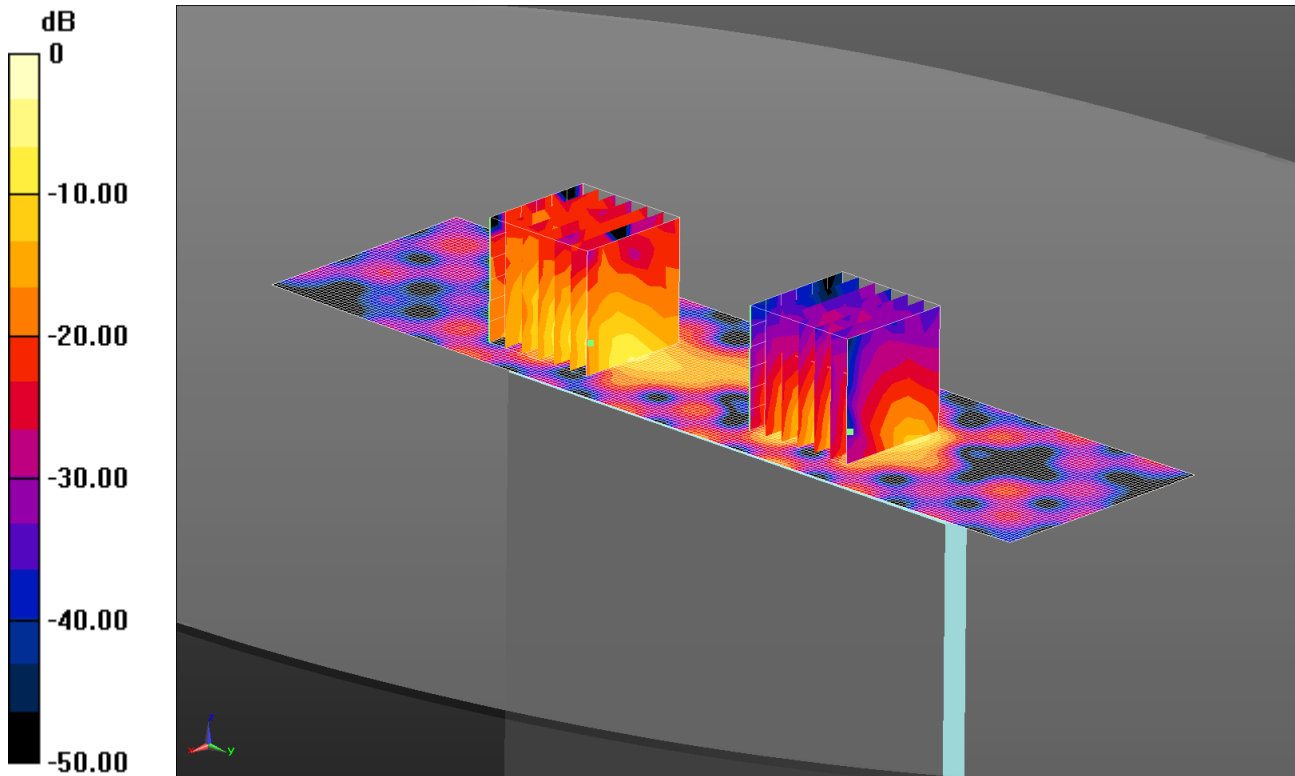
**SAR(1 g) = 0.382 W/kg; SAR(10 g) = 0.084 W/kg**

Maximum value of SAR (measured) = 0.701 W/kg

067: Bottom Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps MIMO Antennas 1+2 CH11

Date: 25/07/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 1.01 W/kg = 0.02 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: 2450MHz MSL Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 2.034$  S/m;  $\epsilon_r = 53.278$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(7.39, 7.39, 7.39); Calibrated: 07/05/2014;

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn431; Calibrated: 18/11/2013

- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

- ; SEMCAD X Version 14.6.10 (7164)

**Configuration/Bottom of EUT Facing Phantom - High/Area Scan (51x191x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.01 W/kg

**Configuration/Bottom of EUT Facing Phantom - High/Zoom Scan (7x7x7) 2 (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.432 V/m; Power Drift = 0.65 dB

Peak SAR (extrapolated) = 1.55 W/kg

**SAR(1 g) = 0.501 W/kg; SAR(10 g) = 0.159 W/kg**

Maximum value of SAR (measured) = 0.879 W/kg

**Configuration/Bottom of EUT Facing Phantom - High/Zoom Scan (7x7x7) 2 (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.432 V/m; Power Drift = 0.65 dB

