

1.0 Description and Test Setup

This report is for another BlackBerry variant Model: RHT181LW (STV100-2), FCC ID: L6ARHT180LW, which we followed the previously approved FCC OET Lab KDB, BlackBerry Dynamic Antenna Tuning implementation inquiry/guidance, single point screening SAR test was performed in each 9 tuning state, on each low band, test configuration/position to investigate the effect and cover the corners, midpoints of the edges and the mid-point of the tuning range, in addition to the Closed Loop condition scan.

Single point SAR screening was considered because the antenna matching elements do not influence the SAR distribution.

This device model also uses 2 tuning capacitors with 3 tuning states each to provide 9 total tuning states for each adjustable closed loop tuner.

The primary reason for implementing of the closed loop tunable antenna matching is that it reduces the variation from maximum radiated output power. Hence during SAR testing, the radiated power will vary less than it would for a fixed match and will always be the maximum radiated output power. Because the tunable matching consists of discrete variable components that have replaced fixed components in a typical antenna match and are not part of the antenna structure, they will not impact current distributions or antenna patterns. Correspondingly, the tunable matching impacts the power reaching the antenna without affecting the radiation pattern of the antenna.

For each exposure condition (touch, tilt, left, right for head, Hotspot mode with each of the applicable device side with 10 mm fixed separation distance and for body-worn SAR, device front/back with 15 mm fixed separation distance for body-worn SAR), the highest measured SAR configuration (among the channels and wireless configurations tested; i.e. GSM/GPRS, WCDMA, LTE, CDMA test mode setups) was indentified and SAR probe was positioned at the highest SAR measurement point in the area scan and performed single point SAR measurement for all available tuning states; including the one already measured with closed loop tuning active. The device was remained in each SAR test position (for head, Hotspot and body-worn) while it is tuned to the 9 tuning states for single point SAR measurement.

All body-worn SAR data tables were tested on each wireless mode that do not support hotspot mode at the maximum transmitting power. Single point SAR screenings were measured for body-worn configuration with 15 mm distance with the device front and back facing the flat phantom. Front/Back results in worst case SAR. This was agreed and approved by the FCC during our lab KDB inquiry.

Single Point SAR Screening for Antenna Tuning States

In hotspot mode, there is power reduction on some wireless modes. Single point hotspot screenings tests were performed on all 5 sides (front, back, left, right, bottom) for the low bands on this model.

Each tuning state was controlled by the Antenna Tuning/WiFi software tools using an Access Point and WiFi communication over the air.

When programming the tuner settings over the WiFi, there was a very short burst of traffic and then no activity. There was no WiFi traffic when the SAR test was running.

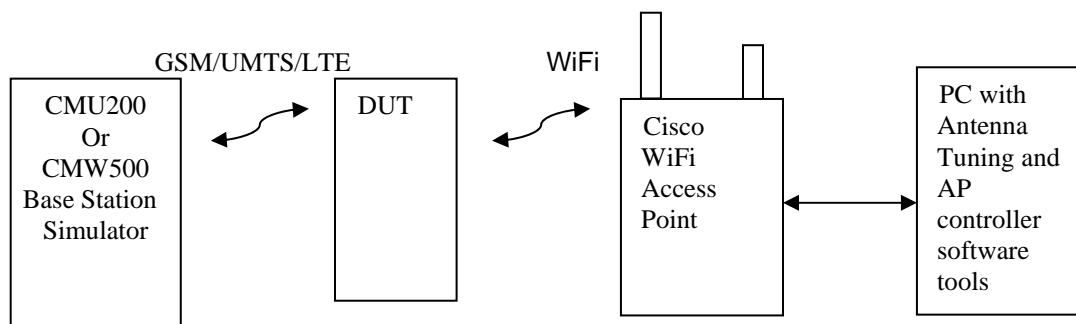


Figure 1.0 Single point screening test setup

2.0 Device Information

Model #		RHT181LW (STV100-2)			
FCC ID #		L6ARHT180LW			
DeviceType	Sample #	Device S/N	HW REV #	CPR #	Software Bundle
Radiated	9	1161791688	Rev 1	30429	AAC684
Radiated	10	1161791942	Rev 1	30429	AAC684

2.0 Single Point SAR Screening Test Data

BlackBerry Model: RHT181LW

Single Point SAR Screening for Antenna Tuning States

Measured SAR Values - Head -WCDMA/UMTS band V 850 MHz							
Channel	Freq. (MHz)	Position	Slider Position	Max. SAR (W/kg)	% delta from Closed Loop	Scan #	Comments
4182	836.4	Left Cheek	Closed	0.291	0.00	1	Closed Loop
				0.275	-5.50	2	Cap 1= Max C, Cap 2= Max C
				0.261	-10.31	3	Cap 1= Max C, Cap 2= Mid C
				0.242	-16.84	4	Cap 1= Max C, Cap 2= Min C
				0.217	-25.43	5	Cap 1= Mid C, Cap 2= Max C
				0.198	-31.96	6	Cap 1= Mid C, Cap 2= Mid C
				0.177	-39.18	7	Cap 1= Mid C, Cap 2= Min C
				0.157	-46.05	8	Cap 1= Min C, Cap 2= Max C
				0.140	-51.89	9	Cap 1= Min C, Cap 2= Mid C
				0.122	-58.08	10	Cap 1= Min C, Cap 2= Min C
4182	836.4	Left Tilt	Closed	0.210	0.00	1	Closed Loop
				0.176	-16.19	2	Cap 1= Max C, Cap 2= Max C
				0.171	-18.57	3	Cap 1= Max C, Cap 2= Mid C
				0.162	-22.86	4	Cap 1= Max C, Cap 2= Min C
				0.138	-34.29	5	Cap 1= Mid C, Cap 2= Max C
				0.129	-38.57	6	Cap 1= Mid C, Cap 2= Mid C
				0.118	-43.81	7	Cap 1= Mid C, Cap 2= Min C
				0.101	-51.90	8	Cap 1= Min C, Cap 2= Max C
				0.092	-56.00	9	Cap 1= Min C, Cap 2= Mid C
				0.084	-60.24	10	Cap 1= Min C, Cap 2= Min C
4182	836.4	Left Cheek	Open	0.241	0.00	1	Closed Loop
				0.223	-7.47	2	Cap 1= Max C, Cap 2= Max C
				0.228	-5.39	3	Cap 1= Max C, Cap 2= Mid C
				0.229	-4.98	4	Cap 1= Max C, Cap 2= Min C
				0.182	-24.48	5	Cap 1= Mid C, Cap 2= Max C
				0.181	-24.90	6	Cap 1= Mid C, Cap 2= Mid C
				0.177	-26.56	7	Cap 1= Mid C, Cap 2= Min C
				0.139	-42.32	8	Cap 1= Min C, Cap 2= Max C
				0.138	-42.74	9	Cap 1= Min C, Cap 2= Mid C
				0.132	-45.23	10	Cap 1= Min C, Cap 2= Min C
4182	836.4	Left Tilt	Open	0.184	0.00	1	Closed Loop
				0.132	-28.26	2	Cap 1= Max C, Cap 2= Max C
				0.133	-27.72	3	Cap 1= Max C, Cap 2= Mid C
				0.132	-28.26	4	Cap 1= Max C, Cap 2= Min C
				0.102	-44.57	5	Cap 1= Mid C, Cap 2= Max C
				0.102	-44.57	6	Cap 1= Mid C, Cap 2= Mid C
				0.100	-45.65	7	Cap 1= Mid C, Cap 2= Min C
				0.078	-57.83	8	Cap 1= Min C, Cap 2= Max C
				0.076	-58.53	9	Cap 1= Min C, Cap 2= Mid C
				0.074	-59.78	10	Cap 1= Min C, Cap 2= Min C

Single Point SAR Screening for Antenna Tuning States

Measured SAR Values - Head -WCDMA/UMTS band V 850 MHz							
Channel	Freq. (MHz)	Position	Slider Position	Max. SAR (W/kg)	% delta from Closed Loop	Scan #	Comments
4233	846.6	Right Cheek	Closed	0.364	0.00	1	Closed Loop
				0.339	-6.87	2	Cap 1= Max C, Cap 2= Max C
				0.326	-10.44	3	Cap 1= Max C, Cap 2= Mid C
				0.303	-16.76	4	Cap 1= Max C, Cap 2= Min C
				0.270	-25.82	5	Cap 1= Mid C, Cap 2= Max C
				0.248	-31.87	6	Cap 1= Mid C, Cap 2= Mid C
				0.221	-39.29	7	Cap 1 = Mid C, Cap 2= Min C
				0.195	-46.43	8	Cap 1= Min C, Cap 2= Max C
				0.175	-51.92	9	Cap 1= Min C, Cap 2= Mid C
				0.151	-58.52	10	Cap 1= Min C, Cap 2= Min C
4182	836.4	Right Tilt	Closed	0.224	0.00	1	Closed Loop
				0.212	-5.36	2	Cap 1= Max C, Cap 2= Max C
				0.209	-6.70	3	Cap 1= Max C, Cap 2= Mid C
				0.196	-12.50	4	Cap 1= Max C, Cap 2= Min C
				0.167	-25.45	5	Cap 1= Mid C, Cap 2= Max C
				0.156	-30.36	6	Cap 1= Mid C, Cap 2= Mid C
				0.144	-35.71	7	Cap 1 = Mid C, Cap 2= Min C
				0.121	-45.98	8	Cap 1= Min C, Cap 2= Max C
				0.109	-51.34	9	Cap 1= Min C, Cap 2= Mid C
				0.101	-54.91	10	Cap 1= Min C, Cap 2= Min C
4182	836.4	Right Cheek	Open	0.338	0.00	1	Closed Loop
				0.336	-0.59	2	Cap 1= Max C, Cap 2= Max C
				0.337	-0.30	3	Cap 1= Max C, Cap 2= Mid C
				0.304	-10.06	4	Cap 1= Max C, Cap 2= Min C
				0.265	-21.60	5	Cap 1= Mid C, Cap 2= Max C
				0.246	-27.22	6	Cap 1= Mid C, Cap 2= Mid C
				0.221	-34.62	7	Cap 1 = Mid C, Cap 2= Min C
				0.196	-42.01	8	Cap 1= Min C, Cap 2= Max C
				0.175	-48.22	9	Cap 1= Min C, Cap 2= Mid C
				0.153	-54.73	10	Cap 1= Min C, Cap 2= Min C
4182	836.4	Right Tilt	Open	0.182	0.00	1	Closed Loop
				0.146	-19.78	2	Cap 1= Max C, Cap 2= Max C
				0.148	-18.68	3	Cap 1= Max C, Cap 2= Mid C
				0.149	-18.13	4	Cap 1= Max C, Cap 2= Min C
				0.115	-36.81	5	Cap 1= Mid C, Cap 2= Max C
				0.116	-36.26	6	Cap 1= Mid C, Cap 2= Mid C
				0.114	-37.36	7	Cap 1 = Mid C, Cap 2= Min C
				0.087	-52.31	8	Cap 1= Min C, Cap 2= Max C
				0.087	-52.09	9	Cap 1= Min C, Cap 2= Mid C
				0.086	-52.97	10	Cap 1= Min C, Cap 2= Min C

