



SAR Test Record

SPORTON LAB

Head SAR Test																					
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Ratio
750MHz																					
01	LTE Band 12	10M	QPSK	1	0	—	Right Cheek	0mm	Ant 0	DSI 2	23095	707.5	22.84	24.00	1.306			-0.08	0.179	0.234	—
	LTE Band 12	10M	QPSK	25	0	—	Right Cheek	0mm	Ant 0	DSI 2	23095	707.5	21.87	23.00	1.297			0.01	0.127	0.165	—
	LTE Band 12	10M	QPSK	1	0	—	Right Tilted	0mm	Ant 0	DSI 2	23095	707.5	22.84	24.00	1.306			0.08	0.125	0.163	—
	LTE Band 12	10M	QPSK	25	0	—	Right Tilted	0mm	Ant 0	DSI 2	23095	707.5	21.87	23.00	1.297			-0.18	0.092	0.119	—
	LTE Band 12	10M	QPSK	1	0	—	Left Cheek	0mm	Ant 0	DSI 2	23095	707.5	22.84	24.00	1.306			0.14	0.174	0.227	—
	LTE Band 12	10M	QPSK	25	0	—	Left Cheek	0mm	Ant 0	DSI 2	23095	707.5	21.87	23.00	1.297			0.04	0.134	0.174	—
	LTE Band 12	10M	QPSK	1	0	—	Left Tilted	0mm	Ant 0	DSI 2	23095	707.5	22.84	24.00	1.306			-0.18	0.109	0.142	—
	LTE Band 12	10M	QPSK	25	0	—	Left Tilted	0mm	Ant 0	DSI 2	23095	707.5	21.87	23.00	1.297			0.13	0.078	0.101	—
02	LTE Band 13	10M	QPSK	1	0	—	Right Cheek	0mm	Ant 0	DSI 2	23230	782	22.98	24.00	1.265			0.01	0.294	0.372	—
	LTE Band 13	10M	QPSK	25	0	—	Right Cheek	0mm	Ant 0	DSI 2	23230	782	22.11	23.00	1.227			-0.13	0.187	0.230	—
	LTE Band 13	10M	QPSK	1	0	—	Right Tilted	0mm	Ant 0	DSI 2	23230	782	22.98	24.00	1.265			0.04	0.225	0.285	—
	LTE Band 13	10M	QPSK	25	0	—	Right Tilted	0mm	Ant 0	DSI 2	23230	782	22.11	23.00	1.227			-0.15	0.139	0.171	—
	LTE Band 13	10M	QPSK	1	0	—	Left Cheek	0mm	Ant 0	DSI 2	23230	782	22.98	24.00	1.265			0.04	0.278	0.352	—
	LTE Band 13	10M	QPSK	25	0	—	Left Cheek	0mm	Ant 0	DSI 2	23230	782	22.11	23.00	1.227			0.04	0.170	0.209	—
	LTE Band 13	10M	QPSK	1	0	—	Left Tilted	0mm	Ant 0	DSI 2	23230	782	22.98	24.00	1.265			-0.06	0.193	0.244	—
	LTE Band 13	10M	QPSK	25	0	—	Left Tilted	0mm	Ant 0	DSI 2	23230	782	22.11	23.00	1.227			0.19	0.113	0.139	—
835MHz																					
03	GSM850	—	—	—	—	GPRS (2 Tx slots)	Right Cheek	0mm	Ant 0	DSI 2	189	836.4	30.71	31.50	1.199			0.04	0.216	0.259	—
	GSM850	—	—	—	—	GPRS (2 Tx slots)	Right Tilted	0mm	Ant 0	DSI 2	189	836.4	30.71	31.50	1.199			0.04	0.157	0.188	—
	GSM850	—	—	—	—	GPRS (2 Tx slots)	Left Cheek	0mm	Ant 0	DSI 2	189	836.4	30.71	31.50	1.199			-0.08	0.232	0.278	—
	GSM850	—	—	—	—	GPRS (2 Tx slots)	Left Tilted	0mm	Ant 0	DSI 2	189	836.4	30.71	31.50	1.199			0.02	0.144	0.173	—
04	WCDMA V	—	—	—	—	RMC 12.2Kbps	Right Cheek	0mm	Ant 0	DSI 2	4182	836.4	23.26	24.00	1.186			-0.16	0.160	0.190	—
	WCDMA V	—	—	—	—	RMC 12.2Kbps	Right Tilted	0mm	Ant 0	DSI 2	4182	836.4	23.26	24.00	1.186			-0.17	0.088	0.104	—
	WCDMA V	—	—	—	—	RMC 12.2Kbps	Left Cheek	0mm	Ant 0	DSI 2	4182	836.4	23.26	24.00	1.186			-0.09	0.166	0.197	—
	WCDMA V	—	—	—	—	RMC 12.2Kbps	Left Tilted	0mm	Ant 0	DSI 2	4182	836.4	23.26	24.00	1.186			0.18	0.095	0.113	—
05	LTE Band 26	15M	QPSK	1	0	—	Right Cheek	0mm	Ant 0	DSI 2	26865	831.5	23.57	24.00	1.104			0.03	0.201	0.222	—
	LTE Band 26	15M	QPSK	36	0	—	Right Cheek	0mm	Ant 0	DSI 2	26865	831.5	22.52	23.00	1.117			0.18	0.168	0.188	—
	LTE Band 26	15M	QPSK	1	0	—	Right Tilted	0mm	Ant 0	DSI 2	26865	831.5	23.57	24.00	1.104			0.03	0.179	0.198	—
	LTE Band 26	15M	QPSK	36	0	—	Right Tilted	0mm	Ant 0	DSI 2	26865	831.5	22.52	23.00	1.117			0.05	0.110	0.123	—
	LTE Band 26	15M	QPSK	1	0	—	Left Cheek	0mm	Ant 0	DSI 2	26865	831.5	23.57	24.00	1.104			-0.02	0.267	0.295	—
