

# PY7-95324M SAR Characterization

## 1. DSI and SAR Determination

This device uses different Device State Index (DSI) to configure different time averaged power levels based on certain exposure scenarios. Depending on the detection scheme implemented in the smartphone, the worst-case SAR was determined by measurements for the relevant exposure conditions for that DSI.

When 1g SAR and 10g SAR exposure comparison is needed, the worst-case was determined from SAR normalized to 1g or 10g SAR limit.

The device state index (DSI) conditions used in the following table represent different exposure scenarios.

**DSI and Corresponding Exposure Scenarios**

Scenario	Description	SAR Test Cases
Head (DSI = 2)	<ul style="list-style-type: none"> <li>- Device positioned next to head and a sensor is triggered.</li> <li>- Ear speaker is activated.</li> </ul>	Head SAR per KDB Publication 648474 D04 and KDB Inquiry.
Body-Worn (DSI = 3)	<ul style="list-style-type: none"> <li>- Device being used with a body-worn accessory and a sensor is triggered.</li> <li>- Ear speaker is not activated.</li> </ul>	Body-worn SAR per KDB Publication 648474 D04 and KDB Inquiry.
Phablet Grip (DSI = 3)	<ul style="list-style-type: none"> <li>- Device being used with a body-worn accessory and a sensor is triggered.</li> <li>- Ear speaker is not activated.</li> </ul>	Body-worn SAR per KDB Publication 648474 D04 and KDB Inquiry.
Hotspot (DSI = 3)	<ul style="list-style-type: none"> <li>- Device transmits in hotspot mode near body.</li> <li>- Hotspot Mode Active</li> </ul>	Hotspot SAR per KDB Publication 941225 D06.

## 2. SAR Design Target

SAR\_design\_target is determined by ensuring that it is less than FCC SAR limit after according for total device designed related uncertainties specified by the manufacturer.

SAR_design_target			
$SAR\_design\_target < SAR\_regulatory\_limit \times 10^{\frac{-Total\ Uncertainty}{10}}$			
1g SAR (W/kg)		10g SAR (W/kg)	
Total_Uncertainty	1.0 dB	Total_Uncertainty	1.0 dB
SAR_regulatory_limit	1.6 W/kg	SAR_regulatory_limit	4.0 W/kg
<b>SAR_design_target</b>	<b>1.0 W/kg</b>	<b>SAR_design_target</b>	<b>2.5 W/kg</b>

### 3. SAR Char

SAR test results corresponding to Pmax for each antenna, technology, band, DSI can be found in SAR test report. Plimit is calculated by linearly scaling with the measured SAR at the Pmax to correspond to the SAR\_design\_target. Plimit determination for each exposure scenario correspond to SAR\_design\_target are shown in the following table.

**Limit Determination**

<b>Device State Index (DSI)</b>	<b>Plimit Determination Scenarios</b>
2	Plimit is calculated based on Free Space (Max power) and following scenario: 1. 1g Head SAR
3	Plimit is calculated based on the following scenarios: 1. 1g Body-worn SAR measured at 10mm and 2. 1g Hotspot SAR measured at 10mm and 3. 10g Extremity SAR measured at 0mm six surfaces

The following tables shows the **P limit** for each antenna, technology and DSI. **P limit** is a burst average power that are described in the “PY7-95324M\_manufacturing tolerance”.

Measured Power: Output power when measuring “Measured 1g SAR” or “Measured 10g SAR”.

Measured 1g/10g SAR: Highest SAR value for each measurement condition.

**Calculated P limit** (dBm) Burst Average Power: Calculated from “Measured Power” scaled to SAR\_design\_target.

(1) Head (**DSI = 2**) : Power table #2 (Section 4.8 of the Theory of Operation)

Band	Antenna	Test Distance (mm)	Measured Power (dBm)	Measured 1g SAR (W/kg)	Calculated P limit (dBm) Burst Average Power	P limit (dBm) Burst Average Power	P max (dBm)
GSM 850	main	0	31.9	0.230	38.3	<b>32.5</b>	<b>32.5</b>
GSM 1900	main	0	27.6	0.044	41.1	<b>28.0</b>	<b>28.0</b>
UMTS II	main	0	19.0	0.089	29.4	<b>19.0</b>	<b>19.0</b>
UMTS IV	main	0	19.1	0.077	30.1	<b>19.0</b>	<b>19.0</b>
UMTS V	main	0	24.1	0.242	30.2	<b>24.0</b>	<b>24.0</b>
LTE B5	main	0	24.0	0.235	30.2	<b>24.0</b>	<b>24.0</b>
LTE B12	main	0	24.0	0.138	32.6	<b>24.0</b>	<b>24.0</b>
LTE B13	main	0	24.0	0.218	30.6	<b>24.0</b>	<b>24.0</b>
LTE B25/B2	main	0	24.0	0.084	34.7	<b>24.0</b>	<b>24.0</b>
LTE B41	main	0	24.0	0.001	54.0	<b>24.0</b>	<b>24.0</b>
LTE B48	main	0	24.0	0.047	37.2	<b>24.0</b>	<b>24.0</b>
LTE B66/B4	main	0	24.0	0.113	33.4	<b>24.0</b>	<b>24.0</b>
LTE B71	main	0	24.0	0.105	33.7	<b>24.0</b>	<b>24.0</b>
5G NR n2	main	0	24.0	0.001	54.0	<b>24.0</b>	<b>24.0</b>
5G NR n5	main	0	24.0	0.180	31.4	<b>24.0</b>	<b>24.0</b>
5G NR n41	Sub	0	22.0	1.468	20.3	<b>15.0</b>	<b>22.0</b>
5G NR n66	main	0	24.0	0.051	36.9	<b>24.0</b>	<b>24.0</b>
5G NR n71	main	0	24.0	0.048	37.1	<b>24.0</b>	<b>24.0</b>
5G NR n77	main	0	24.0	0.068	35.6	<b>18.0</b>	<b>24.0</b>

NOTE: This device doesn't support Smart Transmit Time Averaging for GSM and UMTS.

(2) Body-Worn, Hotspot (DSI = 3) : Power table #3 (Section 4.8 of the Theory of Operation)

Band	Antenna	Test Distance (mm)	Measured Power (dBm)	Measured 1g SAR (W/kg)	Calculated P limit (dBm) Burst Average Power	P limit (dBm) Burst Average Power	P max (dBm)
GSM 850	main	10	31.9	0.203	38.8	<b>32.5</b>	<b>32.5</b>
GSM 1900	main	10	22.7 (*)	0.300 (*)	27.9 (*)	<b>23.2 (*)</b>	<b>28.0</b>
UMTS II	main	10	19.0	0.401	22.9	<b>19.0</b>	<b>19.0</b>
UMTS IV	main	10	19.0	0.580	21.2	<b>19.0</b>	<b>19.0</b>
UMTS V	main	10	24.1	0.303	28.6	<b>24.0</b>	<b>24.0</b>
LTE B5	main	10	24.0	0.203	30.9	<b>22.0</b>	<b>24.0</b>
	sub	10	24.0	0.256	29.9	<b>21.0</b>	<b>23.0</b>
LTE B12	main	10	24.0	0.284	29.4	<b>24.0</b>	<b>24.0</b>
LTE B13	main	10	24.0	0.248	30.0	<b>22.0</b>	<b>24.0</b>
	sub	10	24.0	0.305	29.1	<b>21.0</b>	<b>23.0</b>
LTE B25/B2	main	10	24.0	1.200	23.2	<b>19.0</b>	<b>24.0</b>
LTE B41	main	10	24.0	0.705	25.5	<b>19.0</b>	<b>24.0</b>
LTE B48	main	10	24.0	0.975	24.1	<b>20.0</b>	<b>24.0</b>
LTE B66/B4	main	10	24.0	1.570	22.0	<b>19.0</b>	<b>24.0</b>
LTE B71	main	10	24.0	0.228	30.4	<b>24.0</b>	<b>24.0</b>
5G NR n2	main	10	24.0	0.188	31.2	<b>19.0</b>	<b>24.0</b>
5G NR n5	main	10	24.0	0.154	32.1	<b>23.0</b>	<b>24.0</b>
	sub	10	24.0	0.156	32.0	<b>22.0</b>	<b>23.0</b>
5G NR n41	Sub	10	22.0	0.546	24.6	<b>15.0</b>	<b>22.0</b>
5G NR n66	main	10	24.0	1.130	23.4	<b>19.0</b>	<b>24.0</b>
5G NR n71	main	10	24.0	0.135	32.6	<b>23.0</b>	<b>24.0</b>
5G NR n77	main	10	24.0	1.270	22.9	<b>18.0</b>	<b>24.0</b>

NOTE: This device doesn't support Smart Transmit Time Averaging for GSM and UMTS.