Single Point SAR Screening for Antenna Tuning States

Measured SAR Values - Hotspot (10mm Spacing) - WCDMA/UMTS band V 850 MHz							
Channel	Freq. (MHz)	Position	Slider Position	Max. SAR (W/kg)	% delta from Closed Loop	Scan #	Comments
4182	836.4	10mm Back	Closed	0.479	0.00	1	Closed Loop
				0.464	-3.13	2	Cap 1= Max C, Cap 2= Max C
				0.451	-5.85	3	Cap 1= Max C, Cap 2= Mid C
				0.457	-4.59	4	Cap 1= Max C, Cap 2= Min C
				0.390	-18.58	5	Cap 1= Mid C, Cap 2= Max C
				0.373	-22.13	6	Cap 1= Mid C, Cap 2= Mid C
				0.359	-25.05	7	Cap 1= Mid C, Cap 2= Min C
				0.291	-39.25	8	Cap 1= Min C, Cap 2= Max C
				0.305	-36.33	9	Cap 1= Min C, Cap 2= Mid C
				0.074	-84.53	10	Cap 1= Min C, Cap 2= Min C
4182	836.4	10mm Front	Closed	0.379	0.00	1	Closed Loop
				0.377	-0.53	2	Cap 1= Max C, Cap 2= Max C
				0.366	-3.43	3	Cap 1= Max C, Cap 2= Mid C
				0.344	-9.23	4	Cap 1= Max C, Cap 2= Min C
				0.309	-18.47	5	Cap 1= Mid C, Cap 2= Max C
				0.287	-24.27	6	Cap 1= Mid C, Cap 2= Mid C
				0.260	-31.40	7	Cap 1= Mid C, Cap 2= Min C
				0.230	-39.31	8	Cap 1= Min C, Cap 2= Max C
				0.210	-44.59	9	Cap 1= Min C, Cap 2= Mid C
				0.186	-50.92	10	Cap 1= Min C, Cap 2= Min C
4233	846.6	10mm Back	Open	0.686	0.00	1	Closed Loop
				0.516	-24.78	2	Cap 1= Max C, Cap 2= Max C
				0.501	-26.97	3	Cap 1= Max C, Cap 2= Mid C
				0.440	-35.86	4	Cap 1= Max C, Cap 2= Min C
				0.153	-77.70	5	Cap 1= Mid C, Cap 2= Max C
				0.137	-80.03	6	Cap 1= Mid C, Cap 2= Mid C
				0.122	-82.22	7	Cap 1= Mid C, Cap 2= Min C
				0.109	-84.11	8	Cap 1= Min C, Cap 2= Max C
				0.095	-86.11	9	Cap 1= Min C, Cap 2= Mid C
				0.080	-88.34	10	Cap 1= Min C, Cap 2= Min C
4182	836.4	10mm Front	Open	0.417	0.00	1	Closed Loop
				0.348	-16.55	2	Cap 1= Max C, Cap 2= Max C
				0.351	-15.83	3	Cap 1= Max C, Cap 2= Mid C
				0.345	-17.27	4	Cap 1= Max C, Cap 2= Min C
				0.278	-33.33	5	Cap 1= Mid C, Cap 2= Max C
				0.276	-33.81	6	Cap 1= Mid C, Cap 2= Mid C
				0.268	-35.73	7	Cap 1= Mid C, Cap 2= Min C
				0.213	-48.92	8	Cap 1= Min C, Cap 2= Max C
				0.208	-50.12	9	Cap 1= Min C, Cap 2= Mid C
				0.199	-52.28	10	Cap 1= Min C, Cap 2= Min C

Single Point SAR Screening for Antenna Tuning States

Measured SAR Values - Hotspot (10mm Spacing) - WCDMA/UMTS band V 850 MHz							
Channel	Freq. (MHz)	Position	Slider Position	Max. SAR (W/kg)	% delta from Closed Loop	Scan #	Comments
4182	836.4	10mm Left	Closed	0.261	0.00	1	Closed Loop
				0.260	-0.38	2	Cap 1= Max C, Cap 2= Max C
				0.246	-5.75	3	Cap 1= Max C, Cap 2= Mid C
				0.229	-12.26	4	Cap 1= Max C, Cap 2= Min C
				0.205	-21.46	5	Cap 1= Mid C, Cap 2= Max C
				0.189	-27.59	6	Cap 1= Mid C, Cap 2= Mid C
				0.169	-35.25	7	Cap 1= Mid C, Cap 2= Min C
				0.148	-43.30	8	Cap 1= Min C, Cap 2= Max C
				0.133	-49.04	9	Cap 1= Min C, Cap 2= Mid C
				0.036	-86.17	10	Cap 1= Min C, Cap 2= Min C
4182	836.4	10mm Right	Closed	0.477	0.00	1	Closed Loop
				0.471	-1.26	2	Cap 1= Max C, Cap 2= Max C
				0.473	-0.84	3	Cap 1= Max C, Cap 2= Mid C
				0.465	-2.52	4	Cap 1= Max C, Cap 2= Min C
				0.402	-15.72	5	Cap 1= Mid C, Cap 2= Max C
				0.391	-18.03	6	Cap 1= Mid C, Cap 2= Mid C
				0.370	-22.43	7	Cap 1= Mid C, Cap 2= Min C
				0.306	-35.85	8	Cap 1= Min C, Cap 2= Max C
				0.294	-38.36	9	Cap 1= Min C, Cap 2= Mid C
				0.093	-80.42	10	Cap 1= Min C, Cap 2= Min C
4182	836.4	10mm Left	Open	0.195	0.00	1	Closed Loop
				0.190	-2.56	2	Cap 1= Max C, Cap 2= Max C
				0.194	-0.51	3	Cap 1= Max C, Cap 2= Mid C
				0.194	-0.51	4	Cap 1= Max C, Cap 2= Min C
				0.155	-20.51	5	Cap 1= Mid C, Cap 2= Max C
				0.153	-21.54	6	Cap 1= Mid C, Cap 2= Mid C
				0.147	-24.62	7	Cap 1= Mid C, Cap 2= Min C
				0.116	-40.51	8	Cap 1= Min C, Cap 2= Max C
				0.113	-42.05	9	Cap 1= Min C, Cap 2= Mid C
				0.109	-44.10	10	Cap 1= Min C, Cap 2= Min C
4182	836.4	10mm Right	Open	0.341	0.00	1	Closed Loop
				0.319	-6.45	2	Cap 1= Max C, Cap 2= Max C
				0.330	-3.23	3	Cap 1= Max C, Cap 2= Mid C
				0.337	-1.17	4	Cap 1= Max C, Cap 2= Min C
				0.259	-24.05	5	Cap 1= Mid C, Cap 2= Max C
				0.266	-21.99	6	Cap 1= Mid C, Cap 2= Mid C
				0.266	-21.99	7	Cap 1= Mid C, Cap 2= Min C
				0.201	-41.06	8	Cap 1= Min C, Cap 2= Max C
				0.204	-40.18	9	Cap 1= Min C, Cap 2= Mid C
				0.203	-40.47	10	Cap 1= Min C, Cap 2= Min C

Single Point SAR Screening for Antenna Tuning States

Measured SAR Values - Hotspot (10mm Spacing) - WCDMA/UMTS band V 850 MHz							
Channel	Freq. (MHz)	Position	Slider Position	Max. SAR (W/kg)	% delta from Closed Loop	Scan #	Comments
4182	836.4	10mm Bottom	Closed	0.475	0.00	1	Closed Loop
				0.468	-1.47	2	Cap 1= Max C, Cap 2= Max C
				0.461	-2.95	3	Cap 1= Max C, Cap 2= Mid C
				0.420	-11.58	4	Cap 1= Max C, Cap 2= Min C
				0.435	-8.42	5	Cap 1= Mid C, Cap 2= Max C
				0.434	-8.63	6	Cap 1= Mid C, Cap 2= Mid C
				0.336	-29.26	7	Cap 1 = Mid C, Cap 2= Min C
				0.407	-14.32	8	Cap 1= Min C, Cap 2= Max C
				0.286	-39.79	9	Cap 1= Min C, Cap 2= Mid C
				0.161	-66.11	10	Cap 1= Min C, Cap 2= Min C
4182	836.4	10mm Bottom	Open	0.480	0.00	1	Closed Loop
				0.480	0.00	2	Cap 1= Max C, Cap 2= Max C
				0.468	-2.50	3	Cap 1= Max C, Cap 2= Mid C
				0.471	-1.88	4	Cap 1= Max C, Cap 2= Min C
				0.408	-15.00	5	Cap 1= Mid C, Cap 2= Max C
				0.383	-20.21	6	Cap 1= Mid C, Cap 2= Mid C
				0.343	-28.54	7	Cap 1 = Mid C, Cap 2= Min C
				0.312	-35.00	8	Cap 1= Min C, Cap 2= Max C
				0.279	-41.88	9	Cap 1= Min C, Cap 2= Mid C
				0.242	-49.58	10	Cap 1= Min C, Cap 2= Min C

Single Point SAR Screening for Antenna Tuning States

Measured SAR Values - Body-Worn (15mm Spacing) -WCDMA/UMTS band V 850 MHz							
Channel	Freq. (MHz)	Position	Slider Position	Max. SAR (W/kg)	% delta from Closed Loop	Scan #	Comments
4132	826.4	15mm Back	Closed	0.315	0.00	1	Closed Loop
				0.306	-2.86	2	Cap 1= Max C, Cap 2= Max C
				0.311	-1.27	3	Cap 1= Max C, Cap 2= Mid C
				0.310	-1.59	4	Cap 1= Max C, Cap 2= Min C
				0.247	-21.59	5	Cap 1= Mid C, Cap 2= Max C
				0.247	-21.59	6	Cap 1= Mid C, Cap 2= Mid C
				0.239	-24.13	7	Cap 1= Mid C, Cap 2= Min C
				0.193	-38.73	8	Cap 1= Min C, Cap 2= Max C
				0.187	-40.63	9	Cap 1= Min C, Cap 2= Mid C
				0.156	-50.48	10	Cap 1= Min C, Cap 2= Min C
4182	836.4	15mm Front	Closed	0.375	0.00	1	Closed Loop
				0.372	-0.80	2	Cap 1= Max C, Cap 2= Max C
				0.363	-3.20	3	Cap 1= Max C, Cap 2= Mid C
				0.352	-6.13	4	Cap 1= Max C, Cap 2= Min C
				0.307	-18.13	5	Cap 1= Mid C, Cap 2= Max C
				0.294	-21.60	6	Cap 1= Mid C, Cap 2= Mid C
				0.271	-27.73	7	Cap 1= Mid C, Cap 2= Min C
				0.234	-37.60	8	Cap 1= Min C, Cap 2= Max C
				0.216	-42.40	9	Cap 1= Min C, Cap 2= Mid C
				0.194	-48.27	10	Cap 1= Min C, Cap 2= Min C

Device Model	RHT181LW (STV100-2)
Hardware Rev. #	Rev 1
Software Bundle #	AAC684
Date	10/09-22/2015