	LTE Band 26	15M	QPSK	36	0	—	Left Cheek	0mm	Ant 0	DSI 2	26865	831.5	22.52	23.00	1.117			0.06	0.170	0.190	—
	LTE Band 26	15M	QPSK	1	0	—	Left Tilted	0mm	Ant 0	DSI 2	26865	831.5	23.57	24.00	1.104			0.17	0.164	0.181	—
	LTE Band 26	15M	QPSK	36	0	—	Left Tilted	0mm	Ant 0	DSI 2	26865	831.5	22.52	23.00	1.117			0.05	0.098	0.109	—
1750MHz																					
06	WCDMA IV	—	—	—	—	RMC 12.2Kbps	Right Cheek	0mm	Ant 0	DSI 2	1413	1732.6	23.11	24.00	1.227			0.17	0.205	0.252	—
	WCDMA IV	—	—	—	—	RMC 12.2Kbps	Right Tilted	0mm	Ant 0	DSI 2	1413	1732.6	23.11	24.00	1.227			0.14	0.089	0.109	—
	WCDMA IV	—	—	—	—	RMC 12.2Kbps	Left Cheek	0mm	Ant 0	DSI 2	1413	1732.6	23.11	24.00	1.227			0.09	0.168	0.206	—
	WCDMA IV	—	—	—	—	RMC 12.2Kbps	Left Tilted	0mm	Ant 0	DSI 2	1413	1732.6	23.11	24.00	1.227			0.04	0.124	0.152	—
07	LTE Band 66	20M	QPSK	1	0	—	Right Cheek	0mm	Ant 0	DSI 2	132322	1745	22.81	24.00	1.315			0.01	0.159	0.209	—
	LTE Band 66	20M	QPSK	50	0	—	Right Cheek	0mm	Ant 0	DSI 2	132322	1745	21.94	23.00	1.276			0.05	0.102	0.130	—
	LTE Band 66	20M	QPSK	1	0	—	Right Tilted	0mm	Ant 0	DSI 2	132322	1745	22.81	24.00	1.315			0.04	0.062	0.082	—
	LTE Band 66	20M	QPSK	50	0	—	Right Tilted	0mm	Ant 0	DSI 2	132322	1745	21.94	23.00	1.276			0.05	0.040	0.051	—
	LTE Band 66	20M	QPSK	1	0	—	Left Cheek	0mm	Ant 0	DSI 2	132322	1745	22.81	24.00	1.315			-0.18	0.119	0.157	—
	LTE Band 66	20M	QPSK	50	0	—	Left Cheek	0mm	Ant 0	DSI 2	132322	1745	21.94	23.00	1.276			-0.16	0.084	0.107	—
	LTE Band 66	20M	QPSK	1	0	—	Left Tilted	0mm	Ant 0	DSI 2	132322	1745	22.81	24.00	1.315			-0.1	0.080	0.105	—
	LTE Band 66	20M	QPSK	50	0	—	Left Tilted	0mm	Ant 0	DSI 2	132322	1745	21.94	23.00	1.276			-0.06	0.050	0.064	—
1900MHz																					
08	GSM1900	—	—	—	—	GPRS (2 Tx slots)	Right Cheek	0mm	Ant 0	DSI 2	661	1880	28.18	28.50	1.076			0.08	0.059	0.064	—
	GSM1900	—	—	—	—	GPRS (2 Tx slots)	Right Tilted	0mm	Ant 0	DSI 2	661	1880	28.18	28.50	1.076			-0.18	0.038	0.041	—
	GSM1900	—	—	—	—	GPRS (2 Tx slots)	Left Cheek	0mm	Ant 0	DSI 2	661	1880	28.18	28.50	1.076			0.05	0.046	0.050	—
	GSM1900	—	—	—	—	GPRS (2 Tx slots)	Left Tilted	0mm	Ant 0	DSI 2	661	1880	28.18	28.50	1.076			-0.14	0.045	0.048	—
09	WCDMA II	—	—	—	—	RMC 12.2Kbps	Right Cheek	0mm	Ant 0	DSI 2	9400	1880	23.51	24.00	1.119			-0.09	0.223	0.250	—
	WCDMA II	—	—	—	—	RMC 12.2Kbps	Right Tilted	0mm	Ant 0	DSI 2	9400	1880	23.51	24.00	1.119			-0.19	0.142	0.159	—
	WCDMA II	—	—	—	—	RMC 12.2Kbps	Left Cheek	0mm	Ant 0	DSI 2	9400	1880	23.51	24.00	1.119			-0.11	0.185	0.207	—
	WCDMA II	—	—	—	—	RMC 12.2Kbps	Left Tilted	0mm	Ant 0	DSI 2	9400	1880	23.51	24.00	1.119			0.12	0.176	0.197	—
10	LTE Band 2	20M	QPSK	1	0	—	Right Cheek	0mm	Ant 0	DSI 2	18900	1880	22.54	24.00	1.400			0.07	0.173	0.242	—
	LTE Band 2	20M	QPSK	50	0	—	Right Cheek	0mm	Ant 0	DSI 2	18900	1880	21.86	23.00	1.300			0.04	0.129	0.168	—
	LTE Band 2	20M	QPSK	1	0	—	Right Tilted	0mm	Ant 0	DSI 2	18900	1880	22.54	24.00	1.400			0.08	0.113	0.158	—
	LTE Band 2	20M	QPSK	50	0	—	Right Tilted	0mm	Ant 0	DSI 2	18900	1880	21.86	23.00	1.300			0.04	0.081	0.105	—
	LTE Band 2	20M	QPSK	1	0	—	Left Cheek	0mm	Ant 0	DSI 2	18900	1880	22.54	24.00	1.400			0.07	0.142	0.199	—
	LTE Band 2	20M	QPSK	50	0	—	Left Cheek	0mm	Ant 0	DSI 2	18900	1880	21.86	23.00	1.300			0.01	0.148	0.192	—
	LTE Band 2	20M	QPSK	1	0	—	Left Tilted	0mm	Ant 0	DSI 2	18900	1880	22.54	24.00	1.400			0.1	0.124	0.174	—
	LTE Band 2	20M	QPSK	50	0	—	Left Tilted	0mm	Ant 0	DSI 2	18900	1880	21.86	23.00	1.300			0.05	0.086	0.112	—