(\*) For GSM 1900, these data are DTM (Tx 3 slots) mode.

(3) Extremity (DSI = 3) : Power table #3 (Section 4.8 of the Theory of Operation)

Band	Antenna	Test Distance (mm)	Measured Power (dBm)	Measured 10g SAR (W/kg)	Calculated P limit (dBm) Burst Average Power	P limit (dBm) Burst Average Power	P max (dBm)
GSM 850	main	0	27.3 (*)	0.564 (*)	33.8 (*)	<b>27.7 (*)</b>	<b>32.5</b>
GSM 1900	main	0	22.7 (*)	0.737 (*)	28.0 (*)	<b>23.2 (*)</b>	<b>28.0</b>
UMTS II	main	0	19.0	1.100	22.5	<b>19.0</b>	<b>19.0</b>
UMTS IV	main	0	18.9	0.989	22.8	<b>19.0</b>	<b>19.0</b>
UMTS V	main	0	24.1	0.889	28.5	<b>24.0</b>	<b>24.0</b>
LTE B5	main	0	24.0	1.580	25.9	<b>22.0</b>	<b>24.0</b>
	sub	0	24.0	0.829	28.7	<b>21.0</b>	<b>23.0</b>
LTE B12	main	0	24.0	1.470	26.3	<b>24.0</b>	<b>24.0</b>
LTE B13	main	0	24.0	1.440	26.3	<b>22.0</b>	<b>24.0</b>
	sub	0	24.0	0.727	29.3	<b>21.0</b>	<b>23.0</b>
LTE B25/B2	main	0	24.0	2.590	23.8	<b>19.0</b>	<b>24.0</b>
LTE B41	main	0	24.0	2.100	24.7	<b>19.0</b>	<b>24.0</b>
LTE B48	main	0	24.0	4.350	21.5	<b>20.0</b>	<b>24.0</b>
LTE B66/B4	main	0	24.0	3.210	22.9	<b>19.0</b>	<b>24.0</b>
LTE B71	main	0	24.0	1.570	26.0	<b>24.0</b>	<b>24.0</b>
5G NR n2	main	0	24.0	1.060	27.7	<b>19.0</b>	<b>24.0</b>
5G NR n5	main	0	24.0	1.920	25.1	<b>23.0</b>	<b>24.0</b>
	sub	0	24.0	0.490	31.0	<b>22.0</b>	<b>23.0</b>
5G NR n41	Sub	0	22.0	1.719	23.6	<b>15.0</b>	<b>22.0</b>
5G NR n66	main	0	24.0	2.710	23.6	<b>19.0</b>	<b>24.0</b>
5G NR n71	main	0	24.0	1.540	26.1	<b>23.0</b>	<b>24.0</b>
5G NR n77	main	0	24.0	4.670	21.2	<b>18.0</b>	<b>24.0</b>

NOTE: This device doesn't support Smart Transmit Time Averaging for GSM and UMTS.

(\*) For GSM 850 and GSM 1900, these data are DTM (Tx 3 slots) mode.

## Appendix : SAR at Maximum Power

The purpose of this measurement is SAR characterizaion. Therefore, the output power of some measurement condition exceeds that of actual use.

### Cheek Left

RAT	Band	Channel	Distance [mm]	1g SAR	10g SAR	Scaled SAR 1g [W/kg]	Max Power [dBm]
LTE	2	18600	-	0.063	0.040	0.079	25.0
	2	18900	-	0.061	0.038	0.077	25.0
	2	19199	-	0.068	0.043	0.086	25.0
	4	19950	-	0.058	0.038	0.073	25.0
	4	20175	-	0.064	0.042	0.081	25.0
	4	20399	-	0.076	0.049	0.096	25.0
	5	20400	-	0.235	0.162	0.296	25.0
	5	20525	-	0.220	0.150	0.277	25.0
	5	20649	-	0.228	0.157	0.287	25.0
	12	23010	-	0.118	0.083	0.149	25.0
	12	23095	-	0.136	0.095	0.171	25.0
	12	23179	-	0.138	0.096	0.174	25.0
	13	23180	-	0.213	0.147	0.268	25.0
	13	23230	-	0.202	0.139	0.254	25.0
	13	23279	-	0.218	0.149	0.274	25.0
	25	26040	-	0.062	0.039	0.078	25.0
	25	26365	-	0.061	0.039	0.077	25.0
	25	26689	-	0.067	0.042	0.084	25.0
	41	39650	-	0.000	0.000	0.000	25.0
	41	40620	-	0.000	0.000	0.000	25.0
	41	41589	-	0.000	0.000	0.000	25.0
	48	55240	-	0.000	0.000	0.000	25.0
	48	55990	-	0.000	0.000	0.000	25.0
	48	56739	-	0.000	0.000	0.000	25.0
	66	131972	-	0.061	0.040	0.077	25.0
	66	132322	-	0.086	0.056	0.108	25.0
	66	132671	-	0.076	0.049	0.096	25.0
	71	133122	-	0.064	0.045	0.081	25.0
	71	133322	-	0.088	0.062	0.111	25.0
	71	133471	-	0.105	0.073	0.132	25.0
NR	n2	372000	-	0.000	0.000	0.000	25.0
	n2	376000	-	0.000	0.000	0.000	25.0
	n2	380000	-	0.000	0.000	0.000	25.0
	n5	166800	-	0.180	0.125	0.227	25.0
	n5	167300	-	0.085	0.059	0.107	25.0
	n5	167800	-	0.133	0.092	0.167	25.0
	n41 sub	509202	-	1.208	0.591	1.521	23.0
	n41 sub	518598	-	1.468	0.737	1.849	23.0
	n41 sub	528000	-	1.463	0.647	1.842	23.0
	n66	344000	-	0.000	0.000	0.000	25.0
	n66	349000	-	0.000	0.000	0.000	25.0
	n66	354000	-	0.000	0.000	0.000	25.0
	n71	134600	-	0.048	0.034	0.060	25.0
	n71	136100	-	0.046	0.032	0.058	25.0
	n71	137600	-	0.000	0.000	0.000	25.0
	n77	650000	-	0.045	0.022	0.057	25.0
	n77	656000	-	0.000	0.000	0.000	25.0
	n77	662000	-	0.041	0.017	0.052	25.0

Cheek Right

RAT	Band	Channel	Distance [mm]	1g SAR	10g SAR	Scaled SAR 1g [W/kg]	Max Power [dBm]
LTE	2	18600	-	0.075	0.046	0.094	25.0
	2	18900	-	0.070	0.043	0.088	25.0
	2	19199	-	0.084	0.051	0.106	25.0
	4	19950	-	0.113	0.069	0.142	25.0
	4	20175	-	0.082	0.051	0.103	25.0
	4	20399	-	0.097	0.060	0.122	25.0
	5	20400	-	0.160	0.113	0.201	25.0
	5	20525	-	0.160	0.113	0.201	25.0
	5	20649	-	0.165	0.118	0.208	25.0
	12	23010	-	0.109	0.079	0.137	25.0
	12	23095	-	0.120	0.088	0.151	25.0
	12	23179	-	0.132	0.095	0.166	25.0
	13	23180	-	0.160	0.117	0.201	25.0
	13	23230	-	0.160	0.116	0.201	25.0
	13	23279	-	0.159	0.116	0.200	25.0
	25	26040	-	0.075	0.046	0.094	25.0
	25	26365	-	0.077	0.046	0.097	25.0
	25	26689	-	0.078	0.048	0.098	25.0
	41	39650	-	0.000	0.000	0.000	25.0
	41	40620	-	0.000	0.000	0.000	25.0
	41	41589	-	0.000	0.000	0.000	25.0
	48	55240	-	0.047	0.024	0.059	25.0
	48	55990	-	0.045	0.021	0.057	25.0
	48	56739	-	0.043	0.020	0.054	25.0
	66	131972	-	0.113	0.070	0.142	25.0
	66	132322	-	0.100	0.061	0.126	25.0
	66	132671	-	0.088	0.055	0.111	25.0
	71	133122	-	0.046	0.033	0.058	25.0
	71	133322	-	0.065	0.047	0.082	25.0
	71	133471	-	0.091	0.066	0.115	25.0
NR	n2	372000	-	0.000	0.000	0.000	25.0
	n2	376000	-	0.000	0.000	0.000	25.0
	n2	380000	-	0.000	0.000	0.000	25.0
	n5	166800	-	0.116	0.084	0.146	25.0
	n5	167300	-	0.064	0.046	0.081	25.0
	n5	167800	-	0.104	0.075	0.131	25.0
	n41 sub	509202	-	0.386	0.195	0.486	23.0
	n41 sub	518598	-	0.596	0.271	0.751	23.0
	n41 sub	528000	-	0.506	0.226	0.637	23.0
	n66	344000	-	0.051	0.032	0.064	25.0
	n66	349000	-	0.000	0.000	0.000	25.0
	n66	354000	-	0.000	0.000	0.000	25.0
	n71	134600	-	0.000	0.000	0.000	25.0
	n71	136100	-	0.000	0.000	0.000	25.0
	n71	137600	-	0.000	0.000	0.000	25.0
	n77	650000	-	0.068	0.026	0.086	25.0
	n77	656000	-	0.066	0.030	0.083	25.0
	n77	662000	-	0.064	0.029	0.081	25.0