Single Point SAR Screening for Antenna Tuning States

Measured SAR Values - Head - GSM/EDGE/DTM 850 MHz							
Channel	Freq. (MHz)	Position	Slider Position	Max. SAR (W/kg)	% delta from Closed Loop	Scan #	Comments
190	836.6	Left Cheek	Closed	0.262	0.00	1	Closed Loop
				0.251	-4.20	2	Cap 1= Max C, Cap 2= Max C
				0.240	-8.40	3	Cap 1= Max C, Cap 2= Mid C
				0.223	-14.89	4	Cap 1= Max C, Cap 2= Min C
				0.171	-34.73	5	Cap 1= Mid C, Cap 2= Max C
				0.155	-40.84	6	Cap 1= Mid C, Cap 2= Mid C
				0.137	-47.71	7	Cap 1= Mid C, Cap 2= Min C
				0.109	-58.40	8	Cap 1= Min C, Cap 2= Max C
				0.096	-61.83	9	Cap 1= Min C, Cap 2= Mid C
				0.082	-68.89	10	Cap 1= Min C, Cap 2= Min C
190	836.6	Left Tilt	Closed	0.199	0.00	1	Closed Loop
				0.188	-5.53	2	Cap 1= Max C, Cap 2= Max C
				0.183	-8.04	3	Cap 1= Max C, Cap 2= Mid C
				0.176	-11.56	4	Cap 1= Max C, Cap 2= Min C
				0.127	-36.18	5	Cap 1= Mid C, Cap 2= Max C
				0.118	-40.70	6	Cap 1= Mid C, Cap 2= Mid C
				0.071	-64.12	7	Cap 1= Mid C, Cap 2= Min C
				0.056	-71.91	8	Cap 1= Min C, Cap 2= Max C
				0.050	-74.72	9	Cap 1= Min C, Cap 2= Mid C
				0.045	-77.39	10	Cap 1= Min C, Cap 2= Min C
190	836.6	Left Cheek	Open	0.215	0.00	1	Closed Loop
				0.189	-12.09	2	Cap 1= Max C, Cap 2= Max C
				0.199	-7.44	3	Cap 1= Max C, Cap 2= Mid C
				0.204	-5.12	4	Cap 1= Max C, Cap 2= Min C
				0.142	-33.95	5	Cap 1= Mid C, Cap 2= Max C
				0.147	-31.63	6	Cap 1= Mid C, Cap 2= Mid C
				0.142	-33.95	7	Cap 1= Mid C, Cap 2= Min C
				0.104	-51.63	8	Cap 1= Min C, Cap 2= Max C
				0.102	-52.56	9	Cap 1= Min C, Cap 2= Mid C
				0.096	-55.58	10	Cap 1= Min C, Cap 2= Min C
190	836.6	Left Tilt	Open	0.118	0.00	1	Closed Loop
				0.101	-14.41	2	Cap 1= Max C, Cap 2= Max C
				0.104	-11.86	3	Cap 1= Max C, Cap 2= Mid C
				0.105	-11.02	4	Cap 1= Max C, Cap 2= Min C
				0.073	-37.80	5	Cap 1= Mid C, Cap 2= Max C
				0.075	-36.86	6	Cap 1= Mid C, Cap 2= Mid C
				0.073	-38.05	7	Cap 1= Mid C, Cap 2= Min C
				0.052	-56.36	8	Cap 1= Min C, Cap 2= Max C
				0.052	-48.71	9	Cap 1= Min C, Cap 2= Mid C
				0.050	-58.05	10	Cap 1= Min C, Cap 2= Min C

Single Point SAR Screening for Antenna Tuning States

Measured SAR Values - Head - GSM/EDGE/DTM 850 MHz							
Channel	Freq. (MHz)	Position	Slider Position	Max. SAR (W/kg)	% delta from Closed Loop	Scan #	Comments
251	848.8	Right Cheek	Closed	0.435	0.00	1	Closed Loop
				0.427	-1.84	2	Cap 1= Max C, Cap 2= Max C
				0.406	-6.67	3	Cap 1= Max C, Cap 2= Mid C
				0.363	-16.55	4	Cap 1= Max C, Cap 2= Min C
				0.298	-31.49	5	Cap 1= Mid C, Cap 2= Max C
				0.248	-42.99	6	Cap 1= Mid C, Cap 2= Mid C
				0.200	-54.02	7	Cap 1 = Mid C, Cap 2= Min C
				0.177	-59.31	8	Cap 1= Min C, Cap 2= Max C
				0.141	-67.59	9	Cap 1= Min C, Cap 2= Mid C
				0.111	-74.48	10	Cap 1= Min C, Cap 2= Min C
190	836.8	Right Tilt	Closed	0.183	0.00	1	Closed Loop
				0.181	-1.09	2	Cap 1= Max C, Cap 2= Max C
				0.180	-1.64	3	Cap 1= Max C, Cap 2= Mid C
				0.172	-6.01	4	Cap 1= Max C, Cap 2= Min C
				0.124	-32.24	5	Cap 1= Mid C, Cap 2= Max C
				0.117	-36.07	6	Cap 1= Mid C, Cap 2= Mid C
				0.106	-42.08	7	Cap 1 = Mid C, Cap 2= Min C
				0.082	-55.46	8	Cap 1= Min C, Cap 2= Max C
				0.076	-58.52	9	Cap 1= Min C, Cap 2= Mid C
				0.067	-63.28	10	Cap 1= Min C, Cap 2= Min C
190	836.8	Right Cheek	Open	0.220	0.00	1	Closed Loop
				0.206	-6.36	2	Cap 1= Max C, Cap 2= Max C
				0.214	-2.73	3	Cap 1= Max C, Cap 2= Mid C
				0.219	-0.45	4	Cap 1= Max C, Cap 2= Min C
				0.151	-31.36	5	Cap 1= Mid C, Cap 2= Max C
				0.153	-30.45	6	Cap 1= Mid C, Cap 2= Mid C
				0.152	-30.91	7	Cap 1 = Mid C, Cap 2= Min C
				0.108	-50.91	8	Cap 1= Min C, Cap 2= Max C
				0.142	-31.07	9	Cap 1= Min C, Cap 2= Mid C
				0.103	-53.18	10	Cap 1= Min C, Cap 2= Min C
190	836.8	Right Tilt	Open	0.114	0.00	1	Closed Loop
				0.109	-4.39	2	Cap 1= Max C, Cap 2= Max C
				0.111	-2.63	3	Cap 1= Max C, Cap 2= Mid C
				0.112	-1.75	4	Cap 1= Max C, Cap 2= Min C
				0.077	-32.54	5	Cap 1= Mid C, Cap 2= Max C
				0.078	-31.49	6	Cap 1= Mid C, Cap 2= Mid C
				0.078	-31.93	7	Cap 1 = Mid C, Cap 2= Min C
				0.054	-52.89	8	Cap 1= Min C, Cap 2= Max C
				0.054	-52.89	9	Cap 1= Min C, Cap 2= Mid C
				0.052	-54.39	10	Cap 1= Min C, Cap 2= Min C

Single Point SAR Screening for Antenna Tuning States

Measured SAR Values - Hotspot (10mm Spacing) - GSM/EDGE/DTM 850 MHz							
Channel	Freq. (MHz)	Position	Slider Position	Max. SAR (W/kg)	% delta from Closed Loop	Scan #	Comments
190	836.6	10mm Back	Closed	0.487	0.00	1	Closed Loop
				0.484	-0.62	2	Cap 1= Max C, Cap 2= Max C
				0.481	-1.23	3	Cap 1= Max C, Cap 2= Mid C
				0.451	-7.39	4	Cap 1= Max C, Cap 2= Min C
				0.342	-29.77	5	Cap 1= Mid C, Cap 2= Max C
				0.327	-32.85	6	Cap 1= Mid C, Cap 2= Mid C
				0.291	-40.25	7	Cap 1= Mid C, Cap 2= Min C
				0.232	-52.36	8	Cap 1= Min C, Cap 2= Max C
				0.204	-58.11	9	Cap 1= Min C, Cap 2= Mid C
				0.175	-64.07	10	Cap 1= Min C, Cap 2= Min C
190	836.6	10mm Front	Closed	0.448	0.00	1	Closed Loop
				0.370	-17.41	2	Cap 1= Max C, Cap 2= Max C
				0.359	-19.87	3	Cap 1= Max C, Cap 2= Mid C
				0.334	-25.45	4	Cap 1= Max C, Cap 2= Min C
				0.251	-43.97	5	Cap 1= Mid C, Cap 2= Max C
				0.230	-48.66	6	Cap 1= Mid C, Cap 2= Mid C
				0.198	-55.80	7	Cap 1= Mid C, Cap 2= Min C
				0.163	-63.62	8	Cap 1= Min C, Cap 2= Max C
				0.144	-67.86	9	Cap 1= Min C, Cap 2= Mid C
				0.120	-73.21	10	Cap 1= Min C, Cap 2= Min C
190	836.6	10mm Back	Open	0.695	0.00	1	Closed Loop
				0.644	-7.34	2	Cap 1= Max C, Cap 2= Max C
				0.658	-5.32	3	Cap 1= Max C, Cap 2= Mid C
				0.652	-6.19	4	Cap 1= Max C, Cap 2= Min C
				0.467	-32.81	5	Cap 1= Mid C, Cap 2= Max C
				0.454	-34.68	6	Cap 1= Mid C, Cap 2= Mid C
				0.427	-38.56	7	Cap 1= Mid C, Cap 2= Min C
				0.324	-53.38	8	Cap 1= Min C, Cap 2= Max C
				0.297	-57.27	9	Cap 1= Min C, Cap 2= Mid C
				0.272	-60.86	10	Cap 1= Min C, Cap 2= Min C
190	836.6	10mm Front	Open	0.456	0.00	1	Closed Loop
				0.397	-12.94	2	Cap 1= Max C, Cap 2= Max C
				0.442	-3.07	3	Cap 1= Max C, Cap 2= Mid C
				0.412	-9.65	4	Cap 1= Max C, Cap 2= Min C
				0.318	-30.26	5	Cap 1= Mid C, Cap 2= Max C
				0.290	-36.40	6	Cap 1= Mid C, Cap 2= Mid C
				0.255	-44.08	7	Cap 1= Mid C, Cap 2= Min C
				0.205	-55.04	8	Cap 1= Min C, Cap 2= Max C
				0.181	-60.31	9	Cap 1= Min C, Cap 2= Mid C
				0.154	-66.23	10	Cap 1= Min C, Cap 2= Min C

Single Point SAR Screening for Antenna Tuning States

Measured SAR Values - Hotspot (10mm Spacing) - GSM/EDGE/DTM 850 MHz							
Channel	Freq. (MHz)	Position	Slider Position	Max. SAR (W/kg)	% delta from Closed Loop	Scan #	Comments
190	836.6	10mm Left	Closed	0.325	0.00	1	Closed Loop
				0.325	0.00	2	Cap 1= Max C, Cap 2= Max C
				0.318	-2.15	3	Cap 1= Max C, Cap 2= Mid C
				0.296	-8.92	4	Cap 1= Max C, Cap 2= Min C
				0.221	-32.00	5	Cap 1= Mid C, Cap 2= Max C
				0.198	-39.08	6	Cap 1= Mid C, Cap 2= Mid C
				0.172	-47.08	7	Cap 1= Mid C, Cap 2= Min C
				0.134	-58.77	8	Cap 1= Min C, Cap 2= Max C
				0.122	-62.46	9	Cap 1= Min C, Cap 2= Mid C
				0.018	-94.46	10	Cap 1= Min C, Cap 2= Min C
190	836.6	10mm Right	Closed	0.493	0.00	1	Closed Loop
				0.463	-6.09	2	Cap 1= Max C, Cap 2= Max C
				0.492	-0.20	3	Cap 1= Max C, Cap 2= Mid C
				0.489	-0.81	4	Cap 1= Max C, Cap 2= Min C
				0.355	-27.99	5	Cap 1= Mid C, Cap 2= Max C
				0.367	-25.56	6	Cap 1= Mid C, Cap 2= Mid C
				0.355	-27.99	7	Cap 1= Mid C, Cap 2= Min C
				0.255	-48.28	8	Cap 1= Min C, Cap 2= Max C
				0.247	-49.90	9	Cap 1= Min C, Cap 2= Mid C
				0.093	-81.16	10	Cap 1= Min C, Cap 2= Min C
190	836.6	10mm Left	Open	0.223	0.00	1	Closed Loop
				0.197	-11.66	2	Cap 1= Max C, Cap 2= Max C
				0.203	-8.97	3	Cap 1= Max C, Cap 2= Mid C
				0.212	-4.93	4	Cap 1= Max C, Cap 2= Min C
				0.150	-32.74	5	Cap 1= Mid C, Cap 2= Max C
				0.154	-30.94	6	Cap 1= Mid C, Cap 2= Mid C
				0.151	-32.29	7	Cap 1= Mid C, Cap 2= Min C
				0.107	-52.02	8	Cap 1= Min C, Cap 2= Max C
				0.114	-48.88	9	Cap 1= Min C, Cap 2= Mid C
				0.101	-54.71	10	Cap 1= Min C, Cap 2= Min C
190	836.6	10mm Right	Open	0.340	0.00	1	Closed Loop
				0.336	-1.18	2	Cap 1= Max C, Cap 2= Max C
				0.336	-1.18	3	Cap 1= Max C, Cap 2= Mid C
				0.336	-1.18	4	Cap 1= Max C, Cap 2= Min C
				0.265	-22.06	5	Cap 1= Mid C, Cap 2= Max C
				0.254	-25.29	6	Cap 1= Mid C, Cap 2= Mid C
				0.233	-31.47	7	Cap 1= Mid C, Cap 2= Min C
				0.230	-32.35	8	Cap 1= Min C, Cap 2= Max C
				0.191	-43.82	9	Cap 1= Min C, Cap 2= Mid C
				0.146	-57.06	10	Cap 1= Min C, Cap 2= Min C