Peak SAR (extrapolated) = 1.50 W/kg

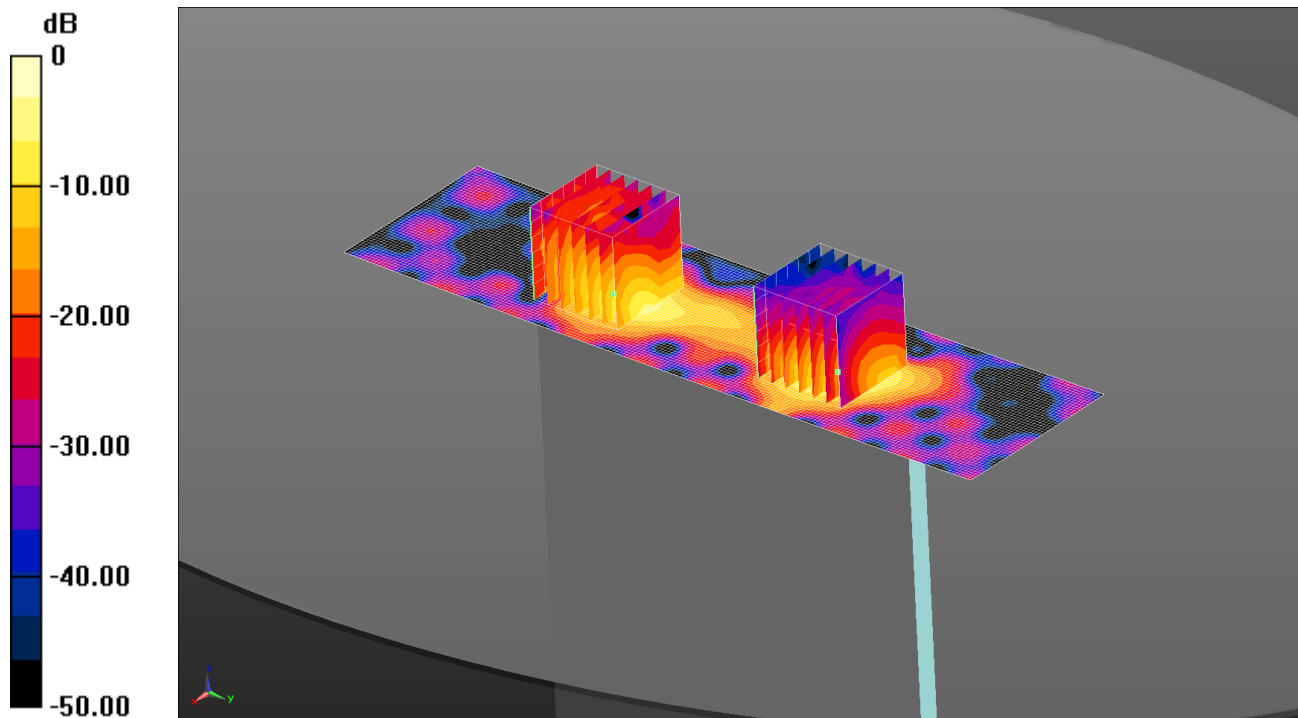
**SAR(1 g) = 0.325 W/kg; SAR(10 g) = 0.076 W/kg**

Maximum value of SAR (measured) = 0.565 W/kg

068: Bottom Of EUT Facing Phantom WiFi 802.11n HT20 6.5Mbps MIMO Antennas 1+2 CH6 Variant 2

Date: 25/07/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 1.64 W/kg = 2.14 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: 2450MHz MSL Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 2.006$  S/m;  $\epsilon_r = 53.351$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(7.39, 7.39, 7.39); Calibrated: 07/05/2014;

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn431; Calibrated: 18/11/2013

- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

- ; SEMCAD X Version 14.6.10 (7164)

Configuration/Bottom of EUT Facing Phantom - Middle 2 2/Area Scan (51x191x1): Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

Maximum value of SAR (interpolated) = 1.64 W/kg

Configuration/Bottom of EUT Facing Phantom - Middle 2 2/Zoom Scan (7x7x7) 2 (7x7x7)/Cube 0: Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 15.409 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 2.38 W/kg