10mm Front

RAT	Band	Channel	Distance [mm]	1g SAR	10g SAR	Scaled SAR 1g [W/kg]	Max Power [dBm]
LTE	2	18600	10	0.647	0.333	0.815	25.0
	2	18900	10	0.648	0.337	0.816	25.0
	2	19199	10	0.649	0.330	0.817	25.0
	4	19950	10	0.983	0.508	1.238	25.0
	4	20175	10	0.949	0.482	1.195	25.0
	4	20399	10	0.933	0.469	1.175	25.0
	5	20400	10	0.149	0.106	0.188	25.0
	5	20525	10	0.145	0.104	0.183	25.0
	5	20649	10	0.156	0.112	0.196	25.0
	5 sub	20400	10	0.154	0.110	0.194	24.0
	5 sub	20525	10	0.170	0.121	0.214	24.0
	5 sub	20649	10	0.164	0.118	0.206	24.0
	12	23010	10	0.145	0.106	0.183	25.0
	12	23095	10	0.156	0.114	0.196	25.0
	12	23179	10	0.165	0.119	0.208	25.0
	13	23180	10	0.156	0.113	0.196	25.0
	13	23230	10	0.160	0.115	0.201	25.0
	13	23279	10	0.149	0.109	0.188	25.0
	13 sub	23180	10	0.173	0.125	0.218	24.0
	13 sub	23230	10	0.181	0.130	0.228	24.0
	13 sub	23279	10	0.169	0.122	0.213	24.0
	25	26040	10	0.641	0.330	0.807	25.0
	25	26365	10	0.658	0.340	0.828	25.0
	25	26689	10	0.646	0.327	0.813	25.0
	41	39650	10	0.326	0.161	0.410	25.0
	41	40620	10	0.386	0.189	0.486	25.0
	41	41589	10	0.261	0.135	0.329	25.0
	48	55240	10	0.379	0.179	0.477	25.0
	48	55990	10	0.336	0.152	0.423	25.0
	48	56739	10	0.291	0.128	0.366	25.0
	66	131972	10	1.080	0.562	1.360	25.0
	66	132322	10	1.080	0.543	1.360	25.0
	66	132671	10	0.995	0.496	1.253	25.0
71	133122	10	0.088	0.064	0.111	25.0	
71	133322	10	0.107	0.079	0.135	25.0	
71	133471	10	0.123	0.090	0.155	25.0	
NR	n2	372000	10	0.163	0.083	0.205	25.0
	n2	376000	10	0.078	0.040	0.098	25.0
	n2	380000	10	0.072	0.037	0.091	25.0
	n5	166800	10	0.135	0.098	0.170	25.0
	n5	167300	10	0.071	0.051	0.089	25.0
	n5	167800	10	0.117	0.084	0.147	25.0
	n5 sub	166800	10	0.111	0.079	0.140	24.0
	n5 sub	167300	10	0.098	0.070	0.123	24.0
	n5 sub	167800	10	0.050	0.036	0.063	24.0
	n41 sub	509202	10	0.341	0.170	0.429	23.0
	n41 sub	518598	10	0.391	0.180	0.492	23.0
	n41 sub	528000	10	0.526	0.241	0.663	23.0
	n66	344000	10	0.784	0.385	0.987	25.0
	n66	349000	10	0.543	0.265	0.684	25.0
	n66	354000	10	0.488	0.241	0.614	25.0
	n71	134600	10	0.058	0.037	0.073	25.0
	n71	136100	10	0.050	0.033	0.063	25.0
	n71	137600	10	0.000	0.000	0.000	25.0
	n77	650000	10	0.478	0.226	0.602	25.0
	n77	656000	10	0.389	0.174	0.490	25.0
n77	662000	10	0.362	0.157	0.456	25.0	



10mm Back

RAT	Band	Channel	Distance [mm]	1g SAR	10g SAR	Scaled SAR 1g [W/kg]	Max Power [dBm]
LTE	2	18600	10	0.746	0.384	0.939	25.0
	2	18900	10	0.712	0.368	0.896	25.0
	2	19199	10	0.670	0.341	0.843	25.0
	4	19950	10	1.100	0.582	1.385	25.0
	4	20175	10	1.050	0.550	1.322	25.0
	4	20399	10	0.950	0.494	1.196	25.0
	5	20400	10	0.197	0.120	0.248	25.0
	5	20525	10	0.201	0.126	0.253	25.0
	5	20649	10	0.186	0.115	0.234	25.0
	5 sub	20400	10	0.151	0.107	0.190	24.0
	5 sub	20525	10	0.172	0.120	0.217	24.0
	5 sub	20649	10	0.165	0.114	0.208	24.0
	12	23010	10	0.184	0.134	0.232	25.0
	12	23095	10	0.195	0.142	0.245	25.0
	12	23179	10	0.197	0.144	0.248	25.0
	13	23180	10	0.208	0.121	0.262	25.0
	13	23230	10	0.199	0.117	0.251	25.0
	13	23279	10	0.209	0.123	0.263	25.0
	13 sub	23180	10	0.175	0.125	0.220	24.0
	13 sub	23230	10	0.185	0.132	0.233	24.0
	13 sub	23279	10	0.173	0.123	0.218	24.0
	25	26040	10	0.731	0.378	0.920	25.0
	25	26365	10	0.705	0.365	0.888	25.0
	25	26689	10	0.664	0.337	0.836	25.0
	41	39650	10	0.447	0.216	0.563	25.0
	41	40620	10	0.462	0.218	0.582	25.0
	41	41589	10	0.520	0.228	0.655	25.0
	48	55240	10	0.701	0.301	0.883	25.0
	48	55990	10	0.495	0.211	0.623	25.0
	48	56739	10	0.493	0.207	0.621	25.0
	66	131972	10	1.220	0.643	1.536	25.0
	66	132322	10	1.150	0.600	1.448	25.0
	66	132671	10	0.931	0.480	1.172	25.0
71	133122	10	0.115	0.084	0.145	25.0	
71	133322	10	0.142	0.103	0.179	25.0	
71	133471	10	0.155	0.114	0.195	25.0	
NR	n2	372000	10	0.109	0.055	0.137	25.0
	n2	376000	10	0.054	0.027	0.068	25.0
	n2	380000	10	0.050	0.024	0.063	25.0
	n5	166800	10	0.150	0.107	0.189	25.0
	n5	167300	10	0.077	0.049	0.097	25.0
	n5	167800	10	0.126	0.091	0.159	25.0
	n5 sub	166800	10	0.119	0.085	0.150	24.0
	n5 sub	167300	10	0.102	0.073	0.128	24.0
	n5 sub	167800	10	0.053	0.038	0.067	24.0
	n41 sub	509202	10	0.291	0.145	0.366	23.0
	n41 sub	518598	10	0.326	0.155	0.410	23.0
	n41 sub	528000	10	0.306	0.150	0.385	23.0
	n66	344000	10	0.784	0.402	0.987	25.0
	n66	349000	10	0.464	0.237	0.584	25.0
	n66	354000	10	0.401	0.204	0.505	25.0
	n71	134600	10	0.092	0.056	0.116	25.0
	n71	136100	10	0.076	0.046	0.096	25.0
	n71	137600	10	0.000	0.000	0.000	25.0
	n77	650000	10	0.991	0.423	1.248	25.0
	n77	656000	10	0.734	0.321	0.924	25.0
n77	662000	10	0.651	0.284	0.820	25.0	