Single Point SAR Screening for Antenna Tuning States

Measured SAR Values - Hotspot (10mm Spacing) - GSM/EDGE/DTM 850 MHz							
Channel	Freq. (MHz)	Position	Slider Position	Max. SAR (W/kg)	% delta from Closed Loop	Scan #	Comments
190	836.6	10mm Bottom	Closed	0.459	0.00	1	Closed Loop
				0.431	-6.10	2	Cap 1= Max C, Cap 2= Max C
				0.427	-6.97	3	Cap 1= Max C, Cap 2= Mid C
				0.419	-8.71	4	Cap 1= Max C, Cap 2= Min C
				0.340	-25.93	5	Cap 1= Mid C, Cap 2= Max C
				0.305	-33.55	6	Cap 1= Mid C, Cap 2= Mid C
				0.270	-41.18	7	Cap 1 = Mid C, Cap 2= Min C
				0.214	-53.38	8	Cap 1= Min C, Cap 2= Max C
				0.210	-54.25	9	Cap 1= Min C, Cap 2= Mid C
				0.158	-65.58	10	Cap 1= Min C, Cap 2= Min C
190	836.6	10mm Bottom	Open	0.527	0.00	1	Closed Loop
				0.498	-5.50	2	Cap 1= Max C, Cap 2= Max C
				0.497	-5.69	3	Cap 1= Max C, Cap 2= Mid C
				0.506	-3.98	4	Cap 1= Max C, Cap 2= Min C
				0.392	-25.62	5	Cap 1= Mid C, Cap 2= Max C
				0.382	-27.51	6	Cap 1= Mid C, Cap 2= Mid C
				0.352	-33.21	7	Cap 1 = Mid C, Cap 2= Min C
				0.265	-49.72	8	Cap 1= Min C, Cap 2= Max C
				0.260	-50.66	9	Cap 1= Min C, Cap 2= Mid C
				0.233	-55.79	10	Cap 1= Min C, Cap 2= Min C

Single Point SAR Screening for Antenna Tuning States

Measured SAR Values - Body-Worn (15mm Spacing) - GSM/EDGE/DTM 850 MHz							
Channel	Freq. (MHz)	Position	Slider Position	Max. SAR (W/kg)	% delta from Closed Loop	Scan #	Comments
190	836.6	15mm Back	Closed	0.267	0.00	1	Closed Loop
				0.265	-0.75	2	Cap 1= Max C, Cap 2= Max C
				0.262	-1.87	3	Cap 1= Max C, Cap 2= Mid C
				0.252	-4.91	4	Cap 1= Max C, Cap 2= Min C
				0.192	-28.09	5	Cap 1= Mid C, Cap 2= Max C
				0.180	-32.58	6	Cap 1= Mid C, Cap 2= Mid C
				0.162	-39.33	7	Cap 1= Mid C, Cap 2= Min C
				0.126	-52.81	8	Cap 1= Min C, Cap 2= Max C
				0.115	-56.93	9	Cap 1= Min C, Cap 2= Mid C
				0.100	-62.55	10	Cap 1= Min C, Cap 2= Min C
251	848.8	15mm Front	Closed	0.401	0.00	1	Closed Loop
				0.401	0.00	2	Cap 1= Max C, Cap 2= Max C
				0.385	-3.99	3	Cap 1= Max C, Cap 2= Mid C
				0.348	-13.22	4	Cap 1= Max C, Cap 2= Min C
				0.289	-27.93	5	Cap 1= Mid C, Cap 2= Max C
				0.245	-38.90	6	Cap 1= Mid C, Cap 2= Mid C
				0.207	-48.38	7	Cap 1= Mid C, Cap 2= Min C
				0.175	-56.36	8	Cap 1= Min C, Cap 2= Max C
				0.141	-64.84	9	Cap 1= Min C, Cap 2= Mid C
				0.112	-72.07	10	Cap 1= Min C, Cap 2= Min C

Device Model	RHT181LW (STV100-2)
Hardware Rev. #	Rev 1
Software Bundle #	AAC684
Date	10/9-22/2015

Single Point SAR Screening for Antenna Tuning States

Measured SAR Values - Head - LTE Band 5 850 MHz (BW 10 MHz)							
Channel	Freq. (MHz)	Position	Slider Position	Max. SAR (W/kg)	% delta from Closed Loop	Scan #	Comments
20525	836.5	Left Cheek	Closed	0.266	0.00	1	Closed Loop
				0.253	-4.89	2	Cap 1= Max C, Cap 2= Max C
				0.252	-5.26	3	Cap 1= Max C, Cap 2= Mid C
				0.241	-9.40	4	Cap 1= Max C, Cap 2= Min C
				0.203	-23.68	5	Cap 1= Mid C, Cap 2= Max C
				0.195	-26.69	6	Cap 1= Mid C, Cap 2= Mid C
				0.181	-31.95	7	Cap 1 = Mid C, Cap 2= Min C
				0.155	-41.73	8	Cap 1= Min C, Cap 2= Max C
				0.145	-45.49	9	Cap 1= Min C, Cap 2= Mid C
				0.133	-50.00	10	Cap 1= Min C, Cap 2= Min C
20525	836.5	Left Tilt	Closed	0.155	0.00	1	Closed Loop
				0.154	-0.65	2	Cap 1= Max C, Cap 2= Max C
				0.153	-1.29	3	Cap 1= Max C, Cap 2= Mid C
				0.150	-3.23	4	Cap 1= Max C, Cap 2= Min C
				0.120	-22.58	5	Cap 1= Mid C, Cap 2= Max C
				0.120	-22.58	6	Cap 1= Mid C, Cap 2= Mid C
				0.114	-26.45	7	Cap 1 = Mid C, Cap 2= Min C
				0.092	-40.39	8	Cap 1= Min C, Cap 2= Max C
				0.090	-42.19	9	Cap 1= Min C, Cap 2= Mid C
				0.083	-46.45	10	Cap 1= Min C, Cap 2= Min C
20525	836.5	Left Cheek	Open	0.195	0.00	1	Closed Loop
				0.175	-10.26	2	Cap 1= Max C, Cap 2= Max C
				0.184	-5.64	3	Cap 1= Max C, Cap 2= Mid C
				0.194	-0.51	4	Cap 1= Max C, Cap 2= Min C
				0.144	-26.15	5	Cap 1= Mid C, Cap 2= Max C
				0.152	-22.05	6	Cap 1= Mid C, Cap 2= Mid C
				0.161	-17.44	7	Cap 1 = Mid C, Cap 2= Min C
				0.117	-40.00	8	Cap 1= Min C, Cap 2= Max C
				0.123	-36.92	9	Cap 1= Min C, Cap 2= Mid C
				0.124	-36.41	10	Cap 1= Min C, Cap 2= Min C
20525	836.5	Left Tilt	Open	0.121	0.00	1	Closed Loop
				0.107	-11.57	2	Cap 1= Max C, Cap 2= Max C
				0.114	-5.79	3	Cap 1= Max C, Cap 2= Mid C
				0.120	-0.83	4	Cap 1= Max C, Cap 2= Min C
				0.090	-25.29	5	Cap 1= Mid C, Cap 2= Max C
				0.094	-22.64	6	Cap 1= Mid C, Cap 2= Mid C
				0.096	-20.66	7	Cap 1 = Mid C, Cap 2= Min C
				0.070	-42.48	8	Cap 1= Min C, Cap 2= Max C
				0.072	-40.17	9	Cap 1= Min C, Cap 2= Mid C
				0.076	-37.44	10	Cap 1= Min C, Cap 2= Min C

Single Point SAR Screening for Antenna Tuning States

Measured SAR Values - Head - LTE Band 5 850 MHz (BW 10 MHz)							
Channel	Freq. (MHz)	Position	Slider Position	Max. SAR (W/kg)	% delta from Closed Loop	Scan #	Comments
20600	844.0	Right Cheek	Closed	0.332	0.00	1	Closed Loop
				0.331	-0.30	2	Cap 1= Max C, Cap 2= Max C
				0.308	-7.23	3	Cap 1= Max C, Cap 2= Mid C
				0.276	-16.87	4	Cap 1= Max C, Cap 2= Min C
				0.266	-19.88	5	Cap 1= Mid C, Cap 2= Max C
				0.231	-30.42	6	Cap 1= Mid C, Cap 2= Mid C
				0.193	-41.87	7	Cap 1 = Mid C, Cap 2= Min C
				0.187	-43.67	8	Cap 1= Min C, Cap 2= Max C
				0.159	-52.11	9	Cap 1= Min C, Cap 2= Mid C
				0.127	-61.75	10	Cap 1= Min C, Cap 2= Min C
20525	836.5	Right Tilt	Closed	0.191	0.00	1	Closed Loop
				0.190	-0.52	2	Cap 1= Max C, Cap 2= Max C
				0.191	0.00	3	Cap 1= Max C, Cap 2= Mid C
				0.187	-2.09	4	Cap 1= Max C, Cap 2= Min C
				0.154	-19.37	5	Cap 1= Mid C, Cap 2= Max C
				0.151	-20.94	6	Cap 1= Mid C, Cap 2= Mid C
				0.147	-23.04	7	Cap 1 = Mid C, Cap 2= Min C
				0.117	-38.74	8	Cap 1= Min C, Cap 2= Max C
				0.113	-40.84	9	Cap 1= Min C, Cap 2= Mid C
				0.105	-45.03	10	Cap 1= Min C, Cap 2= Min C
20525	836.5	Right Cheek	Open	0.235	0.00	1	Closed Loop
				0.213	-9.36	2	Cap 1= Max C, Cap 2= Max C
				0.225	-4.26	3	Cap 1= Max C, Cap 2= Mid C
				0.234	-0.43	4	Cap 1= Max C, Cap 2= Min C
				0.180	-23.40	5	Cap 1= Mid C, Cap 2= Max C
				0.188	-20.00	6	Cap 1= Mid C, Cap 2= Mid C
				0.193	-17.87	7	Cap 1 = Mid C, Cap 2= Min C
				0.145	-38.30	8	Cap 1= Min C, Cap 2= Max C
				0.151	-35.74	9	Cap 1= Min C, Cap 2= Mid C
				0.153	-34.89	10	Cap 1= Min C, Cap 2= Min C
20525	836.5	Right Tilt	Open	0.129	0.00	1	Closed Loop
				0.117	-9.30	2	Cap 1= Max C, Cap 2= Max C
				0.122	-5.43	3	Cap 1= Max C, Cap 2= Mid C
				0.127	-1.55	4	Cap 1= Max C, Cap 2= Min C
				0.095	-26.43	5	Cap 1= Mid C, Cap 2= Max C
				0.102	-20.93	6	Cap 1= Mid C, Cap 2= Mid C
				0.104	-19.38	7	Cap 1 = Mid C, Cap 2= Min C
				0.075	-42.02	8	Cap 1= Min C, Cap 2= Max C
				0.080	-37.91	9	Cap 1= Min C, Cap 2= Mid C
				0.081	-36.90	10	Cap 1= Min C, Cap 2= Min C