SAR(1 g) = 0.823 W/kg; SAR(10 g) = 0.233 W/kg

Maximum value of SAR (measured) = 1.59 W/kg

Configuration/Bottom of EUT Facing Phantom - Middle 2 2/Zoom Scan (7x7x7) 2 (7x7x7)/Cube 1: Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 15.409 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 2.72 W/kg

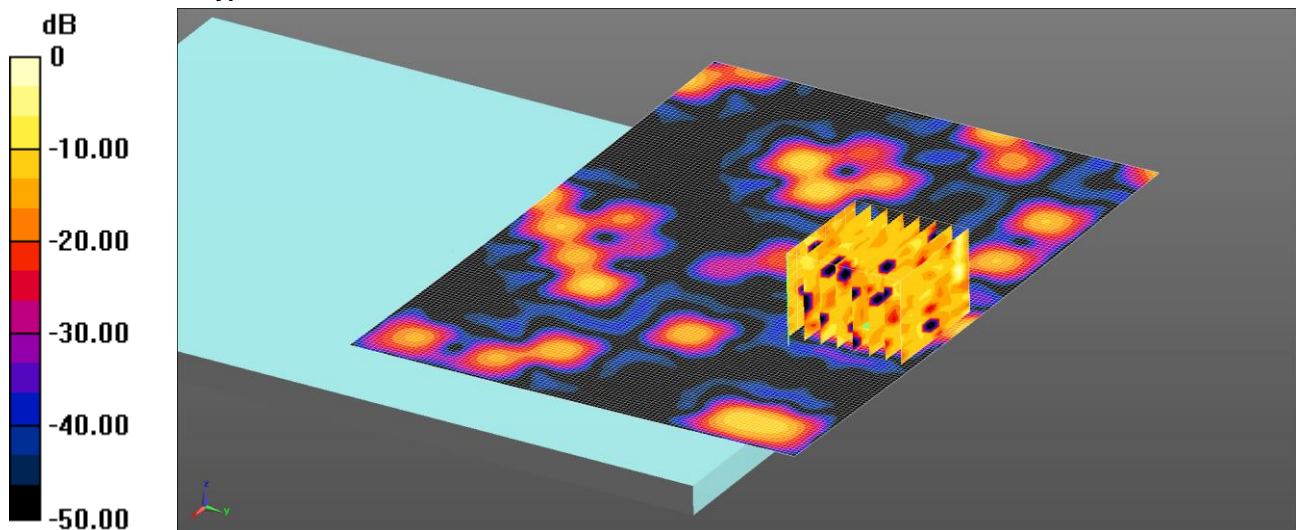
SAR(1 g) = 0.911 W/kg; SAR(10 g) = 0.296 W/kg

Maximum value of SAR (measured) = 1.74 W/kg

069: Back Of EUT Facing Phantom WiFi 802.11a Antenna 2 6 Mbps SISO CH48

Date: 20/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.224 W/kg = -6.50 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5240 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): f = 5240 MHz;  $\sigma = 5.443 \text{ S/m}$ ;  $\epsilon_r = 48.511$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.95, 4.95, 4.95); Calibrated: 07/05/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 18/11/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7164)

**Configuration/Back of EUT Facing Phantom - High/Area Scan (151x111x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.347 W/kg

**Configuration/Back of EUT Facing Phantom - High/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (8x8x12)/Cube 0:**

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 2.840 V/m; Power Drift = 3.58 dB