10mm Right

RAT	Band	Channel	Distance [mm]	1g SAR	10g SAR	Scaled SAR 1g [W/kg]	Max Power [dBm]
LTE	2	18600	10	0.119	0.066	0.150	25.0
	2	18900	10	0.145	0.080	0.183	25.0
	2	19199	10	0.152	0.084	0.191	25.0
	4	19950	10	0.174	0.099	0.219	25.0
	4	20175	10	0.190	0.108	0.239	25.0
	4	20399	10	0.172	0.096	0.217	25.0
	5	20400	10	0.087	0.058	0.110	25.0
	5	20525	10	0.092	0.061	0.116	25.0
	5	20649	10	0.125	0.082	0.157	25.0
	5 sub	20400	10	0.235	0.150	0.296	24.0
	5 sub	20525	10	0.248	0.161	0.312	24.0
	5 sub	20649	10	0.256	0.166	0.322	24.0
	12	23010	10	0.128	0.085	0.161	25.0
	12	23095	10	0.130	0.086	0.164	25.0
	12	23179	10	0.128	0.086	0.161	25.0
	13	23180	10	0.103	0.068	0.130	25.0
	13	23230	10	0.113	0.073	0.142	25.0
	13	23279	10	0.097	0.064	0.122	25.0
	13 sub	23180	10	0.275	0.180	0.346	24.0
	13 sub	23230	10	0.305	0.198	0.384	24.0
	13 sub	23279	10	0.256	0.168	0.322	24.0
	25	26040	10	0.119	0.067	0.150	25.0
	25	26365	10	0.139	0.078	0.175	25.0
	25	26689	10	0.157	0.088	0.198	25.0
	41	39650	10	0.082	0.044	0.103	25.0
	41	40620	10	0.061	0.031	0.077	25.0
	41	41589	10	0.039	0.020	0.049	25.0
	48	55240	10	0.307	0.142	0.386	25.0
	48	55990	10	0.352	0.159	0.443	25.0
	48	56739	10	0.377	0.164	0.475	25.0
	66	131972	10	0.188	0.106	0.237	25.0
	66	132322	10	0.201	0.115	0.253	25.0
	66	132671	10	0.197	0.111	0.248	25.0
71	133122	10	0.074	0.049	0.093	25.0	
71	133322	10	0.096	0.064	0.121	25.0	
71	133471	10	0.096	0.064	0.121	25.0	
NR	n2	372000	10	0.000	0.000	0.000	25.0
	n2	376000	10	0.000	0.000	0.000	25.0
	n2	380000	10	0.000	0.000	0.000	25.0
	n5	166800	10	0.108	0.071	0.136	25.0
	n5	167300	10	0.064	0.042	0.081	25.0
	n5	167800	10	0.090	0.059	0.113	25.0
	n5 sub	166800	10	0.156	0.100	0.196	24.0
	n5 sub	167300	10	0.131	0.085	0.165	24.0
	n5 sub	167800	10	0.068	0.044	0.086	24.0
	n41 sub	509202	10	0.461	0.221	0.580	23.0
	n41 sub	518598	10	0.546	0.251	0.688	23.0
	n41 sub	528000	10	0.321	0.140	0.404	23.0
	n66	344000	10	0.115	0.061	0.145	25.0
	n66	349000	10	0.093	0.050	0.117	25.0
	n66	354000	10	0.096	0.051	0.121	25.0
	n71	134600	10	0.047	0.031	0.059	25.0
	n71	136100	10	0.047	0.031	0.059	25.0
	n71	137600	10	0.000	0.000	0.000	25.0
	n77	650000	10	0.431	0.197	0.543	25.0
	n77	656000	10	0.334	0.156	0.420	25.0
n77	662000	10	0.317	0.145	0.399	25.0	

## 10mm Left

RAT	Band	Channel	Distance [mm]	1g SAR	10g SAR	Scaled SAR 1g [W/kg]	Max Power [dBm]
LTE	2	18600	10	0.081	0.048	0.102	25.0
	2	18900	10	0.099	0.055	0.125	25.0
	2	19199	10	0.115	0.062	0.145	25.0
	4	19950	10	0.113	0.066	0.142	25.0
	4	20175	10	0.107	0.061	0.135	25.0
	4	20399	10	0.119	0.070	0.150	25.0
	5	20400	10	0.203	0.132	0.256	25.0
	5	20525	10	0.179	0.118	0.225	25.0
	5	20649	10	0.178	0.118	0.224	25.0
	5 sub	20400	10	0.075	0.049	0.094	24.0
	5 sub	20525	10	0.086	0.057	0.108	24.0
	5 sub	20649	10	0.095	0.062	0.120	24.0
	12	23010	10	0.274	0.183	0.345	25.0
	12	23095	10	0.284	0.189	0.358	25.0
	12	23179	10	0.273	0.183	0.344	25.0
	13	23180	10	0.237	0.157	0.298	25.0
	13	23230	10	0.248	0.165	0.312	25.0
	13	23279	10	0.215	0.143	0.271	25.0
	13 sub	23180	10	0.088	0.059	0.111	24.0
	13 sub	23230	10	0.097	0.063	0.122	24.0
	13 sub	23279	10	0.084	0.056	0.106	24.0
	25	26040	10	0.085	0.047	0.107	25.0
	25	26365	10	0.109	0.059	0.137	25.0
	25	26689	10	0.112	0.059	0.141	25.0
	41	39650	10	0.402	0.269	0.506	25.0
	41	40620	10	0.370	0.364	0.466	25.0
	41	41589	10	0.629	0.430	0.792	25.0
	48	55240	10	0.108	0.055	0.136	25.0
	48	55990	10	0.089	0.043	0.112	25.0
	48	56739	10	0.082	0.039	0.103	25.0
	66	131972	10	0.130	0.076	0.164	25.0
	66	132322	10	0.124	0.072	0.156	25.0
	66	132671	10	0.127	0.071	0.160	25.0
71	133122	10	0.159	0.106	0.200	25.0	
71	133322	10	0.205	0.138	0.258	25.0	
71	133471	10	0.228	0.152	0.287	25.0	
NR	n2	372000	10	0.043	0.022	0.054	25.0
	n2	376000	10	0.000	0.000	0.000	25.0
	n2	380000	10	0.000	0.000	0.000	25.0
	n5	166800	10	0.154	0.102	0.194	25.0
	n5	167300	10	0.078	0.051	0.098	25.0
	n5	167800	10	0.122	0.081	0.154	25.0
	n5 sub	166800	10	0.067	0.044	0.084	24.0
	n5 sub	167300	10	0.056	0.037	0.070	24.0
	n5 sub	167800	10	0.000	0.000	0.000	24.0
	n41 sub	509202	10	0.115	0.030	0.145	23.0
	n41 sub	518598	10	0.115	0.030	0.145	23.0
	n41 sub	528000	10	0.246	0.070	0.309	23.0
	n66	344000	10	0.108	0.063	0.136	25.0
	n66	349000	10	0.088	0.049	0.111	25.0
	n66	354000	10	0.082	0.043	0.103	25.0
	n71	134600	10	0.135	0.091	0.170	25.0
	n71	136100	10	0.119	0.079	0.150	25.0
	n71	137600	10	0.000	0.000	0.000	25.0
	n77	650000	10	0.132	0.067	0.166	25.0
	n77	656000	10	0.119	0.058	0.150	25.0
n77	662000	10	0.112	0.055	0.141	25.0	

10mm Bottom

RAT	Band	Channel	Distance [mm]	1g SAR	10g SAR	Scaled SAR 1g [W/kg]	Max Power [dBm]
LTE	2	18600	10	1.190	0.596	1.498	25.0
	2	18900	10	1.200	0.600	1.511	25.0
	2	19199	10	1.110	0.545	1.397	25.0
	4	19950	10	1.450	0.727	1.825	25.0
	4	20175	10	1.350	0.674	1.700	25.0
	4	20399	10	1.400	0.699	1.762	25.0
	5	20400	10	0.093	0.050	0.117	25.0
	5	20525	10	0.096	0.050	0.121	25.0
	5	20649	10	0.079	0.042	0.099	25.0
	5 sub	20400	10	0.000	0.000	0.000	24.0
	5 sub	20525	10	0.000	0.000	0.000	24.0
	5 sub	20649	10	0.000	0.000	0.000	24.0
	12	23010	10	0.070	0.036	0.088	25.0
	12	23095	10	0.083	0.041	0.104	25.0
	12	23179	10	0.075	0.037	0.094	25.0
	13	23180	10	0.122	0.067	0.154	25.0
	13	23230	10	0.128	0.070	0.161	25.0
	13	23279	10	0.123	0.068	0.155	25.0
	13 sub	23180	10	0.000	0.000	0.000	24.0
	13 sub	23230	10	0.000	0.000	0.000	24.0
	13 sub	23279	10	0.000	0.000	0.000	24.0
	25	26040	10	1.170	0.584	1.473	25.0
	25	26365	10	1.180	0.586	1.486	25.0
	25	26689	10	1.100	0.541	1.385	25.0
	41	39650	10	0.503	0.250	0.633	25.0
	41	40620	10	0.705	0.345	0.888	25.0
	41	41589	10	0.500	0.243	0.629	25.0
	48	55240	10	0.975	0.404	1.227	25.0
	48	55990	10	0.826	0.341	1.040	25.0
	48	56739	10	0.763	0.316	0.961	25.0
	66	131972	10	1.570	0.789	1.977	25.0
	66	132322	10	1.570	0.781	1.977	25.0
	66	132671	10	1.430	0.705	1.800	25.0
71	133122	10	0.047	0.024	0.059	25.0	
71	133322	10	0.064	0.034	0.081	25.0	
71	133471	10	0.071	0.038	0.089	25.0	
NR	n2	372000	10	0.188	0.090	0.237	25.0
	n2	376000	10	0.078	0.037	0.098	25.0
	n2	380000	10	0.068	0.032	0.086	25.0
	n5	166800	10	0.052	0.028	0.065	25.0
	n5	167300	10	0.000	0.000	0.000	25.0
	n5	167800	10	0.051	0.026	0.064	25.0
	n5 sub	166800	10	0.000	0.000	0.000	24.0
	n5 sub	167300	10	0.000	0.000	0.000	24.0
	n5 sub	167800	10	0.000	0.000	0.000	24.0
	n41 sub	509202	10	0.180	0.050	0.227	23.0
	n41 sub	518598	10	0.120	0.035	0.151	23.0
	n41 sub	528000	10	0.120	0.035	0.151	23.0
	n66	344000	10	1.130	0.560	1.423	25.0
	n66	349000	10	0.666	0.329	0.838	25.0
	n66	354000	10	0.607	0.294	0.764	25.0
	n71	134600	10	0.060	0.029	0.076	25.0
	n71	136100	10	0.043	0.021	0.054	25.0
	n71	137600	10	0.000	0.000	0.000	25.0
	n77	650000	10	1.270	0.535	1.599	25.0
	n77	656000	10	0.963	0.410	1.212	25.0
n77	662000	10	0.820	0.343	1.032	25.0	