SAR Test Record

Head SAR Test																					
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Ratio
2600MHz																					
	LTE Band 7	20M	QPSK	1	0	---	Right Cheek	0mm	Ant 5	DSI 2	21100	2535	22.79	24.00	1.321			-0.13	0.235	0.311	---
	LTE Band 7	20M	QPSK	50	0	---	Right Cheek	0mm	Ant 5	DSI 2	21100	2535	21.85	23.00	1.303			0.06	0.147	0.192	---
	LTE Band 7	20M	QPSK	1	0	---	Right Tilted	0mm	Ant 5	DSI 2	21100	2535	22.79	24.00	1.321			0.02	0.181	0.239	---
	LTE Band 7	20M	QPSK	50	0	---	Right Tilted	0mm	Ant 5	DSI 2	21100	2535	21.85	23.00	1.303			0.12	0.121	0.158	---
11	LTE Band 7	20M	QPSK	1	0	---	Left Cheek	0mm	Ant 5	DSI 2	21100	2535	22.79	24.00	1.321			-0.07	0.267	0.353	---
	LTE Band 7	20M	QPSK	50	0	---	Left Cheek	0mm	Ant 5	DSI 2	21100	2535	21.85	23.00	1.303			0.13	0.216	0.281	---
	LTE Band 7	20M	QPSK	1	0	---	Left Tilted	0mm	Ant 5	DSI 2	21100	2535	22.79	24.00	1.321			-0.08	0.105	0.139	---
	LTE Band 7	20M	QPSK	50	0	---	Left Tilted	0mm	Ant 5	DSI 2	21100	2535	21.85	23.00	1.303			-0.06	0.073	0.095	---
	LTE Band 41	20M	QPSK	1	0	---	Right Cheek	0mm	Ant 5	DSI 2	40620	2593	22.79	24.00	1.321	62.9	1.006	0.02	0.116	0.154	---
	LTE Band 41	20M	QPSK	50	0	---	Right Cheek	0mm	Ant 5	DSI 2	40620	2593	21.94	23.00	1.276	62.9	1.006	-0.13	0.081	0.104	---
	LTE Band 41	20M	QPSK	1	0	---	Right Tilted	0mm	Ant 5	DSI 2	40620	2593	22.79	24.00	1.321	62.9	1.006	0.06	0.092	0.122	---
	LTE Band 41	20M	QPSK	50	0	---	Right Tilted	0mm	Ant 5	DSI 2	40620	2593	21.94	23.00	1.276	62.9	1.006	-0.16	0.062	0.080	---
12	LTE Band 41	20M	QPSK	1	0	---	Left Cheek	0mm	Ant 5	DSI 2	40620	2593	22.79	24.00	1.321	62.9	1.006	0.01	0.161	0.214	---
	LTE Band 41	20M	QPSK	50	0	---	Left Cheek	0mm	Ant 5	DSI 2	40620	2593	21.94	23.00	1.276	62.9	1.006	0.09	0.112	0.144	---
	LTE Band 41	20M	QPSK	1	0	---	Left Tilted	0mm	Ant 5	DSI 2	40620	2593	22.79	24.00	1.321	62.9	1.006	-0.09	0.046	0.061	---
	LTE Band 41	20M	QPSK	50	0	---	Left Tilted	0mm	Ant 5	DSI 2	40620	2593	21.94	23.00	1.276	62.9	1.006	0.16	0.031	0.040	---
WLAN/BT																					
	WLAN2.4GHz	---	---	---	---	802.11b 1Mbps	Right Cheek	0mm	Ant 8	Receiver on	11	2462	17.22	18.50	1.343	97.90	1.021	-0.18	0.316	0.433	---
	WLAN2.4GHz	---	---	---	---	802.11b 1Mbps	Right Tilted	0mm	Ant 8	Receiver on	11	2462	17.22	18.50	1.343	97.90	1.021	-0.13	0.285	0.391	---
	WLAN2.4GHz	---	---	---	---	802.11b 1Mbps	Left Cheek	0mm	Ant 8	Receiver on	11	2462	17.22	18.50	1.343	97.90	1.021	-0.03	0.780	1.069	---
	WLAN2.4GHz	---	---	---	---	802.11b 1Mbps	Left Cheek	0mm	Ant 8	Receiver on	1	2412	17.19	18.50	1.352	97.90	1.021	-0.12	0.899	1.241	1
Repeated	WLAN2.4GHz	---	---	---	---	802.11b 1Mbps	Left Cheek	0mm	Ant 8	Receiver on	1	2412	17.19	18.50	1.352	97.90	1.021	0.08	0.879	1.213	1.023
	WLAN2.4GHz	---	---	---	---	802.11b 1Mbps	Left Cheek	0mm	Ant 8	Receiver on	6	2437	16.98	18.50	1.419	97.90	1.021	-0.18	0.789	1.143	---
	WLAN2.4GHz	---	---	---	---	802.11g 6Mbps	Left Cheek	0mm	Ant 8	Receiver on	1	2412	17.05	18.50	1.396	97.49	1.026	0.18	0.860	1.232	---
	WLAN2.4GHz	---	---	---	---	802.11n-HT20 MCS0	Left Cheek	0mm	Ant 8	Receiver on	1	2412	16.98	18.50	1.419	97.31	1.028	-0.05	0.824	1.202	---
	WLAN2.4GHz	---	---	---	---	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 8	Receiver on	6	2437	16.21	18.00	1.510	92.96	1.076	0.11	0.723	1.175	---
	WLAN2.4GHz	---	---	---	---	802.11b 1Mbps	Left Tilted	0mm	Ant 8	Receiver on	11	2462	17.22	18.50	1.343	97.90	1.021	0.05	0.613	0.840	---
	WLAN2.4GHz	---	---	---	---	802.11b 1Mbps	Left Tilted	0mm	Ant 8	Receiver on	1	2412	17.19	18.50	1.352	97.90	1.021	0.07	0.591	0.816	---
	Bluetooth	---	---	---	---	1Mbps	Right Cheek	0mm	Ant 8	Full Power	39	2441	12.96	14.00	1.271	77.34	1.293	0.14	0.096	0.158	---
	Bluetooth	---	---	---	---	1Mbps	Right Tilted	0mm	Ant 8	Full Power	39	2441	12.96	14.00	1.271	77.34	1.293	0.04	0.094	0.154	---
14	Bluetooth	---	---	---	---	1Mbps	Left Cheek	0mm	Ant 8	Full Power	39	2441	12.96	14.00	1.271	77.34	1.293	0.04	0.234	0.384	---
	Bluetooth	---	---	---	---	1Mbps	Left Tilted	0mm	Ant 8	Full Power	39	2441	12.96	14.00	1.271	77.34	1.293	0.08	0.205	0.337	---
	WLAN5GHz	---	---	---	---	802.11a 6Mbps	Right Cheek	0mm	Ant 8	Receiver on	52	5260	16.61	18.00	1.377	97.58	1.025	-0.16	0.434	0.613	---
	WLAN5GHz	---	---	---	---	802.11a 6Mbps	Right Tilted	0mm	Ant 8	Receiver on	52	5260	16.61	18.00	1.377	97.58	1.025	0.05	0.507	0.716	---
	WLAN5GHz	---	---	---	---	802.11a 6Mbps	Left Cheek	0mm	Ant 8	Receiver on	52	5260	16.61	18.00	1.377	97.58	1.025	0.18	0.625	0.882	---
	WLAN5GHz	---	---	---	---	802.11a 6Mbps	Left Cheek	0mm	Ant 8	Receiver on	56	5280	16.55	18.00	1.396	97.58	1.025	-0.16	0.588	0.842	---
15	WLAN5GHz	---	---	---	---	802.11a 6Mbps	Left Tilted	0mm	Ant 8	Receiver on	52	5260	16.61	18.00	1.377	97.58	1.025	0.08	0.738	1.042	---
	WLAN5GHz	---	---	---	---	802.11a 6Mbps	Left Tilted	0mm	Ant 8	Receiver on	56	5280	16.55	18.00	1.396	97.58	1.025	0.01	0.676	0.968	---
	WLAN5GHz	---	---	---	---	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 8	Receiver on	142	5710	16.79	18.00	1.321	94.42	1.059	0.04	0.367	0.514	---
	WLAN5GHz	---	---	---	---	802.11n-HT40 MCS0	Right Tilted	0mm	Ant 8	Receiver on	142	5710	16.79	18.00	1.321	94.42	1.059	-0.1	0.493	0.690	---
	WLAN5GHz	---	---	---	---	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 8	Receiver on	142	5710	16.79	18.00	1.321	94.42	1.059	0.05	0.532	0.744	---
16	WLAN5GHz	---	---	---	---	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 8	Receiver on	142	5710	16.79	18.00	1.321	94.42	1.059	0.06	0.765	1.070	---
	WLAN5GHz	---	---	---	---	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 8	Receiver on	134	5670	16.72	18.00	1.343	94.42	1.059	0.06	0.700	0.995	---
	WLAN5GHz	---	---	---	---	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 8	Receiver on	151	5755	14.99	16.50	1.416	94.42	1.059	0.07	0.419	0.628	---
	WLAN5GHz	---	---	---	---	802.11n-HT40 MCS0	Right Tilted	0mm	Ant 8	Receiver on	151	5755	14.99	16.50	1.416	94.42	1.059	-0.09	0.601	0.901	---
	WLAN5GHz	---	---	---	---	802.11n-HT40 MCS0	Right Tilted	0mm	Ant 8	Receiver on	159	5795	14.79	16.50	1.483	94.42	1.059	0.12	0.517	0.812	---
	WLAN5GHz	---	---	---	---	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 8	Receiver on	151	5755	14.99	16.50	1.416	94.42	1.059	0.06	0.736	1.104	---
	WLAN5GHz	---	---	---	---	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 8	Receiver on	159	5795	14.79	16.50	1.483	94.42	1.059	-0.08	0.631	0.991	---
17	WLAN5GHz	---	---	---	---	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 8	Receiver on	151	5755	14.99	16.50	1.416	94.42	1.059	-0.1	0.812	1.217	---
	WLAN5GHz	---	---	---	---	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 8	Receiver on	159	5795	14.79	16.50	1.483	94.42	1.059	-0.04	0.705	1.107	---