Peak SAR (extrapolated) = 0.141 W/kg

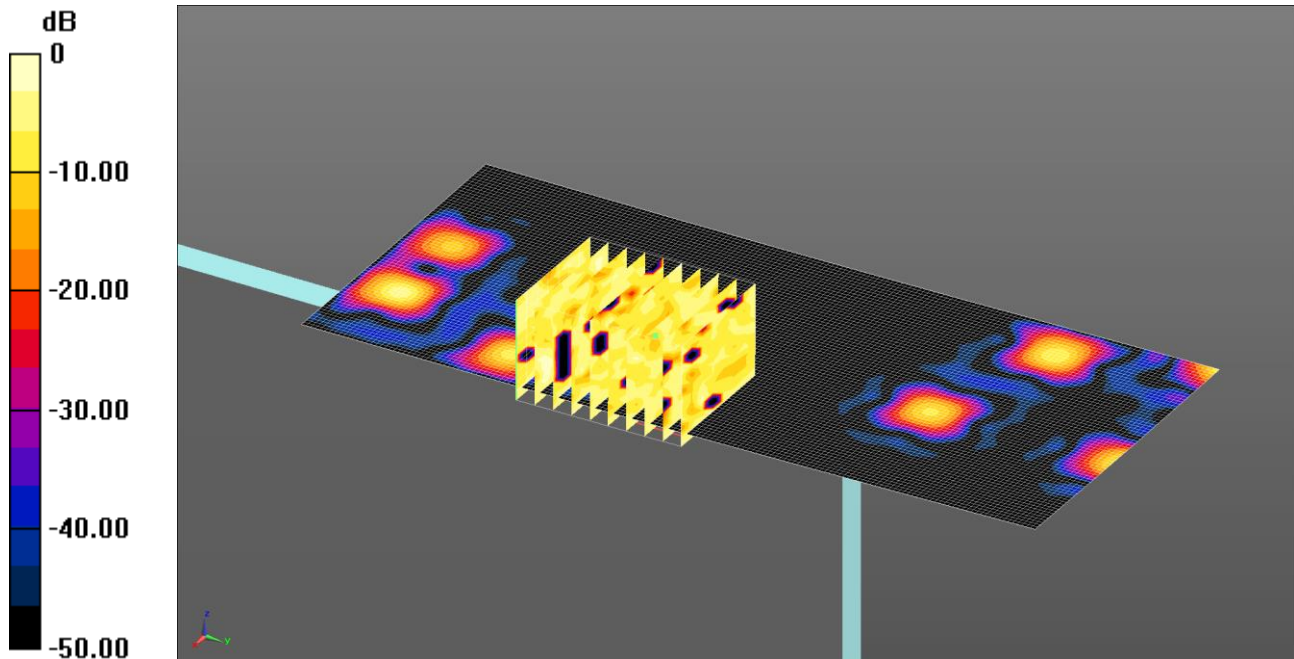
**SAR(1 g) = 0.00438 W/kg**

Maximum value of SAR (measured) = 0.224 W/kg

070: Right Hand Side Of EUT Facing Phantom WiFi 802.11a Antenna 2 6 Mbps SISO CH48

Date: 20/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.0586 W/kg = -12.32 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5240 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated):  $f = 5240$  MHz;  $\sigma = 5.443$  S/m;  $\epsilon_r = 48.511$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.95, 4.95, 4.95); Calibrated: 07/05/2014;

- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn431; Calibrated: 18/11/2013

- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

- ; SEMCAD X Version 14.6.10 (7164)

**Configuration/Right Hand Side of EUT Facing Phantom - Low 2/Area Scan (71x161x1):** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0487 W/kg

**Configuration/Right Hand Side of EUT Facing Phantom - Low 2/Zoom Scan (5-6 GHz) (7x7x12) 2 2****(8x10x12)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.378 V/m; Power Drift = -1.07 dB