10mm Top

RAT	Band	Channel	Distance [mm]	1g SAR	10g SAR	Scaled SAR 1g [W/kg]	Max Power [dBm]
LTE	2	18600	10	0.000	0.000	0.000	25.0
	2	18900	10	0.000	0.000	0.000	25.0
	2	19199	10	0.000	0.000	0.000	25.0
	4	19950	10	0.000	0.000	0.000	25.0
	4	20175	10	0.000	0.000	0.000	25.0
	4	20399	10	0.000	0.000	0.000	25.0
	5	20400	10	0.000	0.000	0.000	25.0
	5	20525	10	0.000	0.000	0.000	25.0
	5	20649	10	0.000	0.000	0.000	25.0
	5 sub	20400	10	0.053	0.028	0.067	24.0
	5 sub	20525	10	0.061	0.031	0.077	24.0
	5 sub	20649	10	0.045	0.023	0.057	24.0
	12	23010	10	0.000	0.000	0.000	25.0
	12	23095	10	0.000	0.000	0.000	25.0
	12	23179	10	0.000	0.000	0.000	25.0
	13	23180	10	0.000	0.000	0.000	25.0
	13	23230	10	0.000	0.000	0.000	25.0
	13	23279	10	0.000	0.000	0.000	25.0
	13 sub	23180	10	0.087	0.048	0.110	24.0
	13 sub	23230	10	0.089	0.047	0.112	24.0
	13 sub	23279	10	0.076	0.041	0.096	24.0
	25	26040	10	0.000	0.000	0.000	25.0
	25	26365	10	0.000	0.000	0.000	25.0
	25	26689	10	0.000	0.000	0.000	25.0
	41	39650	10	0.000	0.000	0.000	25.0
	41	40620	10	0.038	0.009	0.048	25.0
	41	41589	10	0.000	0.000	0.000	25.0
	48	55240	10	0.041	0.010	0.052	25.0
	48	55990	10	0.053	0.013	0.067	25.0
	48	56739	10	0.060	0.015	0.076	25.0
	66	131972	10	0.000	0.000	0.000	25.0
	66	132322	10	0.000	0.000	0.000	25.0
	66	132671	10	0.000	0.000	0.000	25.0
71	133122	10	0.000	0.000	0.000	25.0	
71	133322	10	0.000	0.000	0.000	25.0	
71	133471	10	0.000	0.000	0.000	25.0	
NR	n2	372000	10	0.000	0.000	0.000	25.0
	n2	376000	10	0.000	0.000	0.000	25.0
	n2	380000	10	0.000	0.000	0.000	25.0
	n5	166800	10	0.000	0.000	0.000	25.0
	n5	167300	10	0.000	0.000	0.000	25.0
	n5	167800	10	0.000	0.000	0.000	25.0
	n5 sub	166800	10	0.000	0.000	0.000	24.0
	n5 sub	167300	10	0.000	0.000	0.000	24.0
	n5 sub	167800	10	0.000	0.000	0.000	24.0
	n41 sub	509202	10	0.246	0.070	0.309	23.0
	n41 sub	518598	10	0.205	0.060	0.259	23.0
	n41 sub	528000	10	0.205	0.060	0.259	23.0
	n66	344000	10	0.000	0.000	0.000	25.0
	n66	349000	10	0.000	0.000	0.000	25.0
	n66	354000	10	0.000	0.000	0.000	25.0
	n71	134600	10	0.000	0.000	0.000	25.0
	n71	136100	10	0.000	0.000	0.000	25.0
	n71	137600	10	0.000	0.000	0.000	25.0
	n77	650000	10	0.039	0.009	0.049	25.0
	n77	656000	10	0.042	0.011	0.053	25.0
n77	662000	10	0.040	0.011	0.050	25.0	

Phablet Omm Front

RAT	Band	Channel	Distance [mm]	1g SAR	10g SAR	Scaled SAR 10g [W/kg]	Max Power [dBm]
LTE	2	18600	0	5.140	2.240	2.820	25.0
	2	18900	0	5.410	2.320	2.921	25.0
	2	19199	0	5.250	2.240	2.820	25.0
	4	19950	0	6.710	2.900	3.651	25.0
	4	20175	0	6.920	2.960	3.726	25.0
	4	20399	0	7.100	3.010	3.789	25.0
	5	20400	0	1.950	0.870	1.095	25.0
	5	20525	0	1.980	0.880	1.108	25.0
	5	20649	0	1.880	0.839	1.056	25.0
	5 sub	20400	0	1.550	0.718	0.904	24.0
	5 sub	20525	0	1.520	0.707	0.890	24.0
	5 sub	20649	0	1.390	0.659	0.830	24.0
	12	23010	0	1.920	0.830	1.045	25.0
	12	23095	0	1.850	0.806	1.015	25.0
	12	23179	0	1.760	0.774	0.974	25.0
	13	23180	0	1.580	0.689	0.867	25.0
	13	23230	0	1.610	0.708	0.891	25.0
	13	23279	0	1.510	0.662	0.833	25.0
	13 sub	23180	0	1.330	0.644	0.811	24.0
	13 sub	23230	0	1.410	0.677	0.852	24.0
	13 sub	23279	0	1.320	0.640	0.806	24.0
	25	26040	0	5.100	2.220	2.795	25.0
	25	26365	0	5.320	2.280	2.870	25.0
	25	26689	0	5.340	2.270	2.858	25.0
	41	39650	0	4.150	1.650	2.077	25.0
	41	40620	0	4.370	1.740	2.191	25.0
	41	41589	0	4.070	1.540	1.939	25.0
	48	55240	0	4.800	2.000	2.518	25.0
	48	55990	0	4.800	1.840	2.316	25.0
	48	56739	0	4.300	1.670	2.102	25.0
	66	131972	0	7.060	3.050	3.840	25.0
	66	132322	0	7.460	3.200	4.029	25.0
	66	132671	0	7.650	3.210	4.041	25.0
71	133122	0	1.580	0.682	0.859	25.0	
71	133322	0	1.810	0.782	0.984	25.0	
71	133471	0	1.840	0.796	1.002	25.0	
NR	n2	372000	0	2.380	0.999	1.258	25.0
	n2	376000	0	1.450	0.600	0.755	25.0
	n2	380000	0	1.350	0.564	0.710	25.0
	n5	166800	0	2.030	0.913	1.149	25.0
	n5	167300	0	0.893	0.406	0.511	25.0
	n5	167800	0	1.700	0.739	0.930	25.0
	n5 sub	166800	0	0.872	0.405	0.510	24.0
	n5 sub	167300	0	0.880	0.405	0.510	24.0
	n5 sub	167800	0	0.461	0.227	0.286	24.0
	n41 sub	509202	0	4.375	1.574	1.981	23.0
	n41 sub	518598	0	4.481	1.594	2.006	23.0
	n41 sub	528000	0	4.962	1.719	2.164	23.0
	n66	344000	0	6.660	2.720	3.424	25.0
	n66	349000	0	4.510	1.870	2.354	25.0
	n66	354000	0	4.290	1.770	2.228	25.0
	n71	134600	0	1.100	0.483	0.608	25.0
	n71	136100	0	0.953	0.407	0.512	25.0
	n71	137600	0	0.325	0.140	0.176	25.0
	n77	650000	0	6.000	2.270	2.858	25.0
n77	656000	0	5.300	1.880	2.367	25.0	
n77	662000	0	5.110	1.800	2.266	25.0	