Single Point SAR Screening for Antenna Tuning States

Measured SAR Values - Hotspot (10mm Spacing) - LTE Band 5 850 MHz (BW 10 MHz)							
Channel	Freq. (MHz)	Position	Slider Position	Max. SAR (W/kg)	% delta from Closed Loop	Scan #	Comments
20525	836.5	10mm Back	Closed	0.366	0.00	1	Closed Loop
				0.364	-0.55	2	Cap 1= Max C, Cap 2= Max C
				0.359	-1.91	3	Cap 1= Max C, Cap 2= Mid C
				0.349	-4.64	4	Cap 1= Max C, Cap 2= Min C
				0.297	-18.85	5	Cap 1= Mid C, Cap 2= Max C
				0.286	-21.86	6	Cap 1= Mid C, Cap 2= Mid C
				0.266	-27.32	7	Cap 1= Mid C, Cap 2= Min C
				0.228	-37.70	8	Cap 1= Min C, Cap 2= Max C
				0.212	-42.08	9	Cap 1= Min C, Cap 2= Mid C
				0.192	-47.54	10	Cap 1= Min C, Cap 2= Min C
20525	836.5	10mm Front	Closed	0.328	0.00	1	Closed Loop
				0.325	-0.91	2	Cap 1= Max C, Cap 2= Max C
				0.321	-2.13	3	Cap 1= Max C, Cap 2= Mid C
				0.314	-4.27	4	Cap 1= Max C, Cap 2= Min C
				0.271	-17.38	5	Cap 1= Mid C, Cap 2= Max C
				0.253	-22.87	6	Cap 1= Mid C, Cap 2= Mid C
				0.240	-26.83	7	Cap 1= Mid C, Cap 2= Min C
				0.199	-39.33	8	Cap 1= Min C, Cap 2= Max C
				0.186	-43.29	9	Cap 1= Min C, Cap 2= Mid C
				0.170	-48.17	10	Cap 1= Min C, Cap 2= Min C
20525	836.5	10mm Back	Open	0.533	0.00	1	Closed Loop
				0.511	-4.13	2	Cap 1= Max C, Cap 2= Max C
				0.526	-1.31	3	Cap 1= Max C, Cap 2= Mid C
				0.531	-0.38	4	Cap 1= Max C, Cap 2= Min C
				0.417	-21.76	5	Cap 1= Mid C, Cap 2= Max C
				0.424	-20.45	6	Cap 1= Mid C, Cap 2= Mid C
				0.422	-20.83	7	Cap 1= Mid C, Cap 2= Min C
				0.325	-39.02	8	Cap 1= Min C, Cap 2= Max C
				0.330	-38.09	9	Cap 1= Min C, Cap 2= Mid C
				0.325	-39.02	10	Cap 1= Min C, Cap 2= Min C
20525	836.5	10mm Front	Open	0.365	0.00	1	Closed Loop
				0.341	-6.58	2	Cap 1= Max C, Cap 2= Max C
				0.356	-2.47	3	Cap 1= Max C, Cap 2= Mid C
				0.358	-1.92	4	Cap 1= Max C, Cap 2= Min C
				0.283	-22.47	5	Cap 1= Mid C, Cap 2= Max C
				0.290	-20.55	6	Cap 1= Mid C, Cap 2= Mid C
				0.287	-21.37	7	Cap 1= Mid C, Cap 2= Min C
				0.216	-40.82	8	Cap 1= Min C, Cap 2= Max C
				0.220	-39.73	9	Cap 1= Min C, Cap 2= Mid C
				0.217	-40.55	10	Cap 1= Min C, Cap 2= Min C

Single Point SAR Screening for Antenna Tuning States

Measured SAR Values - Hotspot (10mm Spacing) - LTE Band 5 850 MHz (BW 10 MHz)							
Channel	Freq. (MHz)	Position	Slider Position	Max. SAR (W/kg)	% delta from Closed Loop	Scan #	Comments
20525	836.5	10mm Left	Closed	0.223	0.00	1	Closed Loop
				0.127	-43.05	2	Cap 1= Max C, Cap 2= Max C
				0.152	-31.84	3	Cap 1= Max C, Cap 2= Mid C
				0.185	-17.04	4	Cap 1= Max C, Cap 2= Min C
				0.138	-38.12	5	Cap 1= Mid C, Cap 2= Max C
				0.174	-21.97	6	Cap 1= Mid C, Cap 2= Mid C
				0.212	-4.93	7	Cap 1 = Mid C, Cap 2= Min C
				0.145	-34.98	8	Cap 1= Min C, Cap 2= Max C
				0.188	-15.70	9	Cap 1= Min C, Cap 2= Mid C
				0.221	-0.90	10	Cap 1= Min C, Cap 2= Min C
20525	836.5	10mm Right	Closed	0.412	0.00	1	Closed Loop
				0.217	-47.33	2	Cap 1= Max C, Cap 2= Max C
				0.268	-34.95	3	Cap 1= Max C, Cap 2= Mid C
				0.328	-20.39	4	Cap 1= Max C, Cap 2= Min C
				0.256	-37.86	5	Cap 1= Mid C, Cap 2= Max C
				0.325	-21.12	6	Cap 1= Mid C, Cap 2= Mid C
				0.394	-4.37	7	Cap 1 = Mid C, Cap 2= Min C
				0.287	-30.34	8	Cap 1= Min C, Cap 2= Max C
				0.369	-10.44	9	Cap 1= Min C, Cap 2= Mid C
				0.410	-0.49	10	Cap 1= Min C, Cap 2= Min C
20525	836.5	10mm Left	Open	0.124	0.00	1	Closed Loop
				0.070	-43.39	2	Cap 1= Max C, Cap 2= Max C
				0.084	-32.10	3	Cap 1= Max C, Cap 2= Mid C
				0.102	-17.74	4	Cap 1= Max C, Cap 2= Min C
				0.077	-38.23	5	Cap 1= Mid C, Cap 2= Max C
				0.095	-23.79	6	Cap 1= Mid C, Cap 2= Mid C
				0.116	-6.45	7	Cap 1 = Mid C, Cap 2= Min C
				0.081	-34.44	8	Cap 1= Min C, Cap 2= Max C
				0.100	-19.60	9	Cap 1= Min C, Cap 2= Mid C
				0.121	-2.42	10	Cap 1= Min C, Cap 2= Min C
20525	836.5	10mm Right	Open	0.243	0.00	1	Closed Loop
				0.132	-45.68	2	Cap 1= Max C, Cap 2= Max C
				0.160	-34.16	3	Cap 1= Max C, Cap 2= Mid C
				0.161	-33.74	4	Cap 1= Max C, Cap 2= Min C
				0.146	-39.92	5	Cap 1= Mid C, Cap 2= Max C
				0.189	-22.22	6	Cap 1= Mid C, Cap 2= Mid C
				0.230	-5.35	7	Cap 1 = Mid C, Cap 2= Min C
				0.166	-31.69	8	Cap 1= Min C, Cap 2= Max C
				0.213	-12.35	9	Cap 1= Min C, Cap 2= Mid C
				0.241	-0.82	10	Cap 1= Min C, Cap 2= Min C

Single Point SAR Screening for Antenna Tuning States

Measured SAR Values - Hotspot (10mm Spacing) - LTE Band 5 850 MHz (BW 10 MHz)							
Channel	Freq. (MHz)	Position	Slider Position	Max. SAR (W/kg)	% delta from Closed Loop	Scan #	Comments
20525	836.5	10mm Bottom	Closed	0.350	0.00	1	Closed Loop
				0.331	-5.43	2	Cap 1= Max C, Cap 2= Max C
				0.223	-36.29	3	Cap 1= Max C, Cap 2= Mid C
				0.271	-22.57	4	Cap 1= Max C, Cap 2= Min C
				0.198	-43.43	5	Cap 1= Mid C, Cap 2= Max C
				0.249	-28.86	6	Cap 1= Mid C, Cap 2= Mid C
				0.319	-8.86	7	Cap 1 = Mid C, Cap 2= Min C
				0.212	-39.43	8	Cap 1= Min C, Cap 2= Max C
				0.275	-21.43	9	Cap 1= Min C, Cap 2= Mid C
				0.338	-3.43	10	Cap 1= Min C, Cap 2= Min C
20525	836.5	10mm Bottom	Open	0.453	0.00	1	Closed Loop
				0.267	-41.06	2	Cap 1= Max C, Cap 2= Max C
				0.322	-28.92	3	Cap 1= Max C, Cap 2= Mid C
				0.379	-16.34	4	Cap 1= Max C, Cap 2= Min C
				0.298	-34.22	5	Cap 1= Mid C, Cap 2= Max C
				0.365	-19.43	6	Cap 1= Mid C, Cap 2= Mid C
				0.436	-3.75	7	Cap 1 = Mid C, Cap 2= Min C
				0.330	-27.15	8	Cap 1= Min C, Cap 2= Max C
				0.402	-11.26	9	Cap 1= Min C, Cap 2= Mid C
				0.448	-1.10	10	Cap 1= Min C, Cap 2= Min C

Single Point SAR Screening for Antenna Tuning States

Measured SAR Values - Body-Worn (15mm Spacing) - LTE Band 5 850 MHz (BW 10 MHz)							
Channel	Freq. (MHz)	Position	Slider Position	Max. SAR (W/kg)	% delta from Closed Loop	Scan #	Comments
20525	836.5	15mm Back	Closed	0.267	0.00	1	Closed Loop
				0.264	-1.12	2	Cap 1= Max C, Cap 2= Max C
				0.263	-1.50	3	Cap 1= Max C, Cap 2= Mid C
				0.262	-1.87	4	Cap 1= Max C, Cap 2= Min C
				0.218	-18.35	5	Cap 1= Mid C, Cap 2= Max C
				0.214	-19.85	6	Cap 1= Mid C, Cap 2= Mid C
				0.207	-22.47	7	Cap 1= Mid C, Cap 2= Min C
				0.170	-36.33	8	Cap 1= Min C, Cap 2= Max C
				0.163	-38.95	9	Cap 1= Min C, Cap 2= Mid C
				0.154	-42.32	10	Cap 1= Min C, Cap 2= Min C
20450	829.0	15mm Front	Closed	0.335	0.00	1	Closed Loop
				0.313	-6.57	2	Cap 1= Max C, Cap 2= Max C
				0.327	-2.39	3	Cap 1= Max C, Cap 2= Mid C
				0.335	0.00	4	Cap 1= Max C, Cap 2= Min C
				0.272	-18.81	5	Cap 1= Mid C, Cap 2= Max C
				0.279	-16.72	6	Cap 1= Mid C, Cap 2= Mid C
				0.275	-17.91	7	Cap 1= Mid C, Cap 2= Min C
				0.214	-36.12	8	Cap 1= Min C, Cap 2= Max C
				0.214	-36.12	9	Cap 1= Min C, Cap 2= Mid C
				0.213	-36.42	10	Cap 1= Min C, Cap 2= Min C

Device Model	RHT181LW (STV100-2)
Hardware Rev. #	Rev 1
Software Bundle #	AAC684
Date	10/14-23/2015