SAR Test Record

SPORTON LTD.

Body SAR Test																						
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Headset	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Ratio
750MHz																						
	LTE Band 12	10M	QPSK	1	0	---	Front	5mm	Ant 0		DSI 4	23095	707.5	22.84	24.00	1.306			0.02	0.229	0.299	---
	LTE Band 12	10M	QPSK	25	0	---	Front	5mm	Ant 0		DSI 4	23095	707.5	21.87	23.00	1.297			0.06	0.169	0.219	---
18	LTE Band 12	10M	QPSK	1	0	---	Back	5mm	Ant 0		DSI 4	23095	707.5	22.84	24.00	1.306			-0.06	0.512	0.669	---
	LTE Band 12	10M	QPSK	25	0	---	Back	5mm	Ant 0		DSI 4	23095	707.5	21.87	23.00	1.297			0.02	0.375	0.486	---
	LTE Band 13	10M	QPSK	1	0	---	Front	5mm	Ant 0		DSI 4	23230	782	22.98	24.00	1.265			-0.04	0.440	0.566	---
	LTE Band 13	10M	QPSK	25	0	---	Front	5mm	Ant 0		DSI 4	23230	782	22.11	23.00	1.227			0.14	0.272	0.334	---
19	LTE Band 13	10M	QPSK	1	0	---	Back	5mm	Ant 0		DSI 4	23230	782	22.98	24.00	1.265			0.02	0.795	1.005	---
	LTE Band 13	10M	QPSK	25	0	---	Back	5mm	Ant 0		DSI 4	23230	782	22.11	23.00	1.227			-0.05	0.611	0.750	---
	LTE Band 13	10M	QPSK	50	0	---	Back	5mm	Ant 0		DSI 4	23230	782	22.02	23.00	1.253			0.13	0.689	0.863	---
835MHz																						
	GSM850	---	---	---	---	GPRS (2 Tx slots)	Front	5mm	Ant 0		DSI 4	189	836.4	30.71	31.50	1.199			0.16	0.358	0.429	---
20	GSM850	---	---	---	---	GPRS (2 Tx slots)	Back	5mm	Ant 0		DSI 4	189	836.4	30.71	31.50	1.199			-0.06	0.778	0.933	---
	GSM850	---	---	---	---	GPRS (2 Tx slots)	Back	5mm	Ant 0		DSI 4	128	824.2	30.50	31.50	1.259			-0.09	0.741	0.933	---
	GSM850	---	---	---	---	GPRS (2 Tx slots)	Back	5mm	Ant 0		DSI 4	251	848.8	30.35	31.50	1.303			-0.04	0.705	0.919	---
	WCDMA V	---	---	---	---	RMC 12.2Kbps	Front	5mm	Ant 0		DSI 4	4182	836.4	23.26	24.00	1.186			-0.01	0.324	0.384	---
	WCDMA V	---	---	---	---	RMC 12.2Kbps	Back	5mm	Ant 0		DSI 4	4182	836.4	23.26	24.00	1.186			0.06	0.685	0.812	---
	WCDMA V	---	---	---	---	RMC 12.2Kbps	Back	5mm	Ant 0		DSI 4	4132	826.4	23.21	24.00	1.199			0.16	0.569	0.683	---
21	WCDMA V	---	---	---	---	RMC 12.2Kbps	Back	5mm	Ant 0		DSI 4	4233	846.6	23.15	24.00	1.216			-0.07	0.809	0.984	---
	LTE Band 26	15M	QPSK	1	0	---	Front	5mm	Ant 0		DSI 4	26865	831.5	23.57	24.00	1.104			0.14	0.480	0.530	---
	LTE Band 26	15M	QPSK	36	0	---	Front	5mm	Ant 0		DSI 4	26865	831.5	22.52	23.00	1.117			0.03	0.287	0.321	---
22	LTE Band 26	15M	QPSK	1	0	---	Back	5mm	Ant 0		DSI 4	26865	831.5	23.57	24.00	1.104			-0.07	0.986	1.089	1
Repeated	LTE Band 26	15M	QPSK	1	0	---	Back	5mm	Ant 0		DSI 4	26865	831.5	23.57	24.00	1.104			0.01	0.951	1.050	1.037
	LTE Band 26	15M	QPSK	36	0	---	Back	5mm	Ant 0		DSI 4	26865	831.5	22.52	23.00	1.117			0.06	0.755	0.843	---
	LTE Band 26	15M	QPSK	75	0	---	Back	5mm	Ant 0		DSI 4	26865	831.5	22.49	23.00	1.125			0.01	0.577	0.649	---
1750MHz																						
	WCDMA IV	---	---	---	---	RMC 12.2Kbps	Front	5mm	Ant 0		DSI 3	1413	1732.6	17.64	18.50	1.219			0.04	0.489	0.596	---
23	WCDMA IV	---	---	---	---	RMC 12.2Kbps	Back	5mm	Ant 0		DSI 3	1413	1732.6	17.64	18.50	1.219			-0.14	1.040	1.268	---
	WCDMA IV	---	---	---	---	RMC 12.2Kbps	Back	5mm	Ant 0	Headset	DSI 3	1413	1732.6	17.64	18.50	1.219			0.03	0.971	1.184	---
	WCDMA IV	---	---	---	---	RMC 12.2Kbps	Back	5mm	Ant 0		DSI 3	1312	1712.4	17.59	18.50	1.233			-0.12	0.975	1.202	---
	WCDMA IV	---	---	---	---	RMC 12.2Kbps	Back	5mm	Ant 0		DSI 3	1513	1752.6	17.48	18.50	1.265			0.07	0.964	1.219	---
	WCDMA IV	---	---	---	---	RMC 12.2Kbps	Front	15mm	Ant 0		DSI 4	1413	1732.6	23.11	24.00	1.227			0.01	0.449	0.551	---
	WCDMA IV	---	---	---	---	RMC 12.2Kbps	Back	19mm	Ant 0		DSI 4	1413	1732.6	23.11	24.00	1.227			0.02	0.552	0.678	---
	LTE Band 66	20M	QPSK	1	0	---	Front	5mm	Ant 0		DSI 3	132322	1745	17.85	19.00	1.303			0.03	0.553	0.721	---
	LTE Band 66	20M	QPSK	50	0	---	Front	5mm	Ant 0		DSI 3	132322	1745	17.82	19.00	1.312			0.08	0.496	0.651	---
24	LTE Band 66	20M	QPSK	1	0	---	Back	5mm	Ant 0		DSI 3	132322	1745	17.85	19.00	1.303			0.03	1.080	1.407	---
	LTE Band 66	20M	QPSK	1	0	---	Back	5mm	Ant 0	Headset	DSI 3	132322	1745	17.85	19.00	1.303			0.01	0.977	1.273	---
	LTE Band 66	20M	QPSK	1	0	---	Back	5mm	Ant 0		DSI 3	132072	1720	17.63	19.00	1.371			0.05	1.010	1.385	---
	LTE Band 66	20M	QPSK	1	0	---	Back	5mm	Ant 0		DSI 3	132572	1770	17.77	19.00	1.327			-0.13	1.000	1.327	---
	LTE Band 66	20M	QPSK	50	0	---	Back	5mm	Ant 0		DSI 3	132322	1745	17.82	19.00	1.312			-0.04	0.907	1.190	---
	LTE Band 66	20M	QPSK	50	0	---	Back	5mm	Ant 0		DSI 3	132072	1720	17.52	19.00	1.406			0.1	0.921	1.295	---
	LTE Band 66	20M	QPSK	50	0	---	Back	5mm	Ant 0		DSI 3	132572	1770	17.60	19.00	1.380			0.04	0.989	1.365	---
	LTE Band 66	20M	QPSK	100	0	---	Back	5mm	Ant 0		DSI 3	132322	1745	17.63	19.00	1.371			0.04	0.999	1.370	---
	LTE Band 66	20M	QPSK	1	0	---	Front	15mm	Ant 0		DSI 4	132322	1745	22.81	24.00	1.315			0.06	0.351	0.462	---
	LTE Band 66	20M	QPSK	1	0	---	Back	19mm	Ant 0		DSI 4	132322	1745	22.81	24.00	1.315			0.07	0.489	0.643	---
1900MHz																						
	GSM1900	---	---	---	---	GPRS (2 Tx slots)	Front	5mm	Ant 0		DSI 4	661	1880	28.18	28.50	1.076			0.18	0.849	0.914	---
	GSM1900	---	---	---	---	GPRS (2 Tx slots)	Front	5mm	Ant 0		DSI 4	512	1850.2	28.06	28.50	1.107			-0.03	0.907	1.004	---
	GSM1900	---	---	---	---	GPRS (2 Tx slots)	Front	5mm	Ant 0		DSI 4	810	1909.8	28.17	28.50	1.079			0.04	0.895	0.966	---
25	GSM1900	---	---	---	---	GPRS (2 Tx slots)	Back	5mm	Ant 0		DSI 4	661	1880	28.18	28.50	1.076			0.1	1.310	1.410	1
Repeated	GSM1900	---	---	---	---	GPRS (2 Tx slots)	Back	5mm	Ant 0		DSI 4	661	1880	28.18	28.50	1.076			0.04	1.300	1.399	1.008
	GSM1900	---	---	---	---	GPRS (2 Tx slots)	Back	5mm	Ant 0	Headset	DSI 4	661	1880	28.18	28.50	1.076			0.03	1.130	1.216	---
	GSM1900	---	---	---	---	GPRS (2 Tx slots)	Back	5mm	Ant 0		DSI 4	512	1850.2	28.06	28.50	1.107			0.09	1.260	1.394	---
	GSM1900	---	---	---	---	GPRS (2 Tx slots)	Back	5mm	Ant 0		DSI 4	810	1909.8	28.17	28.50	1.079			0.11	1.190	1.284	---
	WCDMA II	---	---	---	---	RMC 12.2Kbps	Front	5mm	Ant 0		DSI 3	9400	1880	18.62	19.00	1.091			0.16	0.736	0.803	---
	WCDMA II	---	---	---	---	RMC 12.2Kbps	Front	5mm	Ant 0		DSI 3	9262	1852.4	18.53	19.00	1.114			0.06	0.625	0.696	---
	WCDMA II	---	---	---	---	RMC 12.2Kbps	Front	5mm	Ant 0		DSI 3	9538	1907.6	18.47	19.00	1.130			-0.17	0.616	0.696	---
26	WCDMA II	---	---	---	---	RMC 12.2Kbps	Back	5mm	Ant 0		DSI 3	9400	1880	18.62	19.00	1.091			0.01	1.190	1.299	---
	WCDMA II	---	---	---	---	RMC 12.2Kbps	Back	5mm	Ant 0	Headset	DSI 3	9400	1880	18.62	19.00	1.091			0.06	1.010	1.102	---
	WCDMA II	---	---	---	---	RMC 12.2Kbps	Back	5mm	Ant 0		DSI 3	9262	1852.4	18.53	19.00	1.114			0.12	1.030	1.148	---
	WCDMA II	---	---	---	---	RMC 12.2Kbps	Back	5mm	Ant 0		DSI 3	9538	1907.6	18.47	19.00	1.130			0.02	0.939	1.061	---
	WCDMA II	---	---	---	---	RMC 12.2Kbps	Front	15mm	Ant 0		DSI 4	9400	1880	23.51	24.00	1.119			-0.12	0.486	0.544	---
	WCDMA II	---	---	---	---	RMC 12.2Kbps	Back	19mm	Ant 0		DSI 4	9400	1880	23.51	24.00	1.119			0.08	0.572	0.640	---
	LTE Band 2	20M	QPSK	1	0	---	Front	5mm	Ant 0		DSI 3	18900	1880	17.24	18.50	1.						