## Phablet Omm Back

RAT	Band	Channel	Distance [mm]	1g SAR	10g SAR	Scaled SAR 10g [W/kg]	Max Power [dBm]
LTE	2	18600	0	3.860	1.700	2.140	25.0
	2	18900	0	3.700	1.630	2.052	25.0
	2	19199	0	3.450	1.310	1.649	25.0
	4	19950	0	4.890	2.190	2.757	25.0
	4	20175	0	4.830	2.160	2.719	25.0
	4	20399	0	4.750	2.130	2.682	25.0
	5	20400	0	2.830	1.200	1.511	25.0
	5	20525	0	2.730	1.160	1.460	25.0
	5	20649	0	2.490	1.060	1.334	25.0
	5 sub	20400	0	0.771	0.429	0.540	24.0
	5 sub	20525	0	0.810	0.452	0.569	24.0
	5 sub	20649	0	0.795	0.450	0.567	24.0
	12	23010	0	2.450	1.040	1.309	25.0
	12	23095	0	2.290	0.979	1.232	25.0
	12	23179	0	2.120	0.907	1.142	25.0
	13	23180	0	2.870	1.190	1.498	25.0
	13	23230	0	2.820	1.170	1.473	25.0
	13	23279	0	2.840	1.170	1.473	25.0
	13 sub	23180	0	0.724	0.399	0.502	24.0
	13 sub	23230	0	0.735	0.403	0.507	24.0
	13 sub	23279	0	0.713	0.397	0.500	24.0
	25	26040	0	3.860	1.710	2.153	25.0
	25	26365	0	3.740	1.630	2.052	25.0
	25	26689	0	3.630	1.360	1.712	25.0
	41	39650	0	6.470	2.100	2.644	25.0
	41	40620	0	5.510	1.750	2.203	25.0
	41	41589	0	4.330	1.330	1.674	25.0
	48	55240	0	10.900	3.360	4.230	25.0
	48	55990	0	9.730	3.010	3.789	25.0
	48	56739	0	9.590	2.970	3.739	25.0
	66	131972	0	5.160	2.320	2.921	25.0
	66	132322	0	5.280	2.360	2.971	25.0
	66	132671	0	4.900	2.220	2.795	25.0
71	133122	0	3.190	1.330	1.674	25.0	
71	133322	0	2.920	1.220	1.536	25.0	
71	133471	0	2.420	1.030	1.297	25.0	
NR	n2	372000	0	3.120	1.060	1.334	25.0
	n2	376000	0	2.750	0.897	1.129	25.0
	n2	380000	0	2.830	0.923	1.162	25.0
	n5	166800	0	2.610	1.220	1.536	25.0
	n5	167300	0	1.090	0.488	0.614	25.0
	n5	167800	0	2.150	0.948	1.193	25.0
	n5 sub	166800	0	0.469	0.282	0.355	24.0
	n5 sub	167300	0	0.459	0.279	0.351	24.0
	n5 sub	167800	0	0.280	0.171	0.215	24.0
	n41 sub	509202	0	2.426	1.022	1.287	23.0
	n41 sub	518598	0	2.481	0.987	1.243	23.0
	n41 sub	528000	0	2.135	0.872	1.098	23.0
	n66	344000	0	4.210	1.880	2.367	25.0
	n66	349000	0	2.650	1.010	1.272	25.0
	n66	354000	0	2.640	1.010	1.272	25.0
	n71	134600	0	3.580	1.540	1.939	25.0
	n71	136100	0	2.480	1.110	1.397	25.0
	n71	137600	0	0.803	0.347	0.437	25.0
	n77	650000	0	16.100	4.580	5.766	25.0
	n77	656000	0	12.800	3.760	4.734	25.0
n77	662000	0	10.800	3.230	4.066	25.0	

## Phablet Omm Right

RAT	Band	Channel	Distance [mm]	1g SAR	10g SAR	Scaled SAR 10g [W/kg]	Max Power [dBm]
LTE	2	18600	0	0.641	0.286	0.360	25.0
	2	18900	0	0.758	0.331	0.417	25.0
	2	19199	0	0.876	0.377	0.475	25.0
	4	19950	0	0.922	0.385	0.485	25.0
	4	20175	0	0.969	0.416	0.524	25.0
	4	20399	0	0.996	0.429	0.540	25.0
	5	20400	0	0.306	0.157	0.198	25.0
	5	20525	0	0.371	0.190	0.239	25.0
	5	20649	0	0.356	0.182	0.229	25.0
	5 sub	20400	0	2.120	0.814	1.025	24.0
	5 sub	20525	0	2.120	0.829	1.044	24.0
	5 sub	20649	0	1.990	0.782	0.984	24.0
	12	23010	0	0.192	0.093	0.117	25.0
	12	23095	0	0.250	0.122	0.154	25.0
	12	23179	0	0.296	0.146	0.184	25.0
	13	23180	0	0.299	0.156	0.196	25.0
	13	23230	0	0.295	0.154	0.194	25.0
	13	23279	0	0.277	0.145	0.183	25.0
	13 sub	23180	0	1.870	0.704	0.886	24.0
	13 sub	23230	0	1.930	0.727	0.915	24.0
	13 sub	23279	0	1.830	0.685	0.862	24.0
	25	26040	0	0.653	0.290	0.365	25.0
	25	26365	0	0.740	0.323	0.407	25.0
	25	26689	0	0.915	0.396	0.499	25.0
	41	39650	0	0.470	0.181	0.228	25.0
	41	40620	0	0.357	0.125	0.157	25.0
	41	41589	0	0.172	0.070	0.088	25.0
	48	55240	0	3.970	1.260	1.586	25.0
	48	55990	0	5.940	1.710	2.153	25.0
	48	56739	0	5.920	1.710	2.153	25.0
	66	131972	0	1.010	0.421	0.530	25.0
	66	132322	0	1.110	0.472	0.594	25.0
	66	132671	0	1.140	0.494	0.622	25.0
71	133122	0	0.085	0.043	0.054	25.0	
71	133322	0	0.114	0.055	0.069	25.0	
71	133471	0	0.160	0.077	0.097	25.0	
NR	n2	372000	0	0.348	0.126	0.159	25.0
	n2	376000	0	0.192	0.076	0.096	25.0
	n2	380000	0	0.201	0.076	0.096	25.0
	n5	166800	0	0.282	0.129	0.162	25.0
	n5	167300	0	0.173	0.081	0.102	25.0
	n5	167800	0	0.254	0.121	0.152	25.0
	n5 sub	166800	0	1.270	0.490	0.617	24.0
	n5 sub	167300	0	1.050	0.417	0.525	24.0
	n5 sub	167800	0	0.716	0.277	0.349	24.0
	n41 sub	509202	0	4.160	1.654	2.082	23.0
	n41 sub	518598	0	4.120	1.589	2.000	23.0
	n41 sub	528000	0	2.070	0.872	1.098	23.0
	n66	344000	0	0.997	0.362	0.456	25.0
	n66	349000	0	0.691	0.279	0.351	25.0
	n66	354000	0	0.699	0.263	0.331	25.0
	n71	134600	0	0.046	0.023	0.029	25.0
	n71	136100	0	0.052	0.023	0.029	25.0
	n71	137600	0	0.000	0.000	0.000	25.0
	n77	650000	0	5.870	1.690	2.128	25.0
	n77	656000	0	4.030	1.200	1.511	25.0
n77	662000	0	4.560	1.290	1.624	25.0	