Single Point SAR Screening for Antenna Tuning States

Measured SAR Values - Head -CDMA BC0 850 MHz							
Channel	Freq. (MHz)	Position	Slider Position	Max. SAR (W/kg)	% delta from Closed Loop	Scan #	Comments
384	836.5	Left Cheek	Closed	0.322	0.00	1	Closed Loop
				0.317	-1.55	2	Cap 1= Max C, Cap 2= Max C
				0.309	-4.04	3	Cap 1= Max C, Cap 2= Mid C
				0.294	-8.70	4	Cap 1= Max C, Cap 2= Min C
				0.256	-20.50	5	Cap 1= Mid C, Cap 2= Max C
				0.238	-26.09	6	Cap 1= Mid C, Cap 2= Mid C
				0.213	-33.85	7	Cap 1= Mid C, Cap 2= Min C
				0.187	-41.93	8	Cap 1= Min C, Cap 2= Max C
				0.166	-48.45	9	Cap 1= Min C, Cap 2= Mid C
				0.151	-53.11	10	Cap 1= Min C, Cap 2= Min C
384	836.5	Left Tilt	Closed	0.191	0.00	1	Closed Loop
				0.191	0.00	2	Cap 1= Max C, Cap 2= Max C
				0.188	-1.57	3	Cap 1= Max C, Cap 2= Mid C
				0.179	-6.28	4	Cap 1= Max C, Cap 2= Min C
				0.150	-21.47	5	Cap 1= Mid C, Cap 2= Max C
				0.144	-24.61	6	Cap 1= Mid C, Cap 2= Mid C
				0.135	-29.32	7	Cap 1= Mid C, Cap 2= Min C
				0.108	-43.46	8	Cap 1= Min C, Cap 2= Max C
				0.104	-45.55	9	Cap 1= Min C, Cap 2= Mid C
				0.092	-51.73	10	Cap 1= Min C, Cap 2= Min C
384	836.5	Left Cheek	Open	0.240	0.00	1	Closed Loop
				0.229	-4.58	2	Cap 1= Max C, Cap 2= Max C
				0.239	-0.42	3	Cap 1= Max C, Cap 2= Mid C
				0.237	-1.25	4	Cap 1= Max C, Cap 2= Min C
				0.186	-22.50	5	Cap 1= Mid C, Cap 2= Max C
				0.190	-20.83	6	Cap 1= Mid C, Cap 2= Mid C
				0.191	-20.42	7	Cap 1= Mid C, Cap 2= Min C
				0.144	-40.00	8	Cap 1= Min C, Cap 2= Max C
				0.144	-40.00	9	Cap 1= Min C, Cap 2= Mid C
				0.141	-41.25	10	Cap 1= Min C, Cap 2= Min C
384	836.5	Left Tilt	Open	0.137	0.00	1	Closed Loop
				0.132	-3.65	2	Cap 1= Max C, Cap 2= Max C
				0.134	-2.19	3	Cap 1= Max C, Cap 2= Mid C
				0.135	-1.46	4	Cap 1= Max C, Cap 2= Min C
				0.104	-24.09	5	Cap 1= Mid C, Cap 2= Max C
				0.105	-23.36	6	Cap 1= Mid C, Cap 2= Mid C
				0.106	-22.63	7	Cap 1= Mid C, Cap 2= Min C
				0.079	-42.26	8	Cap 1= Min C, Cap 2= Max C
				0.080	-41.82	9	Cap 1= Min C, Cap 2= Mid C
				0.080	-41.75	10	Cap 1= Min C, Cap 2= Min C

Single Point SAR Screening for Antenna Tuning States

Measured SAR Values - Head -CDMA BC0 850 MHz							
Channel	Freq. (MHz)	Position	Slider Position	Max. SAR (W/kg)	% delta from Closed Loop	Scan #	Comments
777	848.3	Right Cheek	Closed	0.431	0.00	1	Closed Loop
				0.431	0.00	2	Cap 1= Max C, Cap 2= Max C
				0.405	-6.03	3	Cap 1= Max C, Cap 2= Mid C
				0.371	-13.92	4	Cap 1= Max C, Cap 2= Min C
				0.358	-16.94	5	Cap 1= Mid C, Cap 2= Max C
				0.314	-27.15	6	Cap 1= Mid C, Cap 2= Mid C
				0.268	-37.82	7	Cap 1 = Mid C, Cap 2= Min C
				0.259	-39.91	8	Cap 1= Min C, Cap 2= Max C
				0.215	-50.12	9	Cap 1= Min C, Cap 2= Mid C
				0.178	-58.70	10	Cap 1= Min C, Cap 2= Min C
384	836.5	Right Tilt	Closed	0.234	0.00	1	Closed Loop
				0.231	-1.28	2	Cap 1= Max C, Cap 2= Max C
				0.233	-0.43	3	Cap 1= Max C, Cap 2= Mid C
				0.224	-4.27	4	Cap 1= Max C, Cap 2= Min C
				0.170	-27.35	5	Cap 1= Mid C, Cap 2= Max C
				0.164	-29.91	6	Cap 1= Mid C, Cap 2= Mid C
				0.154	-34.19	7	Cap 1 = Mid C, Cap 2= Min C
				0.126	-46.15	8	Cap 1= Min C, Cap 2= Max C
				0.118	-49.57	9	Cap 1= Min C, Cap 2= Mid C
				0.107	-54.27	10	Cap 1= Min C, Cap 2= Min C
384	836.5	Right Cheek	Open	0.267	0.00	1	Closed Loop
				0.248	-7.12	2	Cap 1= Max C, Cap 2= Max C
				0.262	-1.87	3	Cap 1= Max C, Cap 2= Mid C
				0.266	-0.37	4	Cap 1= Max C, Cap 2= Min C
				0.196	-26.59	5	Cap 1= Mid C, Cap 2= Max C
				0.205	-23.22	6	Cap 1= Mid C, Cap 2= Mid C
				0.206	-22.85	7	Cap 1 = Mid C, Cap 2= Min C
				0.152	-43.07	8	Cap 1= Min C, Cap 2= Max C
				0.158	-40.82	9	Cap 1= Min C, Cap 2= Mid C
				0.152	-43.07	10	Cap 1= Min C, Cap 2= Min C
384	836.5	Right Tilt	Open	0.163	0.00	1	Closed Loop
				0.151	-7.36	2	Cap 1= Max C, Cap 2= Max C
				0.157	-3.68	3	Cap 1= Max C, Cap 2= Mid C
				0.161	-1.23	4	Cap 1= Max C, Cap 2= Min C
				0.114	-30.06	5	Cap 1= Mid C, Cap 2= Max C
				0.116	-28.83	6	Cap 1= Mid C, Cap 2= Mid C
				0.117	-28.22	7	Cap 1 = Mid C, Cap 2= Min C
				0.086	-47.42	8	Cap 1= Min C, Cap 2= Max C
				0.088	-45.95	9	Cap 1= Min C, Cap 2= Mid C
				0.088	-45.95	10	Cap 1= Min C, Cap 2= Min C

Single Point SAR Screening for Antenna Tuning States

Measured SAR Values - Hotspot (10mm Spacing) -CDMA BC0 850 MHz							
Channel	Freq. (MHz)	Position	Slider Position	Max. SAR (W/kg)	% delta from Closed Loop	Scan #	Comments
384	836.5	10mm Back	Closed	0.628	0.00	1	Closed Loop
				0.617	-1.75	2	Cap 1= Max C, Cap 2= Max C
				0.600	-4.46	3	Cap 1= Max C, Cap 2= Mid C
				0.595	-5.25	4	Cap 1= Max C, Cap 2= Min C
				0.484	-22.93	5	Cap 1= Mid C, Cap 2= Max C
				0.447	-28.82	6	Cap 1= Mid C, Cap 2= Mid C
				0.401	-36.15	7	Cap 1 = Mid C, Cap 2= Min C
				0.349	-44.43	8	Cap 1= Min C, Cap 2= Max C
				0.308	-50.96	9	Cap 1= Min C, Cap 2= Mid C
				0.156	-75.16	10	Cap 1= Min C, Cap 2= Min C
384	836.5	10mm Front	Closed	0.425	0.00	1	Closed Loop
				0.422	-0.71	2	Cap 1= Max C, Cap 2= Max C
				0.421	-0.94	3	Cap 1= Max C, Cap 2= Mid C
				0.401	-5.65	4	Cap 1= Max C, Cap 2= Min C
				0.331	-22.12	5	Cap 1= Mid C, Cap 2= Max C
				0.308	-27.53	6	Cap 1= Mid C, Cap 2= Mid C
				0.281	-33.88	7	Cap 1 = Mid C, Cap 2= Min C
				0.242	-43.06	8	Cap 1= Min C, Cap 2= Max C
				0.219	-48.47	9	Cap 1= Min C, Cap 2= Mid C
				0.194	-54.35	10	Cap 1= Min C, Cap 2= Min C
777	848.5	10mm Back	Open	1.020	0.00	1	Closed Loop
				1.010	-0.98	2	Cap 1= Max C, Cap 2= Max C
				0.956	-6.27	3	Cap 1= Max C, Cap 2= Mid C
				0.905	-11.27	4	Cap 1= Max C, Cap 2= Min C
				0.812	-20.39	5	Cap 1= Mid C, Cap 2= Max C
				0.737	-27.75	6	Cap 1= Mid C, Cap 2= Mid C
				0.655	-35.78	7	Cap 1 = Mid C, Cap 2= Min C
				0.592	-41.96	8	Cap 1= Min C, Cap 2= Max C
				0.510	-50.00	9	Cap 1= Min C, Cap 2= Mid C
				0.178	-82.55	10	Cap 1= Min C, Cap 2= Min C
384	836.5	10mm Front	Open	0.537	0.00	1	Closed Loop
				0.513	-4.47	2	Cap 1= Max C, Cap 2= Max C
				0.530	-1.30	3	Cap 1= Max C, Cap 2= Mid C
				0.529	-1.49	4	Cap 1= Max C, Cap 2= Min C
				0.389	-27.56	5	Cap 1= Mid C, Cap 2= Max C
				0.392	-27.00	6	Cap 1= Mid C, Cap 2= Mid C
				0.382	-28.86	7	Cap 1 = Mid C, Cap 2= Min C
				0.300	-44.13	8	Cap 1= Min C, Cap 2= Max C
				0.289	-46.18	9	Cap 1= Min C, Cap 2= Mid C
				0.275	-48.79	10	Cap 1= Min C, Cap 2= Min C

Single Point SAR Screening for Antenna Tuning States

Measured SAR Values - Hotspot (10mm Spacing) -CDMA BC0 850 MHz							
Channel	Freq. (MHz)	Position	Slider Position	Max. SAR (W/kg)	% delta from Closed Loop	Scan #	Comments
384	836.5	10mm Left	Closed	0.282	0.00	1	Closed Loop
				0.281	-0.35	2	Cap 1= Max C, Cap 2= Max C
				0.273	-3.19	3	Cap 1= Max C, Cap 2= Mid C
				0.258	-8.51	4	Cap 1= Max C, Cap 2= Min C
				0.229	-18.79	5	Cap 1= Mid C, Cap 2= Max C
				0.211	-25.18	6	Cap 1= Mid C, Cap 2= Mid C
				0.195	-30.85	7	Cap 1= Mid C, Cap 2= Min C
				0.165	-41.49	8	Cap 1= Min C, Cap 2= Max C
				0.148	-47.52	9	Cap 1= Min C, Cap 2= Mid C
				0.137	-51.42	10	Cap 1= Min C, Cap 2= Min C
384	836.5	10mm Right	Closed	0.407	0.00	1	Closed Loop
				0.399	-1.97	2	Cap 1= Max C, Cap 2= Max C
				0.405	-0.49	3	Cap 1= Max C, Cap 2= Mid C
				0.399	-1.97	4	Cap 1= Max C, Cap 2= Min C
				0.342	-15.97	5	Cap 1= Mid C, Cap 2= Max C
				0.330	-18.92	6	Cap 1= Mid C, Cap 2= Mid C
				0.322	-20.88	7	Cap 1= Mid C, Cap 2= Min C
				0.267	-34.40	8	Cap 1= Min C, Cap 2= Max C
				0.253	-37.84	9	Cap 1= Min C, Cap 2= Mid C
				0.112	-72.48	10	Cap 1= Min C, Cap 2= Min C
384	836.5	10mm Left	Open	0.199	0.00	1	Closed Loop
				0.198	-0.50	2	Cap 1= Max C, Cap 2= Max C
				0.197	-1.01	3	Cap 1= Max C, Cap 2= Mid C
				0.186	-6.53	4	Cap 1= Max C, Cap 2= Min C
				0.163	-18.09	5	Cap 1= Mid C, Cap 2= Max C
				0.155	-22.11	6	Cap 1= Mid C, Cap 2= Mid C
				0.145	-27.14	7	Cap 1= Mid C, Cap 2= Min C
				0.123	-38.19	8	Cap 1= Min C, Cap 2= Max C
				0.110	-44.72	9	Cap 1= Min C, Cap 2= Mid C
				0.100	-49.75	10	Cap 1= Min C, Cap 2= Min C
384	836.5	10mm Right	Open	0.324	0.00	1	Closed Loop
				0.320	-1.23	2	Cap 1= Max C, Cap 2= Max C
				0.314	-3.09	3	Cap 1= Max C, Cap 2= Mid C
				0.304	-6.17	4	Cap 1= Max C, Cap 2= Min C
				0.266	-17.90	5	Cap 1= Mid C, Cap 2= Max C
				0.254	-21.60	6	Cap 1= Mid C, Cap 2= Mid C
				0.234	-27.78	7	Cap 1= Mid C, Cap 2= Min C
				0.200	-38.27	8	Cap 1= Min C, Cap 2= Max C
				0.192	-40.74	9	Cap 1= Min C, Cap 2= Mid C
				0.176	-45.68	10	Cap 1= Min C, Cap 2= Min C