Peak SAR (extrapolated) = 0.0830 W/kg

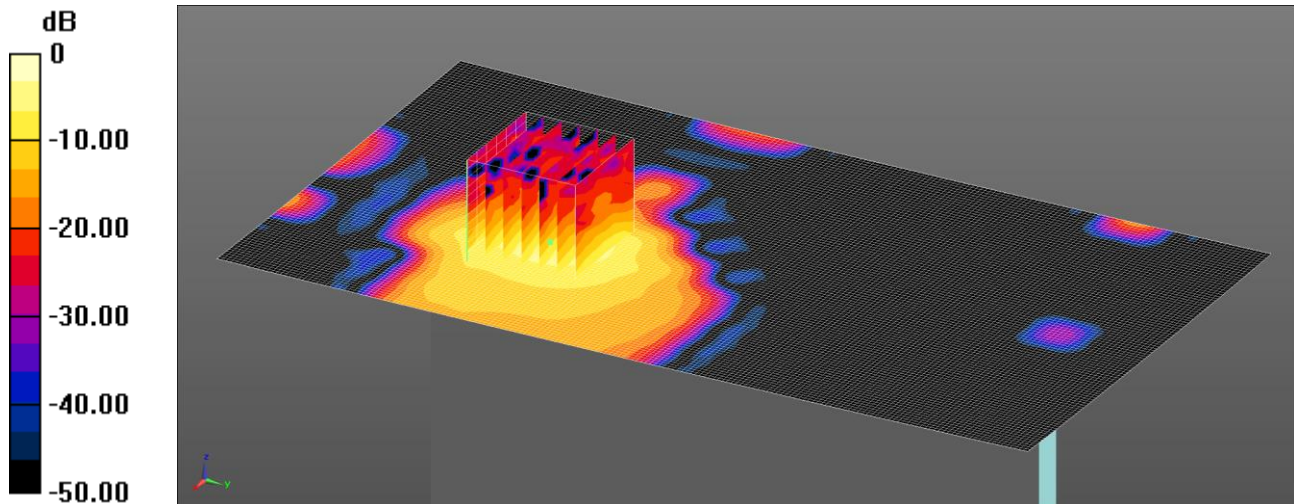
**SAR(1 g) = 0.00911 W/kg**

Maximum value of SAR (measured) = 0.0586 W/kg

071: Bottom Of EUT Facing Phantom WiFi 802.11a Antenna 2 6 Mbps SISO CH48

Date: 21/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.954 W/kg = -0.20 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5240 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated):  $f = 5240$  MHz;  $\sigma = 5.349$  S/m;  $\epsilon_r = 48.127$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.95, 4.95, 4.95); Calibrated: 07/05/2014;

- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn431; Calibrated: 18/11/2013

- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx

- ; SEMCAD X Version 14.6.10 (7164)

**Configuration/Bottom of EUT Facing Phantom- Middle 2/Area Scan (101x181x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.473 W/kg

**Configuration/Bottom of EUT Facing Phantom- Middle 2/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (7x7x12)/Cube****0:** Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 7.594 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.45 W/kg

**SAR(1 g) = 0.479 W/kg**

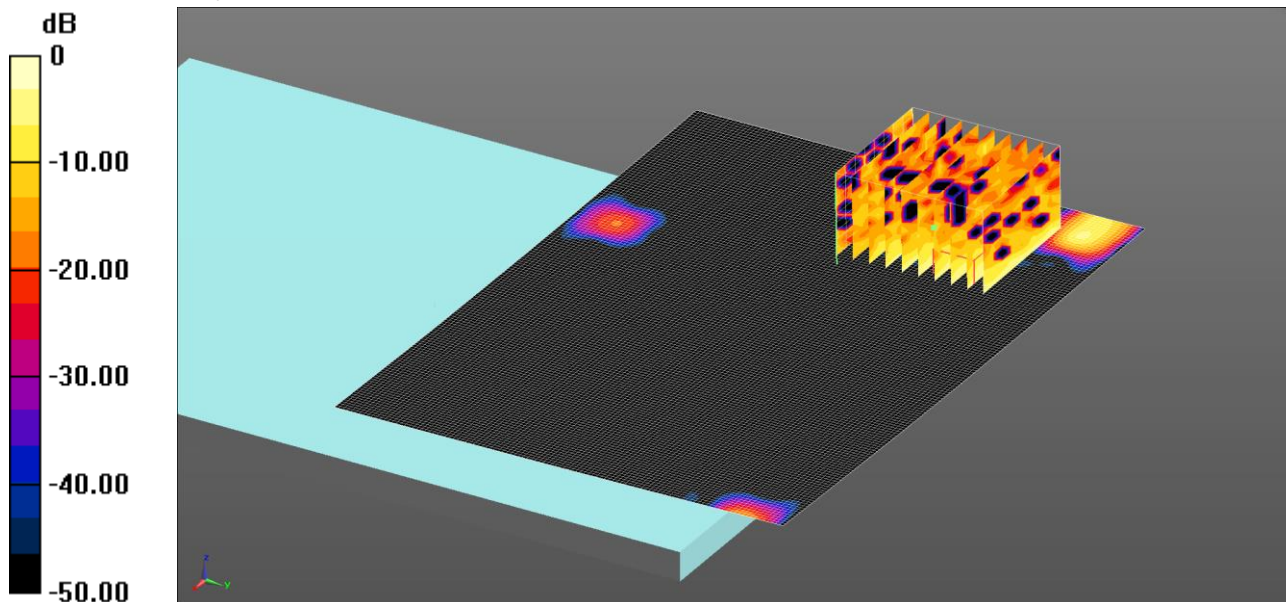
Maximum value of SAR (measured) = 0.954 W/kg



072: Back Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1 6 Mbps SISO CH48

Date: 21/08/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.0902 W/kg = -10.45 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5240 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated): f = 5240 MHz;  $\sigma = 5.349 \text{ S/m}$ ;  $\epsilon_r = 48.127$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.95, 4.95, 4.95); Calibrated: 07/05/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 18/11/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7164)