SAR Test Record

Body SAR Test																						
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Headset	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Ratio
2600MHz																						
	LTE Band 7	20M	QPSK	1	0	---	Front	5mm	Ant 5		DSI 3	21100	2535	18.92	20.00	1.282			0.05	0.761	0.976	---
	LTE Band 7	20M	QPSK	1	0	---	Front	5mm	Ant 5		DSI 3	20850	2510	18.60	20.00	1.380			0.08	0.772	1.066	---
	LTE Band 7	20M	QPSK	1	0	---	Front	5mm	Ant 5		DSI 3	21350	2560	18.82	20.00	1.312			-0.11	0.750	0.984	---
	LTE Band 7	20M	QPSK	50	0	---	Front	5mm	Ant 5		DSI 3	21100	2535	18.89	20.00	1.291			-0.1	0.687	0.887	---
	LTE Band 7	20M	QPSK	50	0	---	Front	5mm	Ant 5		DSI 3	20850	2510	18.40	20.00	1.445			0.18	0.694	1.003	---
	LTE Band 7	20M	QPSK	50	0	---	Front	5mm	Ant 5		DSI 3	21350	2560	18.78	20.00	1.324			-0.04	0.666	0.882	---
	LTE Band 7	20M	QPSK	100	0	---	Front	5mm	Ant 5		DSI 3	21100	2535	18.71	20.00	1.346			-0.12	0.677	0.911	---
28	LTE Band 7	20M	QPSK	1	0	---	Back	5mm	Ant 5		DSI 3	21100	2535	18.92	20.00	1.282			0.09	1.010	1.295	---
	LTE Band 7	20M	QPSK	1	0	---	Back	5mm	Ant 5	Headset	DSI 3	21100	2535	18.92	20.00	1.282			0.06	0.901	1.155	---
	LTE Band 7	20M	QPSK	1	0	---	Back	5mm	Ant 5		DSI 3	20850	2510	18.60	20.00	1.380			0.18	0.922	1.273	---
	LTE Band 7	20M	QPSK	1	0	---	Back	5mm	Ant 5		DSI 3	21350	2560	18.82	20.00	1.312			0.08	0.978	1.283	---
	LTE Band 7	20M	QPSK	50	0	---	Back	5mm	Ant 5		DSI 3	21100	2535	18.89	20.00	1.291			-0.14	0.826	1.067	---
	LTE Band 7	20M	QPSK	50	0	---	Back	5mm	Ant 5		DSI 3	20850	2510	18.40	20.00	1.445			-0.17	0.819	1.184	---
	LTE Band 7	20M	QPSK	50	0	---	Back	5mm	Ant 5		DSI 3	21350	2560	18.78	20.00	1.324			0.03	0.905	1.199	---
	LTE Band 7	20M	QPSK	100	0	---	Back	5mm	Ant 5		DSI 3	21100	2535	18.71	20.00	1.346			0.07	0.908	1.222	---
	LTE Band 7	20M	QPSK	1	0	---	Front	15mm	Ant 5		DSI 4	20850	2510	22.68	24.00	1.355			0.08	0.385	0.522	---
	LTE Band 7	20M	QPSK	1	0	---	Back	19mm	Ant 5		DSI 4	21100	2535	22.79	24.00	1.321			0.09	0.304	0.402	---
	LTE Band 41	20M	QPSK	1	0	---	Front	5mm	Ant 5		DSI 3	40620	2593	21.89	23.00	1.291	62.9	1.006	0.09	0.652	0.847	---
	LTE Band 41	20M	QPSK	1	0	---	Front	5mm	Ant 5		DSI 3	39750	2506	21.85	23.00	1.303	62.9	1.006	-0.11	0.767	1.006	---
	LTE Band 41	20M	QPSK	1	0	---	Front	5mm	Ant 5		DSI 3	40185	2549.5	21.69	23.00	1.352	62.9	1.006	-0.04	0.712	0.968	---
	LTE Band 41	20M	QPSK	1	0	---	Front	5mm	Ant 5		DSI 3	41055	2636.5	21.80	23.00	1.318	62.9	1.006	0.06	0.627	0.832	---
	LTE Band 41	20M	QPSK	1	0	---	Front	5mm	Ant 5		DSI 3	41490	2680	21.61	23.00	1.377	62.9	1.006	-0.15	0.524	0.726	---
	LTE Band 41	20M	QPSK	50	0	---	Front	5mm	Ant 5		DSI 3	40620	2593	21.87	23.00	1.297	62.9	1.006	0.15	0.621	0.810	---
	LTE Band 41	20M	QPSK	50	0	---	Front	5mm	Ant 5		DSI 3	39750	2506	21.70	23.00	1.349	62.9	1.006	0.11	0.599	0.813	---
	LTE Band 41	20M	QPSK	50	0	---	Front	5mm	Ant 5		DSI 3	40185	2549.5	21.85	23.00	1.303	62.9	1.006	0.07	0.646	0.847	---
	LTE Band 41	20M	QPSK	50	0	---	Front	5mm	Ant 5		DSI 3	41055	2636.5	21.83	23.00	1.309	62.9	1.006	0.1	0.627	0.826	---
	LTE Band 41	20M	QPSK	50	0	---	Front	5mm	Ant 5		DSI 3	41490	2680	21.59	23.00	1.384	62.9	1.006	0.03	0.666	0.927	---
	LTE Band 41	20M	QPSK	100	0	---	Front	5mm	Ant 5		DSI 3	40620	2593	21.80	23.00	1.318	62.9	1.006	0.03	0.643	0.853	---
29	LTE Band 41	20M	QPSK	1	0	---	Back	5mm	Ant 5		DSI 3	40620	2593	21.89	23.00	1.291	62.9	1.006	0.13	1.090	1.416	---
Repeated	LTE Band 41	20M	QPSK	1	0	---	Back	5mm	Ant 5	Headset	DSI 4	40620	2593	21.89	23.00	1.291	62.9	1.006	0.01	1.030	1.338	1.058
	LTE Band 41	20M	QPSK	1	0	---	Back	5mm	Ant 5		DSI 4	40620	2593	21.89	23.00	1.291	62.9	1.006	0.01	0.892	1.159	---
	LTE Band 41	20M	QPSK	1	0	---	Back	5mm	Ant 5		DSI 3	39750	2506	21.85	23.00	1.303	62.9	1.006	0.04	0.986	1.293	---
	LTE Band 41	20M	QPSK	1	0	---	Back	5mm	Ant 5		DSI 3	40185	2549.5	21.69	23.00	1.352	62.9	1.006	0.06	1.030	1.401	---
	LTE Band 41	20M	QPSK	1	0	---	Back	5mm	Ant 5		DSI 3	41055	2636.5	21.80	23.00	1.318	62.9	1.006	0.18	0.950	1.260	---
	LTE Band 41	20M	QPSK	1	0	---	Back	5mm	Ant 5		DSI 3	41490	2680	21.61	23.00	1.377	62.9	1.006	-0.06	0.743	1.029	---
	LTE Band 41	20M	QPSK	50	0	---	Back	5mm	Ant 5		DSI 3	40620	2593	21.87	23.00	1.297	62.9	1.006	0.09	0.827	1.079	---
	LTE Band 41	20M	QPSK	50	0	---	Back	5mm	Ant 5		DSI 3	39750	2506	21.70	23.00	1.349	62.9	1.006	0.04	0.788	1.069	---
	LTE Band 41	20M	QPSK	50	0	---	Back	5mm	Ant 5		DSI 3	40185	2549.5	21.85	23.00	1.303	62.9	1.006	0.09	0.834	1.093	---
	LTE Band 41	20M	QPSK	50	0	---	Back	5mm	Ant 5		DSI 3	41055	2636.5	21.83	23.00	1.309	62.9	1.006	0.13	0.876	1.154	---
	LTE Band 41	20M	QPSK	50	0	---	Back	5mm	Ant 5		DSI 3	41490	2680	21.59	23.00	1.384	62.9	1.006	-0.02	0.898	1.250	---
	LTE Band 41	20M	QPSK	100	0	---	Back	5mm	Ant 5		DSI 3	40620	2593	21.80	23.00	1.318	62.9	1.006	0.11	0.899	1.192	---
	LTE Band 41	20M	QPSK	1	0	---	Front	15mm	Ant 5		DSI 4	39750	2506	22.76	24.00	1.330	62.9	1.006	0.07	0.295	0.395	---
	LTE Band 41	20M	QPSK	1	0	---	Back	19mm	Ant 5		DSI 4	40620	2593	22.79	24.00	1.321	62.9	1.006	0.06	0.179	0.238	---
WLAN/BT																						
	WLAN2.4GHz	---	---	---	---	802.11b 1Mbps	Front	5mm	Ant 8		Sensor on	11	2462	18.60	20.00	1.380	97.9	1.021	0.18	0.596	0.840	---
	WLAN2.4GHz	---	---	---	---	802.11b 1Mbps	Front	5mm	Ant 8		Sensor on	1	2412	18.55	20.00	1.396	97.9	1.021	0.03	0.560	0.798	---
	WLAN2.4GHz	---	---	---	---	802.11b 1Mbps	Back	5mm	Ant 8		Sensor on	11	2462	18.60	20.00	1.380	97.9	1.021	-0.13	0.825	1.163	---
30	WLAN2.4GHz	---	---	---	---	802.11b 1Mbps	Back	5mm	Ant 8		Sensor on	1	2412	18.55	20.00	1.396	97.9	1.021	0.06	0.833	1.188	---
	WLAN2.4GHz	---	---	---	---	802.11b 1Mbps	Back	5mm	Ant 8		Sensor on	6	2437	18.27	20.00	1.489	97.9	1.021	0.09	0.768	1.168	---
	WLAN2.4GHz	---	---	---	---	802.11b 1Mbps	Front	15mm	Ant 8		Full Power	11	2462	19.12	20.50	1.373	97.9	1.021	-0.13	0.211	0.296	---
	WLAN2.4GHz	---	---	---	---	802.11b 1Mbps	Back	19mm	Ant 8		Full Power	1	2412	19.00	20.50	1.412	97.9	1.021	-0.1	0.078	0.112	---
31	Bluetooth	---	---	---	---	1Mbps	Back	5mm	Ant 8		Full Power	39	2441	12.96	14.00	1.271	77.34	1.293	0.18	0.123	0.202	---
	WLAN5GHz	---	---	---	---	802.11a 6Mbps	Front	5mm	Ant 8		Sensor on	52	5260	16.61	18.00	1.377	97.58	1.025	0.09	0.180	0.254	---
32	WLAN5GHz	---	---	---	---	802.11a 6Mbps	Back	5mm	Ant 8		Sensor on	52	5260	16.61	18.00	1.377	97.58	1.025	-0.12	0.737	1.040	---
	WLAN5GHz	---	---	---	---	802.11a 6Mbps	Back	5mm	Ant 8		Sensor on	56	5280	16.55	18.00	1.396	97.58	1.025	0.01	0.609	0.872	---
	WLAN5GHz	---	---	---	---	802.11a 6Mbps	Front	15mm	Ant 8		Full Power	52	5260	18.08	19.							