Phablet 0mm Left

RAT	Band	Channel	Distance [mm]	1g SAR	10g SAR	Scaled SAR 10g [W/kg]	Max Power [dBm]
LTE	2	18600	0	2.600	1.050	1.322	25.0
	2	18900	0	2.840	1.160	1.460	25.0
	2	19199	0	2.570	1.050	1.322	25.0
	4	19950	0	2.680	1.100	1.385	25.0
	4	20175	0	2.990	1.230	1.548	25.0
	4	20399	0	3.380	1.400	1.762	25.0
	5	20400	0	4.830	1.570	1.977	25.0
	5	20525	0	4.780	1.580	1.989	25.0
	5	20649	0	4.560	1.500	1.888	25.0
	5 sub	20400	0	1.640	0.547	0.689	24.0
	5 sub	20525	0	1.860	0.589	0.742	24.0
	5 sub	20649	0	1.930	0.604	0.760	24.0
	5	20649	0	4.560	1.500	1.888	25.0
	12	23010	0	4.910	1.470	1.851	25.0
	12	23095	0	4.560	1.370	1.725	25.0
	12	23179	0	4.290	1.310	1.649	25.0
	13	23180	0	4.450	1.440	1.813	25.0
	13	23230	0	4.500	1.440	1.813	25.0
	13	23279	0	4.450	1.430	1.800	25.0
	13 sub	23180	0	1.370	0.478	0.602	24.0
	13 sub	23230	0	1.350	0.475	0.598	24.0
	13 sub	23279	0	1.400	0.492	0.619	24.0
	25	26365	0	2.810	1.150	1.448	25.0
	25	26689	0	2.530	1.030	1.297	25.0
	41	39650	0	0.749	0.279	0.351	25.0
	41	40620	0	0.926	0.335	0.422	25.0
	41	41589	0	0.990	0.346	0.436	25.0
	48	55240	0	0.600	0.243	0.306	25.0
	48	55990	0	0.488	0.198	0.249	25.0
	48	56739	0	0.457	0.180	0.227	25.0
	66	131972	0	2.900	1.180	1.486	25.0
	66	132322	0	3.690	1.530	1.926	25.0
	66	132671	0	3.920	1.630	2.052	25.0
71	133122	0	5.340	1.560	1.964	25.0	
71	133322	0	5.270	1.570	1.977	25.0	
71	133471	0	4.820	1.440	1.813	25.0	
NR	n2	372000	0	1.260	0.449	0.565	25.0
	n2	376000	0	0.800	0.295	0.371	25.0
	n2	380000	0	0.786	0.275	0.346	25.0
	n5	166800	0	6.550	1.920	2.417	25.0
	n5	167300	0	2.310	0.705	0.888	25.0
	n5	167800	0	5.020	1.420	1.788	25.0
	n5 sub	166800	0	1.240	0.415	0.522	24.0
	n5 sub	167300	0	1.330	0.403	0.507	24.0
	n5 sub	167800	0	0.981	0.289	0.364	24.0
	n41 sub	509202	0	0.226	0.090	0.114	23.0
	n41 sub	518598	0	0.210	0.075	0.095	23.0
	n41 sub	528000	0	0.246	0.090	0.114	23.0
	n66	344000	0	3.970	1.440	1.813	25.0
	n66	349000	0	2.550	0.967	1.217	25.0
	n66	354000	0	2.270	0.862	1.085	25.0
	n71	134600	0	6.160	1.510	1.901	25.0
	n71	136100	0	4.310	1.170	1.473	25.0
	n71	137600	0	1.410	0.372	0.468	25.0
	n77	650000	0	0.842	0.325	0.409	25.0
	n77	656000	0	0.528	0.215	0.271	25.0
n77	662000	0	0.655	0.215	0.271	25.0	

Phablet 0mm Bottom

RAT	Band	Channel	Distance [mm]	1g SAR	10g SAR	Scaled SAR 10g [W/kg]	Max Power [dBm]
LTE	2	18600	0	7.070	2.590	3.261	25.0
	2	18900	0	6.060	2.200	2.770	25.0
	2	19199	0	4.530	1.630	2.052	25.0
	4	19950	0	5.720	2.160	2.719	25.0
	4	20175	0	5.500	2.080	2.619	25.0
	4	20399	0	5.610	2.100	2.644	25.0
	5	20400	0	2.040	0.706	0.889	25.0
	5	20525	0	2.090	0.715	0.900	25.0
	5	20649	0	1.930	0.665	0.837	25.0
	5 sub	20400	0	0.153	0.060	0.076	24.0
	5 sub	20525	0	0.165	0.062	0.078	24.0
	5 sub	20649	0	0.193	0.070	0.088	24.0
	12	23010	0	1.220	0.418	0.526	25.0
	12	23095	0	1.160	0.400	0.504	25.0
	12	23179	0	1.280	0.442	0.556	25.0
	13	23180	0	2.130	0.761	0.958	25.0
	13	23230	0	2.140	0.757	0.953	25.0
	13	23279	0	2.150	0.760	0.957	25.0
	13 sub	23180	0	0.175	0.081	0.102	24.0
	13 sub	23230	0	0.155	0.073	0.092	24.0
	13 sub	23279	0	0.151	0.072	0.091	24.0
	25	26040	0	7.070	2.590	3.261	25.0
	25	26365	0	5.930	2.150	2.707	25.0
	25	26689	0	4.370	1.570	1.977	25.0
	41	39650	0	3.020	1.100	1.385	25.0
	41	40620	0	3.630	1.340	1.687	25.0
	41	41589	0	2.300	0.852	1.073	25.0
	48	55240	0	14.900	4.350	5.476	25.0
	48	55990	0	13.800	4.050	5.099	25.0
	48	56739	0	11.900	3.490	4.394	25.0
	66	131972	0	6.020	2.270	2.858	25.0
	66	132322	0	6.250	2.330	2.933	25.0
	66	132671	0	5.720	2.180	2.744	25.0
71	133122	0	1.290	0.483	0.608	25.0	
71	133322	0	1.530	0.529	0.666	25.0	
71	133471	0	1.210	0.413	0.520	25.0	
NR	n2	372000	0	1.070	0.434	0.546	25.0
	n2	376000	0	0.620	0.238	0.300	25.0
	n2	380000	0	0.508	0.212	0.267	25.0
	n5	166800	0	1.740	0.600	0.755	25.0
	n5	167300	0	0.721	0.255	0.321	25.0
	n5	167800	0	1.460	0.492	0.619	25.0
	n5 sub	166800	0	0.113	0.040	0.050	24.0
	n5 sub	167300	0	0.098	0.036	0.045	24.0
	n5 sub	167800	0	0.068	0.024	0.030	24.0
	n41 sub	509202	0	0.050	0.015	0.019	23.0
	n41 sub	518598	0	0.210	0.065	0.082	23.0
	n41 sub	528000	0	0.050	0.015	0.019	23.0
	n66	344000	0	7.040	2.540	3.198	25.0
	n66	349000	0	3.600	1.370	1.725	25.0
	n66	354000	0	3.140	1.180	1.486	25.0
	n71	134600	0	1.640	0.550	0.692	25.0
	n71	136100	0	1.080	0.376	0.473	25.0
	n71	137600	0	0.481	0.148	0.186	25.0
	n77	650000	0	15.800	4.670	5.879	25.0
	n77	656000	0	14.200	3.970	4.998	25.0
n77	662000	0	13.700	3.670	4.620	25.0	

## Phablet 0mm Top

RAT	Band	Channel	Distance [mm]	1g SAR	10g SAR	Scaled SAR 10g [W/kg]	Max Power [dBm]
LTE	2	18600	0	0.000	0.000	0.000	25.0
	2	18900	0	0.000	0.000	0.000	25.0
	2	19199	0	0.000	0.000	0.000	25.0
	4	19950	0	0.068	0.028	0.035	25.0
	4	20175	0	0.038	0.019	0.024	25.0
	4	20399	0	0.052	0.024	0.030	25.0
	5	20400	0	0.105	0.044	0.055	25.0
	5	20525	0	0.090	0.039	0.049	25.0
	5	20649	0	0.060	0.027	0.034	25.0
	5 sub	20400	0	0.846	0.320	0.403	24.0
	5 sub	20525	0	0.902	0.343	0.432	24.0
	5 sub	20649	0	0.844	0.319	0.402	24.0
	12	23010	0	0.045	0.021	0.026	25.0
	12	23095	0	0.067	0.030	0.038	25.0
	12	23179	0	0.079	0.036	0.045	25.0
	13	23180	0	0.086	0.041	0.052	25.0
	13	23230	0	0.077	0.038	0.048	25.0
	13	23279	0	0.091	0.042	0.053	25.0
	13 sub	23180	0	1.200	0.440	0.554	24.0
	13 sub	23230	0	1.280	0.465	0.585	24.0
	13 sub	23279	0	1.180	0.426	0.536	24.0
	25	26040	0	0.000	0.000	0.000	25.0
	25	26365	0	0.000	0.000	0.000	25.0
	25	26689	0	0.029	0.014	0.018	25.0
	41	39650	0	0.045	0.013	0.016	25.0
	41	40620	0	0.000	0.000	0.000	25.0
	41	41589	0	0.037	0.008	0.010	25.0
	48	55240	0	0.040	0.011	0.014	25.0
	48	55990	0	0.067	0.025	0.031	25.0
	48	56739	0	0.070	0.027	0.034	25.0
	66	131972	0	0.078	0.033	0.042	25.0
	66	132322	0	0.057	0.024	0.030	25.0
	66	132671	0	0.065	0.028	0.035	25.0
71	133122	0	0.000	0.000	0.000	25.0	
71	133322	0	0.000	0.000	0.000	25.0	
71	133471	0	0.040	0.018	0.023	25.0	
NR	n2	372000	0	0.000	0.000	0.000	25.0
	n2	376000	0	0.000	0.000	0.000	25.0
	n2	380000	0	0.036	0.010	0.013	25.0
	n5	166800	0	0.000	0.000	0.000	25.0
	n5	167300	0	0.000	0.000	0.000	25.0
	n5	167800	0	0.000	0.000	0.000	25.0
	n5 sub	166800	0	0.465	0.195	0.245	24.0
	n5 sub	167300	0	0.491	0.204	0.257	24.0
	n5 sub	167800	0	0.254	0.109	0.137	24.0
	n41 sub	509202	0	1.133	0.511	0.644	23.0
	n41 sub	518598	0	1.233	0.511	0.644	23.0
	n41 sub	528000	0	0.757	0.381	0.480	23.0
	n66	344000	0	0.000	0.000	0.000	25.0
	n66	349000	0	0.000	0.000	0.000	25.0
	n66	354000	0	0.000	0.000	0.000	25.0
	n71	134600	0	0.000	0.000	0.000	25.0
	n71	136100	0	0.000	0.000	0.000	25.0
	n71	137600	0	0.000	0.000	0.000	25.0
	n77	650000	0	0.062	0.023	0.029	25.0
	n77	656000	0	0.036	0.013	0.016	25.0
n77	662000	0	0.085	0.022	0.028	25.0	