**Configuration/Back of EUT Facing Phantom - High/Area Scan (151x111x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0272 W/kg

**Configuration/Back of EUT Facing Phantom - High/Zoom Scan (5-6 GHz) (7x7x12) 2 2 (9x10x12)/Cube 0:**

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.377 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.177 W/kg

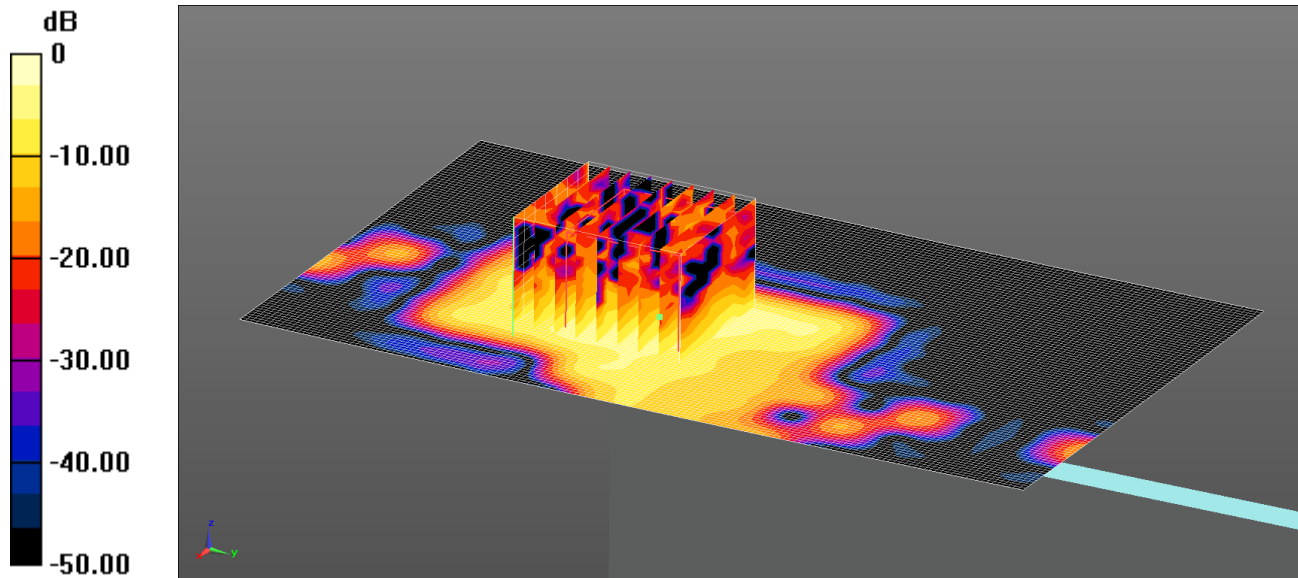
**SAR(1 g) = 0.046 W/kg**

Maximum value of SAR (measured) = 0.0902 W/kg

073: Left Hand Side Of EUT Facing Phantom WiFi 802.11n HT20 Antenna 1 6 Mbps SISO CH48

Date: 21/8/2014

DUT: A1601; Type: FCC ID: BCGA1601



0 dB = 0.270 W/kg = -5.69 dBW/kg

Communication System: UID 0, WLAN 802.11 (0); Frequency: 5240 MHz; Duty Cycle: 1:1

Medium: 5200/5500/5800 MHz MSL Medium parameters used (interpolated):  $f = 5240$  MHz;  $\sigma = 5.349$  S/m;  $\epsilon_r = 48.127$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3994; ConvF(4.95, 4.95, 4.95); Calibrated: 7/5/2014;
- Sensor-Surface: 4mm (Mechanical Surface Detection), Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn431; Calibrated: 18/11/2013
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- ; SEMCAD X Version 14.6.10 (7331)

**Configuration/Left of EUT Facing Phantom/Area Scan 3 2 (91x151x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.150 W/kg

**Configuration/Left of EUT Facing Phantom/Zoom Scan (5-6 GHz) (7x7x12) 2 (8x9x12)/Cube 0:**

Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 5.228 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.656 W/kg

**SAR(1 g) = 0.144 W/kg; SAR(10 g) = 0.050 W/kg**

Maximum value of SAR (measured) = 0.270 W/kg