SAR Test Record

Hotspot SAR Test																					
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Ratio
750MHz																					
35	LTE Band 12	10M	QPSK	1	0	---	Front	5mm	Ant 0	DSI 4	23095	707.5	22.84	24.00	1.306			0.02	0.229	0.299	---
	LTE Band 12	10M	QPSK	25	0	---	Front	5mm	Ant 0	DSI 4	23095	707.5	21.87	23.00	1.297			0.06	0.169	0.219	---
	LTE Band 12	10M	QPSK	1	0	---	Back	5mm	Ant 0	DSI 4	23095	707.5	22.84	24.00	1.306			-0.06	0.512	0.669	---
	LTE Band 12	10M	QPSK	25	0	---	Back	5mm	Ant 0	DSI 4	23095	707.5	21.87	23.00	1.297			0.02	0.375	0.486	---
	LTE Band 12	10M	QPSK	1	0	---	Left Side	5mm	Ant 0	DSI 4	23095	707.5	22.84	24.00	1.306			0.03	0.205	0.268	---
	LTE Band 12	10M	QPSK	25	0	---	Left Side	5mm	Ant 0	DSI 4	23095	707.5	21.87	23.00	1.297			0.16	0.273	0.354	---
	LTE Band 12	10M	QPSK	1	0	---	Right Side	5mm	Ant 0	DSI 4	23095	707.5	22.84	24.00	1.306			0.08	0.410	0.536	---
	LTE Band 12	10M	QPSK	25	0	---	Right Side	5mm	Ant 0	DSI 4	23095	707.5	21.87	23.00	1.297			-0.04	0.299	0.388	---
	LTE Band 12	10M	QPSK	1	0	---	Bottom Side	5mm	Ant 0	DSI 4	23095	707.5	22.84	24.00	1.306			-0.12	0.296	0.387	---
LTE Band 12	10M	QPSK	25	0	---	Bottom Side	5mm	Ant 0	DSI 4	23095	707.5	21.87	23.00	1.297			-0.03	0.219	0.284	---	
36	LTE Band 13	10M	QPSK	1	0	---	Front	5mm	Ant 0	DSI 4	23230	782	22.98	24.00	1.265			-0.04	0.440	0.556	---
	LTE Band 13	10M	QPSK	25	0	---	Front	5mm	Ant 0	DSI 4	23230	782	22.11	23.00	1.227			0.14	0.272	0.334	---
	LTE Band 13	10M	QPSK	1	0	---	Back	5mm	Ant 0	DSI 4	23230	782	22.98	24.00	1.265			0.02	0.795	1.005	---
	LTE Band 13	10M	QPSK	25	0	---	Back	5mm	Ant 0	DSI 4	23230	782	22.11	23.00	1.227			-0.05	0.611	0.750	---
	LTE Band 13	10M	QPSK	50	0	---	Back	5mm	Ant 0	DSI 4	23230	782	22.02	23.00	1.253			0.13	0.689	0.863	---
	LTE Band 13	10M	QPSK	1	0	---	Left Side	5mm	Ant 0	DSI 4	23230	782	22.98	24.00	1.265			0.02	0.315	0.398	---
	LTE Band 13	10M	QPSK	25	0	---	Left Side	5mm	Ant 0	DSI 4	23230	782	22.11	23.00	1.227			0.04	0.388	0.476	---
	LTE Band 13	10M	QPSK	1	0	---	Right Side	5mm	Ant 0	DSI 4	23230	782	22.98	24.00	1.265			0.01	0.546	0.691	---
	LTE Band 13	10M	QPSK	25	0	---	Right Side	5mm	Ant 0	DSI 4	23230	782	22.11	23.00	1.227			-0.1	0.327	0.401	---
LTE Band 13	10M	QPSK	1	0	---	Bottom Side	5mm	Ant 0	DSI 4	23230	782	22.98	24.00	1.265			-0.09	0.515	0.651	---	
LTE Band 13	10M	QPSK	25	0	---	Bottom Side	5mm	Ant 0	DSI 4	23230	782	22.11	23.00	1.227			0.03	0.339	0.416	---	
835MHz																					
37	GSM850	---	---	---	---	GPRS (2 Tx slots)	Front	5mm	Ant 0	DSI 4	189	836.4	30.71	31.50	1.199			0.16	0.358	0.429	---
	GSM850	---	---	---	---	GPRS (2 Tx slots)	Back	5mm	Ant 0	DSI 4	189	836.4	30.71	31.50	1.199			-0.06	0.778	0.933	---
	GSM850	---	---	---	---	GPRS (2 Tx slots)	Back	5mm	Ant 0	DSI 4	128	824.2	30.50	31.50	1.259			-0.09	0.741	0.933	---
	GSM850	---	---	---	---	GPRS (2 Tx slots)	Back	5mm	Ant 0	DSI 4	251	848.8	30.35	31.50	1.303			-0.04	0.705	0.919	---
	GSM850	---	---	---	---	GPRS (2 Tx slots)	Left Side	5mm	Ant 0	DSI 4	189	836.4	30.71	31.50	1.199			0.07	0.218	0.261	---
	GSM850	---	---	---	---	GPRS (2 Tx slots)	Right Side	5mm	Ant 0	DSI 4	189	836.4	30.71	31.50	1.199			0.07	0.285	0.342	---
	GSM850	---	---	---	---	GPRS (2 Tx slots)	Bottom Side	5mm	Ant 0	DSI 4	189	836.4	30.71	31.50	1.199			0.09	0.307	0.368	---
38	WCDMA V	---	---	---	---	RMC 12.2Kbps	Front	5mm	Ant 0	DSI 4	4182	836.4	23.26	24.00	1.186			-0.01	0.324	0.384	---
	WCDMA V	---	---	---	---	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 4	4182	836.4	23.26	24.00	1.186			0.06	0.685	0.812	---
	WCDMA V	---	---	---	---	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 4	4132	826.4	23.21	24.00	1.199			0.16	0.569	0.683	---
	WCDMA V	---	---	---	---	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 4	4233	846.6	23.15	24.00	1.216			-0.07	0.809	0.984	---
	WCDMA V	---	---	---	---	RMC 12.2Kbps	Left Side	5mm	Ant 0	DSI 4	4182	836.4	23.26	24.00	1.186			0.17	0.191	0.226	---
	WCDMA V	---	---	---	---	RMC 12.2Kbps	Right Side	5mm	Ant 0	DSI 4	4182	836.4	23.26	24.00	1.186			-0.03	0.251	0.298	---
	WCDMA V	---	---	---	---	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI 4	4182	836.4	23.26	24.00	1.186			-0.12	0.229	0.272	---
39	LTE Band 26	15M	QPSK	1	0	---	Front	5mm	Ant 0	DSI 4	26865	831.5	23.57	24.00	1.104			0.14	0.480	0.530	---
	LTE Band 26	15M	QPSK	36	0	---	Front	5mm	Ant 0	DSI 4	26865	831.5	22.52	23.00	1.117			0.03	0.287	0.321	---
	LTE Band 26	15M	QPSK	1	0	---	Back	5mm	Ant 0	DSI 4	26865	831.5	23.57	24.00	1.104			-0.07	0.986	1.089	---
	LTE Band 26	15M	QPSK	36	0	---	Back	5mm	Ant 0	DSI 4	26865	831.5	22.52	23.00	1.117			0.06	0.755	0.843	---
	LTE Band 26	15M	QPSK	75	0	---	Back	5mm	Ant 0	DSI 4	26865	831.5	22.49	23.00	1.125			0.01	0.577	0.649	---
	LTE Band 26	15M	QPSK	1	0	---	Left Side	5mm	Ant 0	DSI 4	26865	831.5	23.57	24.00	1.104			0.13	0.291	0.321	---
	LTE Band 26	15M	QPSK	36	0	---	Left Side	5mm	Ant 0	DSI 4	26865	831.5	22.52	23.00	1.117			0.08	0.169	0.189	---
	LTE Band 26	15M	QPSK	1	0	---	Right Side	5mm	Ant 0	DSI 4	26865	831.5	23.57	24.00	1.104			0.14	0.411	0.454	---
	LTE Band 26	15M	QPSK	36	0	---	Right Side	5mm	Ant 0	DSI 4	26865	831.5	22.52	23.00	1.117			0.18	0.235	0.262	---
LTE Band 26	15M	QPSK	1	0	---	Bottom Side	5mm	Ant 0	DSI 4	26865	831.5	23.57	24.00	1.104			0.19	0.436	0.481	---	
LTE Band 26	15M	QPSK	36	0	---	Bottom Side	5mm	Ant 0	DSI 4	26865	831.5	22.52	23.00	1.117			0.1	0.352	0.393	---	
1750MHz																					
40	WCDMA IV	---	---	---	---	RMC 12.2Kbps	Front	5mm	Ant 0	DSI 3	1413	1732.6	17.64	18.50	1.219			0.04	0.489	0.596	---
	WCDMA IV	---	---	---	---	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 3	1413	1732.6	17.64	18.50	1.219			-0.14	1.040	1.268	---
	WCDMA IV	---	---	---	---	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 3	1312	1712.4	17.59	18.50	1.233			-0.12	0.975	1.202	---
	WCDMA IV	---	---	---	---	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 3	1513	1752.6	17.48	18.50	1.265			0.07	0.964	1.219	---
	WCDMA IV	---	---	---	---	RMC 12.2Kbps	Left Side	5mm	Ant 0	DSI 7	1413	1732.6	17.14	18.00	1.219			-0.19	0.036	0.044	---
	WCDMA IV	---	---	---	---	RMC 12.2Kbps	Right Side	5mm	Ant 0	DSI 7	1413	1732.6	17.14	18.00	1.219			-0.16	0.108	0.132	---
	WCDMA IV	---	---	---	---	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI 7	1413	1732.6	17.14	18.00	1.219			-0.03	1.170	1.426	1
	WCDMA IV	---	---	---	---	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI 7	1413	1732.6	17.14	18.00	1.219			0.02	1.110	1.353	1.054
	WCDMA IV	---	---	---	---	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI 7	1312	1712.4	17.09	18.00	1.233			0.02	1.110	1.369	---
WCDMA IV	---	---	---	---	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI 7	1513	1752.6	16.98	18.00	1.265			0.08	1.050	1.328	---	
41	LTE Band 66	20M	QPSK	1	0	---	Front	5mm	Ant 0	DSI 3	132322	1745	17.85	19.00	1.303			0.03	0.553	0.721	---
	LTE Band 66	20M	QPSK	50	0	---	Front	5mm	Ant 0	DSI 3	132322	1745	17.82	19.00	1.312			0.08	0.496	0.651	---
	LTE Band 66	20M	QPSK	1	0	---	Back	5mm	Ant 0	DSI 3	132322	1745	17.85	19.00	1.303			0.03	1.080	1.407	---
	LTE Band 66	20M	QPSK	1	0	---	Back	5mm	Ant 0	DSI 3	132072	1720	17.63	19.00	1.371			0.05	1.010	1.385	---
	LTE Band 66	20M	QPSK	1	0	---	Back	5mm	Ant 0	DSI 3	132572	1770	17.77	19.00	1.327			-0.13	1.000	1.327	---
	LTE Band 66	20M	QPSK	50	0	---	Back	5mm	Ant 0	DSI 3	132322	1745	17.82	19.00	1.312			-0.04	0.907	1.190	---
	LTE Band 66	20M	QPSK	50	0	---	Back	5mm	Ant 0	DSI 3	132072	1720									