GSM/UMTS Head

RAT	Band	Channel	Service	Number of Slot	Test Position	Distance [mm]	Measure Power [dBm]	1g SAR	Scaled SAR 1g [W/kg]	Max Power [dBm]
GSM	850	190	GSM	1	Cheek Right	-	31.92	0.203	0.273	33.2
	850	190	GSM	1	Tilt Right	-	31.92	0.093	0.125	33.2
	850	190	GSM	1	Cheek Left	-	31.92	0.230	0.309	33.2
	850	190	GSM	1	Tilt Left	-	31.92	0.110	0.148	33.2
	850	190	DTM	3	Cheek Right	-	27.34	0.129	0.165	28.4
	850	190	DTM	3	Tilt Right	-	27.34	0.056	0.071	28.4
	850	190	DTM	3	Cheek Left	-	27.34	0.149	0.190	28.4
	850	190	DTM	3	Tilt Left	-	27.34	0.050	0.064	28.4
	1900	661	GSM	1	Cheek Right	-	27.63	0.044	0.056	28.7
	1900	661	GSM	1	Tilt Right	-	27.63	0.016	0.020	28.7
	1900	661	GSM	1	Cheek Left	-	27.63	0.037	0.047	28.7
	1900	661	GSM	1	Tilt Left	-	27.63	0.030	0.038	28.7
	1900	661	DTM	3	Cheek Right	-	22.72	0.021	0.028	23.9
	1900	661	DTM	3	Tilt Right	-	22.72	0.007	0.009	23.9
	1900	661	DTM	3	Cheek Left	-	22.72	0.016	0.021	23.9
	1900	661	DTM	3	Tilt Left	-	22.72	0.011	0.014	23.9
UMTS	850	4183	RMC	-	Cheek Right	-	24.10	0.211	0.242	24.7
	850	4183	RMC	-	Tilt Right	-	24.10	0.108	0.124	24.7
	850	4183	RMC	-	Cheek Left	-	24.10	0.242	0.278	24.7
	850	4183	RMC	-	Tilt Left	-	24.10	0.117	0.134	24.7
	1750	1513	RMC	-	Cheek Right	-	19.06	0.077	0.089	19.7
	1750	1513	RMC	-	Tilt Right	-	19.06	0.055	0.064	19.7
	1750	1513	RMC	-	Cheek Left	-	19.06	0.050	0.058	19.7
	1750	1513	RMC	-	Tilt Left	-	19.06	0.059	0.068	19.7
	1900	9400	RMC	-	Cheek Right	-	18.97	0.089	0.105	19.7
	1900	9400	RMC	-	Tilt Right	-	18.97	0.032	0.038	19.7
	1900	9400	RMC	-	Cheek Left	-	18.97	0.068	0.080	19.7
	1900	9400	RMC	-	Tilt Left	-	18.97	0.055	0.065	19.7

**GSM/UMTS Body Worn**

RAT	Band	Channel	Service	Number of Slot	Test Position	Distance [mm]	Measure Power [dBm]	1g SAR	Scaled SAR 1g [W/kg]	Max Power [dBm]
GSM	850	190	GSM	1	back	10	31.92	0.203	0.273	33.2
	850	190	DTM	3	back	10	27.34	0.173	0.221	28.4
	1900	661	GSM	1	back	10	27.63	0.194	0.248	28.7
	1900	661	DTM	3	back	10	22.72	0.197	0.259	23.9
UMTS	850	4183	RMC	-	back	10	24.10	0.266	0.305	24.7
	1750	1312	RMC	-	back	10	19.06	0.362	0.419	19.7
	1900	9400	RMC	-	back	10	18.97	0.239	0.283	19.7

**GSM/UMTS Hotspot**

RAT	Band	Channel	Service	Number of Slot	Test Position	Distance [mm]	Measure Power [dBm]	1g SAR	Scaled SAR 1g [W/kg]	Max Power [dBm]
GSM	850	190	GPRS	4	back	10	26.13	0.172	0.220	27.2
	850	190	GPRS	4	front	10	26.13	0.142	0.182	27.2
	850	190	GPRS	4	bottom	10	26.13	0.052	0.067	27.2
	850	190	GPRS	4	left	10	26.13	0.169	0.216	27.2
	850	190	DTM	3	back	10	27.34	0.173	0.221	28.4
	850	190	DTM	3	front	10	27.34	0.185	0.236	28.4
	850	190	DTM	3	bottom	10	27.34	0.073	0.093	28.4
	850	190	DTM	3	left	10	27.34	0.195	0.249	28.4
	1900	661	GPRS	4	back	10	21.44	0.166	0.222	22.7
	1900	661	GPRS	4	front	10	21.44	0.149	0.199	22.7
	1900	661	GPRS	4	bottom	10	21.44	0.275	0.368	22.7
	1900	661	GPRS	4	left	10	21.44	0.032	0.043	22.7
	1900	661	DTM	3	back	10	22.72	0.197	0.259	23.9
	1900	661	DTM	3	front	10	22.72	0.189	0.248	23.9
	1900	661	DTM	3	bottom	10	22.72	0.300	0.394	23.9
	1900	661	DTM	3	left	10	22.72	0.029	0.038	23.9
UMTS	850	4183	RMC	-	back	10	24.10	0.266	0.305	24.7
	850	4183	RMC	-	front	10	24.10	0.258	0.296	24.7
	850	4183	RMC	-	bottom	10	24.10	0.093	0.107	24.7
	850	4183	RMC	-	left	10	24.10	0.303	0.348	24.7
	1750	1513	RMC	-	back	10	19.06	0.362	0.419	19.7
	1750	1513	RMC	-	front	10	19.06	0.324	0.375	19.7
	1750	1312	RMC	-	bottom	10	18.84	0.569	0.694	19.7
	1750	1412	RMC	-	bottom	10	18.97	0.580	0.686	19.7
	1750	1513	RMC	-	bottom	10	19.06	0.543	0.629	19.7
	1750	1513	RMC	-	left	10	19.06	0.043	0.050	19.7
	1900	9400	RMC	-	back	10	18.97	0.239	0.283	19.7
	1900	9400	RMC	-	front	10	18.97	0.178	0.211	19.7
	1900	9400	RMC	-	bottom	10	18.97	0.401	0.474	19.7
1900	9400	RMC	-	left	10	18.97	0.038	0.045	19.7	

**GSM/UMTS Phablet**

RAT	Band	Channel	Service	Number of Slot	Test Position	Distance [mm]	Measure Power [dBm]	10g SAR	Scaled SAR 10g [W/kg]	Max Power [dBm]
GSM	850	190	GPRS	4	back	0	26.13	0.467	0.597	27.2
	850	190	DTM	3	left	0	27.34	0.564	0.720	28.4
	1900	661	GPRS	4	bottom	0	21.44	0.657	0.878	22.7
	1900	661	DTM	3	bottom	0	22.72	0.737	0.967	23.9
UMTS	850	4183	RMC	-	left	0	24.10	0.889	1.021	24.7
	1750	1312	RMC	-	bottom	0	18.84	0.989	1.206	19.7
	1900	9400	RMC	-	bottom	0	18.97	1.100	1.301	19.7