Single Point SAR Screening for Antenna Tuning States

Measured SAR Values - Hotspot (10mm Spacing) -CDMA BC0 850 MHz							
Channel	Freq. (MHz)	Position	Slider Position	Max. SAR (W/kg)	% delta from Closed Loop	Scan #	Comments
384	836.5	10mm Bottom	Closed	0.386	0.00	1	Closed Loop
				0.373	-3.37	2	Cap 1= Max C, Cap 2= Max C
				0.367	-4.92	3	Cap 1= Max C, Cap 2= Mid C
				0.355	-8.03	4	Cap 1= Max C, Cap 2= Min C
				0.305	-20.98	5	Cap 1= Mid C, Cap 2= Max C
				0.293	-24.09	6	Cap 1= Mid C, Cap 2= Mid C
				0.272	-29.53	7	Cap 1 = Mid C, Cap 2= Min C
				0.233	-39.64	8	Cap 1= Min C, Cap 2= Max C
				0.218	-43.52	9	Cap 1= Min C, Cap 2= Mid C
				0.198	-48.70	10	Cap 1= Min C, Cap 2= Min C
384	836.5	10mm Bottom	Open	0.377	0.00	1	Closed Loop
				0.369	-2.12	2	Cap 1= Max C, Cap 2= Max C
				0.352	-6.63	3	Cap 1= Max C, Cap 2= Mid C
				0.342	-9.28	4	Cap 1= Max C, Cap 2= Min C
				0.299	-20.69	5	Cap 1= Mid C, Cap 2= Max C
				0.283	-24.93	6	Cap 1= Mid C, Cap 2= Mid C
				0.261	-30.77	7	Cap 1 = Mid C, Cap 2= Min C
				0.225	-40.32	8	Cap 1= Min C, Cap 2= Max C
				0.214	-43.24	9	Cap 1= Min C, Cap 2= Mid C
				0.193	-48.81	10	Cap 1= Min C, Cap 2= Min C

Single Point SAR Screening for Antenna Tuning States

Measured SAR Values - Body-Worn (15mm Spacing) -CDMA BC0 850 MHz							
Channel	Freq. (MHz)	Position	Slider Position	Max. SAR (W/kg)	% delta from Closed Loop	Scan #	Comments
384	836.5	15mm Back	Closed	0.343	0.00	1	Closed Loop
				0.339	-1.17	2	Cap 1= Max C, Cap 2= Max C
				0.343	0.00	3	Cap 1= Max C, Cap 2= Mid C
				0.337	-1.75	4	Cap 1= Max C, Cap 2= Min C
				0.269	-21.57	5	Cap 1= Mid C, Cap 2= Max C
				0.259	-24.49	6	Cap 1= Mid C, Cap 2= Mid C
				0.240	-30.03	7	Cap 1= Mid C, Cap 2= Min C
				0.201	-41.40	8	Cap 1= Min C, Cap 2= Max C
				0.187	-45.48	9	Cap 1= Min C, Cap 2= Mid C
				0.137	-60.06	10	Cap 1= Min C, Cap 2= Min C
384	836.5	15mm Front	Closed	0.373	0.00	1	Closed Loop
				0.354	-5.09	2	Cap 1= Max C, Cap 2= Max C
				0.373	0.00	3	Cap 1= Max C, Cap 2= Mid C
				0.365	-2.14	4	Cap 1= Max C, Cap 2= Min C
				0.313	-16.09	5	Cap 1= Mid C, Cap 2= Max C
				0.299	-19.84	6	Cap 1= Mid C, Cap 2= Mid C
				0.279	-25.20	7	Cap 1= Mid C, Cap 2= Min C
				0.239	-35.92	8	Cap 1= Min C, Cap 2= Max C
				0.224	-39.95	9	Cap 1= Min C, Cap 2= Mid C
				0.202	-45.84	10	Cap 1= Min C, Cap 2= Min C

Device Model	RHT181LW (STV100-2)
Hardware Rev. #	Rev 1
Software Bundle #	AAC684
Date	10/15-22/2015

Single Point SAR Screening for Antenna Tuning States

Measured SAR Values - Head - LTE Band 13 700 MHz (BW 10 MHz)							
Channel	Freq. (MHz)	Position	Slider Position	Max. SAR (W/kg)	% delta from Closed Loop	Scan #	Comments
23230	782.0	Left Cheek	Closed	0.262	0.00	1	Closed Loop
				0.107	-59.16	2	Cap 1= Max C, Cap 2= Max C
				0.132	-49.62	3	Cap 1= Max C, Cap 2= Mid C
				0.164	-37.40	4	Cap 1= Max C, Cap 2= Min C
				0.124	-52.67	5	Cap 1= Mid C, Cap 2= Max C
				0.169	-35.50	6	Cap 1= Mid C, Cap 2= Mid C
				0.223	-14.89	7	Cap 1= Mid C, Cap 2= Min C
				0.143	-45.42	8	Cap 1= Min C, Cap 2= Max C
				0.206	-21.37	9	Cap 1= Min C, Cap 2= Mid C
				0.259	-1.15	10	Cap 1= Min C, Cap 2= Min C
23230	782.0	Left Tilt	Closed	0.207	0.00	1	Closed Loop
				0.048	-76.81	2	Cap 1= Max C, Cap 2= Max C
				0.064	-69.28	3	Cap 1= Max C, Cap 2= Mid C
				0.077	-62.71	4	Cap 1= Max C, Cap 2= Min C
				0.059	-71.69	5	Cap 1= Mid C, Cap 2= Max C
				0.074	-64.35	6	Cap 1= Mid C, Cap 2= Mid C
				0.099	-52.27	7	Cap 1= Mid C, Cap 2= Min C
				0.064	-69.23	8	Cap 1= Min C, Cap 2= Max C
				0.095	-54.11	9	Cap 1= Min C, Cap 2= Mid C
				0.120	-42.03	10	Cap 1= Min C, Cap 2= Min C
23230	782.0	Left Cheek	Open	0.215	0.00	1	Closed Loop
				0.075	-65.30	2	Cap 1= Max C, Cap 2= Max C
				0.097	-54.93	3	Cap 1= Max C, Cap 2= Mid C
				0.120	-44.19	4	Cap 1= Max C, Cap 2= Min C
				0.094	-56.09	5	Cap 1= Mid C, Cap 2= Max C
				0.132	-38.60	6	Cap 1= Mid C, Cap 2= Mid C
				0.174	-19.07	7	Cap 1= Mid C, Cap 2= Min C
				0.114	-46.98	8	Cap 1= Min C, Cap 2= Max C
				0.172	-20.00	9	Cap 1= Min C, Cap 2= Mid C
				0.210	-2.33	10	Cap 1= Min C, Cap 2= Min C
23230	782.0	Left Tilt	Open	0.137	0.00	1	Closed Loop
				0.045	-67.30	2	Cap 1= Max C, Cap 2= Max C
				0.057	-58.18	3	Cap 1= Max C, Cap 2= Mid C
				0.072	-47.23	4	Cap 1= Max C, Cap 2= Min C
				0.057	-58.54	5	Cap 1= Mid C, Cap 2= Max C
				0.081	-41.02	6	Cap 1= Mid C, Cap 2= Mid C
				0.108	-21.17	7	Cap 1= Mid C, Cap 2= Min C
				0.071	-48.25	8	Cap 1= Min C, Cap 2= Max C
				0.108	-21.17	9	Cap 1= Min C, Cap 2= Mid C
				0.137	0.00	10	Cap 1= Min C, Cap 2= Min C

Single Point SAR Screening for Antenna Tuning States

Measured SAR Values - Head - LTE Band 13 700 MHz (BW 10 MHz)							
Channel	Freq. (MHz)	Position	Slider Position	Max. SAR (W/kg)	% delta from Closed Loop	Scan #	Comments
23230	782.0	Right Cheek	Closed	0.297	0.00	1	Closed Loop
				0.138	-53.54	2	Cap 1= Max C, Cap 2= Max C
				0.176	-40.74	3	Cap 1= Max C, Cap 2= Mid C
				0.220	-25.93	4	Cap 1= Max C, Cap 2= Min C
				0.151	-49.16	5	Cap 1= Mid C, Cap 2= Max C
				0.205	-30.98	6	Cap 1= Mid C, Cap 2= Mid C
				0.264	-11.11	7	Cap 1= Mid C, Cap 2= Min C
				0.268	-9.76	8	Cap 1= Min C, Cap 2= Max C
				0.232	-21.89	9	Cap 1= Min C, Cap 2= Mid C
				0.293	-1.35	10	Cap 1= Min C, Cap 2= Min C
23230	782.0	Right Tilt	Closed	0.219	0.00	1	Closed Loop
				0.091	-58.49	2	Cap 1= Max C, Cap 2= Max C
				0.117	-46.58	3	Cap 1= Max C, Cap 2= Mid C
				0.149	-31.96	4	Cap 1= Max C, Cap 2= Min C
				0.102	-53.42	5	Cap 1= Mid C, Cap 2= Max C
				0.143	-34.70	6	Cap 1= Mid C, Cap 2= Mid C
				0.186	-15.07	7	Cap 1= Mid C, Cap 2= Min C
				0.116	-47.03	8	Cap 1= Min C, Cap 2= Max C
				0.169	-22.83	9	Cap 1= Min C, Cap 2= Mid C
				0.214	-2.28	10	Cap 1= Min C, Cap 2= Min C
23230	782.0	Right Cheek	Open	0.206	0.00	1	Closed Loop
				0.072	-64.85	2	Cap 1= Max C, Cap 2= Max C
				0.093	-54.71	3	Cap 1= Max C, Cap 2= Mid C
				0.122	-40.78	4	Cap 1= Max C, Cap 2= Min C
				0.122	-40.78	5	Cap 1= Mid C, Cap 2= Max C
				0.128	-37.86	6	Cap 1= Mid C, Cap 2= Mid C
				0.171	-16.99	7	Cap 1= Mid C, Cap 2= Min C
				0.110	-46.60	8	Cap 1= Min C, Cap 2= Max C
				0.165	-19.90	9	Cap 1= Min C, Cap 2= Mid C
				0.204	-0.97	10	Cap 1= Min C, Cap 2= Min C
23230	782.0	Right Tilt	Open	0.075	0.00	1	Closed Loop
				0.024	-68.44	2	Cap 1= Max C, Cap 2= Max C
				0.031	-59.25	3	Cap 1= Max C, Cap 2= Mid C
				0.039	-48.60	4	Cap 1= Max C, Cap 2= Min C
				0.031	-58.72	5	Cap 1= Mid C, Cap 2= Max C
				0.044	-41.94	6	Cap 1= Mid C, Cap 2= Mid C
				0.058	-22.90	7	Cap 1= Mid C, Cap 2= Min C
				0.038	-49.00	8	Cap 1= Min C, Cap 2= Max C
				0.059	-21.44	9	Cap 1= Min C, Cap 2= Mid C
				0.074	-1.20	10	Cap 1= Min C, Cap 2= Min C