SAR Test Record

Hotspot SAR Test																					
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Ratio
1900MHz																					
	LTE Band 2	20M	QPSK	1	0	---	Front	5mm	Ant 0	DSI 3	18900	1880	17.24	18.50	1.337			-0.19	0.602	0.805	---
	LTE Band 2	20M	QPSK	1	0	---	Front	5mm	Ant 0	DSI 3	18700	1860	17.08	18.50	1.387			0.12	0.560	0.777	---
	LTE Band 2	20M	QPSK	1	0	---	Front	5mm	Ant 0	DSI 3	19100	1900	17.09	18.50	1.384			-0.18	0.544	0.753	---
	LTE Band 2	20M	QPSK	50	0	---	Front	5mm	Ant 0	DSI 3	18900	1880	17.19	18.50	1.352			0.18	0.589	0.796	---
	LTE Band 2	20M	QPSK	100	0	---	Front	5mm	Ant 0	DSI 3	18900	1880	17.05	18.50	1.396			0.05	0.519	0.725	---
44	LTE Band 2	20M	QPSK	1	0	---	Back	5mm	Ant 0	DSI 3	18900	1880	17.24	18.50	1.337			0.07	1.030	1.377	---
	LTE Band 2	20M	QPSK	1	0	---	Back	5mm	Ant 0	DSI 3	18700	1860	17.08	18.50	1.387			0.14	0.985	1.366	---
	LTE Band 2	20M	QPSK	1	0	---	Back	5mm	Ant 0	DSI 3	19100	1900	17.09	18.50	1.384			0.04	0.871	1.205	---
	LTE Band 2	20M	QPSK	50	0	---	Back	5mm	Ant 0	DSI 3	18900	1880	17.19	18.50	1.352			0.09	0.869	1.175	---
	LTE Band 2	20M	QPSK	50	0	---	Back	5mm	Ant 0	DSI 3	18700	1860	16.90	18.50	1.445			0.12	0.887	1.281	---
	LTE Band 2	20M	QPSK	50	0	---	Back	5mm	Ant 0	DSI 3	19100	1900	17.03	18.50	1.403			-0.14	0.889	1.247	---
	LTE Band 2	20M	QPSK	100	0	---	Back	5mm	Ant 0	DSI 3	18900	1880	17.05	18.50	1.396			0.01	0.841	1.174	---
	LTE Band 2	20M	QPSK	1	0	---	Left Side	5mm	Ant 0	DSI 7	18900	1880	16.35	17.50	1.303			0.07	0.053	0.069	---
	LTE Band 2	20M	QPSK	50	0	---	Left Side	5mm	Ant 0	DSI 7	18900	1880	16.17	17.50	1.358			-0.18	0.034	0.046	---
	LTE Band 2	20M	QPSK	1	0	---	Right Side	5mm	Ant 0	DSI 7	18900	1880	16.35	17.50	1.303			0.01	0.086	0.112	---
	LTE Band 2	20M	QPSK	50	0	---	Right Side	5mm	Ant 0	DSI 7	18900	1880	16.17	17.50	1.358			0.07	0.056	0.076	---
	LTE Band 2	20M	QPSK	1	0	---	Bottom Side	5mm	Ant 0	DSI 7	18900	1880	16.35	17.50	1.303			-0.07	0.904	1.178	---
	LTE Band 2	20M	QPSK	1	0	---	Bottom Side	5mm	Ant 0	DSI 7	18700	1860	16.01	17.50	1.409			-0.01	0.936	1.319	---
	LTE Band 2	20M	QPSK	1	0	---	Bottom Side	5mm	Ant 0	DSI 7	19100	1900	16.13	17.50	1.371			0.03	0.716	0.982	---
	LTE Band 2	20M	QPSK	50	0	---	Bottom Side	5mm	Ant 0	DSI 7	18900	1880	16.17	17.50	1.358			0.13	0.866	1.176	---
	LTE Band 2	20M	QPSK	50	0	---	Bottom Side	5mm	Ant 0	DSI 7	18700	1860	15.88	17.50	1.452			-0.04	0.882	1.281	---
	LTE Band 2	20M	QPSK	50	0	---	Bottom Side	5mm	Ant 0	DSI 7	19100	1900	15.99	17.50	1.416			0.02	0.876	1.240	---
	LTE Band 2	20M	QPSK	100	0	---	Bottom Side	5mm	Ant 0	DSI 7	18900	1880	16.04	17.50	1.400			0.07	0.853	1.194	---
2600MHz																					
	LTE Band 7	20M	QPSK	1	0	---	Front	5mm	Ant 5	DSI 3	21100	2535	18.92	20.00	1.282			0.05	0.761	0.976	---
	LTE Band 7	20M	QPSK	1	0	---	Front	5mm	Ant 5	DSI 3	20850	2510	18.60	20.00	1.380			0.08	0.772	1.066	---
	LTE Band 7	20M	QPSK	1	0	---	Front	5mm	Ant 5	DSI 3	21350	2560	18.82	20.00	1.312			-0.11	0.750	0.984	---
	LTE Band 7	20M	QPSK	50	0	---	Front	5mm	Ant 5	DSI 3	21100	2535	18.89	20.00	1.291			-0.1	0.687	0.887	---
	LTE Band 7	20M	QPSK	50	0	---	Front	5mm	Ant 5	DSI 3	20850	2510	18.40	20.00	1.445			0.18	0.694	1.003	---
	LTE Band 7	20M	QPSK	50	0	---	Front	5mm	Ant 5	DSI 3	21350	2560	18.78	20.00	1.324			-0.04	0.666	0.882	---
	LTE Band 7	20M	QPSK	100	0	---	Front	5mm	Ant 5	DSI 3	21100	2535	18.71	20.00	1.346			-0.12	0.677	0.911	---
45	LTE Band 7	20M	QPSK	1	0	---	Back	5mm	Ant 5	DSI 3	21100	2535	18.92	20.00	1.282			0.09	1.010	1.295	---
	LTE Band 7	20M	QPSK	1	0	---	Back	5mm	Ant 5	DSI 3	20850	2510	18.60	20.00	1.380			0.18	0.922	1.273	---
	LTE Band 7	20M	QPSK	1	0	---	Back	5mm	Ant 5	DSI 3	21350	2560	18.82	20.00	1.312			0.08	0.978	1.283	---
	LTE Band 7	20M	QPSK	50	0	---	Back	5mm	Ant 5	DSI 3	21100	2535	18.89	20.00	1.291			-0.14	0.826	1.067	---
	LTE Band 7	20M	QPSK	50	0	---	Back	5mm	Ant 5	DSI 3	20850	2510	18.40	20.00	1.445			-0.17	0.819	1.184	---
	LTE Band 7	20M	QPSK	50	0	---	Back	5mm	Ant 5	DSI 3	21350	2560	18.78	20.00	1.324			0.03	0.905	1.199	---
	LTE Band 7	20M	QPSK	100	0	---	Back	5mm	Ant 5	DSI 3	21100	2535	18.71	20.00	1.346			0.07	0.908	1.222	---