Single Point SAR Screening for Antenna Tuning States

Measured SAR Values - Hotspot (10mm Spacing) - LTE Band 13 700 MHz (BW 10 MHz)							
Channel	Freq. (MHz)	Position	Slider Position	Max. SAR (W/kg)	% delta from Closed Loop	Scan #	Comments
23230	782.0	10mm Back	Closed	0.529	0.00	1	Closed Loop
				0.250	-52.74	2	Cap 1= Max C, Cap 2= Max C
				0.307	-41.97	3	Cap 1= Max C, Cap 2= Mid C
				0.370	-30.06	4	Cap 1= Max C, Cap 2= Min C
				0.287	-45.75	5	Cap 1= Mid C, Cap 2= Max C
				0.372	-29.68	6	Cap 1= Mid C, Cap 2= Mid C
				0.465	-12.10	7	Cap 1 = Mid C, Cap 2= Min C
				0.316	-40.26	8	Cap 1= Min C, Cap 2= Max C
				0.418	-20.98	9	Cap 1= Min C, Cap 2= Mid C
				0.328	-38.00	10	Cap 1= Min C, Cap 2= Min C
23230	782.0	10mm Front	Closed	0.387	0.00	1	Closed Loop
				0.206	-46.77	2	Cap 1= Max C, Cap 2= Max C
				0.257	-33.59	3	Cap 1= Max C, Cap 2= Mid C
				0.316	-18.35	4	Cap 1= Max C, Cap 2= Min C
				0.227	-41.34	5	Cap 1= Mid C, Cap 2= Max C
				0.295	-23.77	6	Cap 1= Mid C, Cap 2= Mid C
				0.365	-5.68	7	Cap 1 = Mid C, Cap 2= Min C
				0.236	-39.02	8	Cap 1= Min C, Cap 2= Max C
				0.321	-17.05	9	Cap 1= Min C, Cap 2= Mid C
				0.385	-0.52	10	Cap 1= Min C, Cap 2= Min C
23230	782.0	10mm Back	Open	0.459	0.00	1	Closed Loop
				0.316	-31.15	2	Cap 1= Max C, Cap 2= Max C
				0.240	-47.71	3	Cap 1= Max C, Cap 2= Mid C
				0.303	-33.99	4	Cap 1= Max C, Cap 2= Min C
				0.224	-51.20	5	Cap 1= Mid C, Cap 2= Max C
				0.310	-32.46	6	Cap 1= Mid C, Cap 2= Mid C
				0.396	-13.73	7	Cap 1 = Mid C, Cap 2= Min C
				0.258	-43.79	8	Cap 1= Min C, Cap 2= Max C
				0.386	-15.90	9	Cap 1= Min C, Cap 2= Mid C
				0.222	-51.63	10	Cap 1= Min C, Cap 2= Min C
23230	782.0	10mm Front	Open	0.314	0.00	1	Closed Loop
				0.124	-60.51	2	Cap 1= Max C, Cap 2= Max C
				0.165	-47.45	3	Cap 1= Max C, Cap 2= Mid C
				0.205	-34.71	4	Cap 1= Max C, Cap 2= Min C
				0.149	-52.55	5	Cap 1= Mid C, Cap 2= Max C
				0.210	-33.12	6	Cap 1= Mid C, Cap 2= Mid C
				0.273	-13.06	7	Cap 1 = Mid C, Cap 2= Min C
				0.173	-44.90	8	Cap 1= Min C, Cap 2= Max C
				0.256	-18.47	9	Cap 1= Min C, Cap 2= Mid C
				0.311	-0.96	10	Cap 1= Min C, Cap 2= Min C

Single Point SAR Screening for Antenna Tuning States

Measured SAR Values - Hotspot (10mm Spacing) - LTE Band 13 700 MHz (BW 10 MHz)							
Channel	Freq. (MHz)	Position	Slider Position	Max. SAR (W/kg)	% delta from Closed Loop	Scan #	Comments
23230	782.0	10mm Left	Closed	0.319	0.00	1	Closed Loop
				0.188	-41.07	2	Cap 1= Max C, Cap 2= Max C
				0.232	-27.27	3	Cap 1= Max C, Cap 2= Mid C
				0.274	-14.11	4	Cap 1= Max C, Cap 2= Min C
				0.209	-34.48	5	Cap 1= Mid C, Cap 2= Max C
				0.270	-15.36	6	Cap 1= Mid C, Cap 2= Mid C
				0.316	-0.94	7	Cap 1 = Mid C, Cap 2= Min C
				0.214	-32.92	8	Cap 1= Min C, Cap 2= Max C
				0.283	-11.29	9	Cap 1= Min C, Cap 2= Mid C
				0.122	-61.76	10	Cap 1= Min C, Cap 2= Min C
23230	782.0	10mm Right	Closed	0.597	0.00	1	Closed Loop
				0.333	-44.22	2	Cap 1= Max C, Cap 2= Max C
				0.417	-30.15	3	Cap 1= Max C, Cap 2= Mid C
				0.490	-17.92	4	Cap 1= Max C, Cap 2= Min C
				0.379	-36.52	5	Cap 1= Mid C, Cap 2= Max C
				0.490	-17.92	6	Cap 1= Mid C, Cap 2= Mid C
				0.570	-4.52	7	Cap 1 = Mid C, Cap 2= Min C
				0.416	-30.32	8	Cap 1= Min C, Cap 2= Max C
				0.539	-9.72	9	Cap 1= Min C, Cap 2= Mid C
				0.235	-60.64	10	Cap 1= Min C, Cap 2= Min C
23230	782.0	10mm Left	Open	0.236	0.00	1	Closed Loop
				0.090	-62.03	2	Cap 1= Max C, Cap 2= Max C
				0.116	-50.85	3	Cap 1= Max C, Cap 2= Mid C
				0.152	-35.59	4	Cap 1= Max C, Cap 2= Min C
				0.107	-54.66	5	Cap 1= Mid C, Cap 2= Max C
				0.150	-36.44	6	Cap 1= Mid C, Cap 2= Mid C
				0.201	-14.83	7	Cap 1 = Mid C, Cap 2= Min C
				0.126	-46.61	8	Cap 1= Min C, Cap 2= Max C
				0.190	-19.49	9	Cap 1= Min C, Cap 2= Mid C
				0.233	-1.27	10	Cap 1= Min C, Cap 2= Min C
23230	782.0	10mm Right	Open	0.467	0.00	1	Closed Loop
				0.184	-60.60	2	Cap 1= Max C, Cap 2= Max C
				0.239	-48.82	3	Cap 1= Max C, Cap 2= Mid C
				0.314	-32.76	4	Cap 1= Max C, Cap 2= Min C
				0.224	-52.03	5	Cap 1= Mid C, Cap 2= Max C
				0.319	-31.69	6	Cap 1= Mid C, Cap 2= Mid C
				0.416	-10.92	7	Cap 1 = Mid C, Cap 2= Min C
				0.273	-41.54	8	Cap 1= Min C, Cap 2= Max C
				0.404	-13.49	9	Cap 1= Min C, Cap 2= Mid C
				0.466	-0.21	10	Cap 1= Min C, Cap 2= Min C

Single Point SAR Screening for Antenna Tuning States

Measured SAR Values - Hotspot (10mm Spacing) - LTE Band 13 700 MHz (BW 10 MHz)							
Channel	Freq. (MHz)	Position	Slider Position	Max. SAR (W/kg)	% delta from Closed Loop	Scan #	Comments
23230	782.0	10mm Bottom	Closed	0.442	0.00	1	Closed Loop
				0.215	-51.36	2	Cap 1= Max C, Cap 2= Max C
				0.272	-38.46	3	Cap 1= Max C, Cap 2= Mid C
				0.331	-25.11	4	Cap 1= Max C, Cap 2= Min C
				0.328	-25.79	5	Cap 1= Mid C, Cap 2= Max C
				0.323	-26.92	6	Cap 1= Mid C, Cap 2= Mid C
				0.329	-25.57	7	Cap 1 = Mid C, Cap 2= Min C
				0.270	-38.91	8	Cap 1= Min C, Cap 2= Max C
				0.353	-20.14	9	Cap 1= Min C, Cap 2= Mid C
				0.094	-78.82	10	Cap 1= Min C, Cap 2= Min C
23230	782.0	10mm Bottom	Open	0.449	0.00	1	Closed Loop
				0.190	-57.68	2	Cap 1= Max C, Cap 2= Max C
				0.251	-44.10	3	Cap 1= Max C, Cap 2= Mid C
				0.324	-27.84	4	Cap 1= Max C, Cap 2= Min C
				0.233	-48.11	5	Cap 1= Mid C, Cap 2= Max C
				0.223	-50.33	6	Cap 1= Mid C, Cap 2= Mid C
				0.425	-5.35	7	Cap 1 = Mid C, Cap 2= Min C
				0.270	-39.87	8	Cap 1= Min C, Cap 2= Max C
				0.396	-11.80	9	Cap 1= Min C, Cap 2= Mid C
				0.389	-13.36	10	Cap 1= Min C, Cap 2= Min C

Single Point SAR Screening for Antenna Tuning States

Measured SAR Values - Body-Worn (15mm Spacing) - LTE Band 13 700 MHz (BW 10 MHz)							
Channel	Freq. (MHz)	Position	Slider Position	Max. SAR (W/kg)	% delta from Closed Loop	Scan #	Comments
23230	782.0	15mm Back	Closed	0.337	0.00	1	Closed Loop
				0.184	-45.40	2	Cap 1= Max C, Cap 2= Max C
				0.226	-32.94	3	Cap 1= Max C, Cap 2= Mid C
				0.183	-45.70	4	Cap 1= Max C, Cap 2= Min C
				0.207	-38.58	5	Cap 1= Mid C, Cap 2= Max C
				0.270	-19.88	6	Cap 1= Mid C, Cap 2= Mid C
				0.337	0.00	7	Cap 1= Mid C, Cap 2= Min C
				0.232	-31.16	8	Cap 1= Min C, Cap 2= Max C
				0.307	-8.90	9	Cap 1= Min C, Cap 2= Mid C
				0.321	-4.75	10	Cap 1= Min C, Cap 2= Min C
23230	782.0	15mm Front	Closed	0.369	0.00	1	Closed Loop
				0.179	-51.49	2	Cap 1= Max C, Cap 2= Max C
				0.221	-40.11	3	Cap 1= Max C, Cap 2= Mid C
				0.264	-28.46	4	Cap 1= Max C, Cap 2= Min C
				0.206	-44.17	5	Cap 1= Mid C, Cap 2= Max C
				0.267	-27.64	6	Cap 1= Mid C, Cap 2= Mid C
				0.329	-10.84	7	Cap 1= Mid C, Cap 2= Min C
				0.227	-38.48	8	Cap 1= Min C, Cap 2= Max C
				0.300	-18.70	9	Cap 1= Min C, Cap 2= Mid C
				0.360	-2.44	10	Cap 1= Min C, Cap 2= Min C

Device Model	RHT181LW (STV100-2)
Hardware Rev. #	Rev 1
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