	LTE Band 7	20M	QPSK	1	0	---	Left Side	5mm	Ant 5	DSI 7	21100	2535	18.92	20.00	1.282			0.08	0.276	0.354	---
	LTE Band 7	20M	QPSK	50	0	---	Left Side	5mm	Ant 5	DSI 7	21100	2535	18.89	20.00	1.291			0.03	0.288	0.372	---
	LTE Band 7	20M	QPSK	1	0	---	Bottom Side	5mm	Ant 5	DSI 7	21100	2535	18.92	20.00	1.282			-0.12	0.583	0.748	---
	LTE Band 7	20M	QPSK	50	0	---	Bottom Side	5mm	Ant 5	DSI 7	21100	2535	18.89	20.00	1.291			0.08	0.577	0.745	---
	LTE Band 41	20M	QPSK	1	0	---	Front	5mm	Ant 5	DSI 3	40620	2593	21.89	23.00	1.291	62.9	1.006	0.09	0.652	0.847	---
	LTE Band 41	20M	QPSK	1	0	---	Front	5mm	Ant 5	DSI 3	39750	2506	21.85	23.00	1.303	62.9	1.006	-0.11	0.767	1.006	---
	LTE Band 41	20M	QPSK	1	0	---	Front	5mm	Ant 5	DSI 3	40185	2549.5	21.69	23.00	1.352	62.9	1.006	-0.04	0.712	0.968	---
	LTE Band 41	20M	QPSK	1	0	---	Front	5mm	Ant 5	DSI 3	41055	2636.5	21.80	23.00	1.318	62.9	1.006	0.06	0.627	0.832	---
	LTE Band 41	20M	QPSK	1	0	---	Front	5mm	Ant 5	DSI 3	41490	2680	21.61	23.00	1.377	62.9	1.006	-0.15	0.524	0.726	---
	LTE Band 41	20M	QPSK	50	0	---	Front	5mm	Ant 5	DSI 3	40620	2593	21.87	23.00	1.297	62.9	1.006	0.15	0.621	0.810	---
	LTE Band 41	20M	QPSK	50	0	---	Front	5mm	Ant 5	DSI 3	39750	2506	21.70	23.00	1.349	62.9	1.006	0.11	0.599	0.813	---
	LTE Band 41	20M	QPSK	50	0	---	Front	5mm	Ant 5	DSI 3	40185	2549.5	21.85	23.00	1.303	62.9	1.006	0.07	0.646	0.847	---
	LTE Band 41	20M	QPSK	50	0	---	Front	5mm	Ant 5	DSI 3	41055	2636.5	21.83	23.00	1.309	62.9	1.006	0.1	0.627	0.826	---
	LTE Band 41	20M	QPSK	50	0	---	Front	5mm	Ant 5	DSI 3	41490	2680	21.59	23.00	1.384	62.9	1.006	0.03	0.666	0.927	---
46	LTE Band 41	20M	QPSK	100	0	---	Front	5mm	Ant 5	DSI 3	40620	2593	21.80	23.00	1.318	62.9	1.006	0.03	0.643	0.853	---
	LTE Band 41	20M	QPSK	1	0	---	Back	5mm	Ant 5	DSI 3	40620	2593	21.89	23.00	1.291	62.9	1.006	0.13	1.090	1.416	---
	LTE Band 41	20M	QPSK	1	0	---	Back	5mm	Ant 5	DSI 3	39750	2506	21.85	23.00	1.303	62.9	1.006	0.04	0.986	1.293	---
	LTE Band 41	20M	QPSK	1	0	---	Back	5mm	Ant 5	DSI 3	40185	2549.5	21.69	23.00	1.352	62.9	1.006	0.06	1.030	1.401	---
	LTE Band 41	20M	QPSK	1	0	---	Back	5mm	Ant 5	DSI 3	41055	2636.5	21.80	23.00	1.318						



SAR Test Record

Product Specific 10g SAR Test																					
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)	Ratio
1750MHz																					
	WCDMA IV	—	—	—	—	RMC 12.2Kbps	Front	0mm	Ant 0	DSI 6	1413	1732.6	21.11	22.00	1.227			-0.08	1.800	2.209	—
	WCDMA IV	—	—	—	—	RMC 12.2Kbps	Front	0mm	Ant 0	DSI 6	1312	1712.4	20.92	22.00	1.282			0.12	1.710	2.193	—
	WCDMA IV	—	—	—	—	RMC 12.2Kbps	Front	0mm	Ant 0	DSI 6	1513	1752.6	21.13	22.00	1.222			-0.15	1.750	2.138	—
	WCDMA IV	—	—	—	—	RMC 12.2Kbps	Back	0mm	Ant 0	DSI 6	1413	1732.6	21.11	22.00	1.227			-0.03	2.770	3.400	—
	WCDMA IV	—	—	—	—	RMC 12.2Kbps	Back	0mm	Ant 0	DSI 6	1312	1712.4	20.92	22.00	1.282			0.03	2.770	3.552	—
	WCDMA IV	—	—	—	—	RMC 12.2Kbps	Back	0mm	Ant 0	DSI 6	1513	1752.6	21.13	22.00	1.222			0.02	2.810	3.433	—
51	WCDMA IV	—	—	—	—	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI 6	1413	1732.6	21.11	22.00	1.227			-0.02	2.910	3.572	1
Repeated	WCDMA IV	—	—	—	—	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI 6	1413	1732.6	21.11	22.00	1.227			0.03	2.880	3.535	1.01
	WCDMA IV	—	—	—	—	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI 6	1312	1712.4	20.92	22.00	1.282			-0.09	2.780	3.565	—
	WCDMA IV	—	—	—	—	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI 6	1513	1752.6	21.13	22.00	1.222			0.02	2.470	3.018	—
	WCDMA IV	—	—	—	—	RMC 12.2Kbps	Front	10mm	Ant 0	DSI 4	1413	1732.6	23.11	24.00	1.227			0.11	0.473	0.581	—
	WCDMA IV	—	—	—	—	RMC 12.2Kbps	Back	19mm	Ant 0	DSI 4	1312	1712.4	22.88	24.00	1.294			0.08	0.323	0.418	—
	WCDMA IV	—	—	—	—	RMC 12.2Kbps	Bottom Side	18mm	Ant 0	DSI 4	1413	1732.6	23.11	24.00	1.227			0.06	0.391	0.480	—
	LTE Band 66	20M	QPSK	1	0	—	Front	0mm	Ant 0	DSI 6	132322	1745	21.39	22.50	1.291			0.17	1.430	1.846	—
	LTE Band 66	20M	QPSK	50	0	—	Front	0mm	Ant 0	DSI 6	132322	1745	21.33	22.50	1.309			0.05	0.960	1.257	—
	LTE Band 66	20M	QPSK	1	0	—	Back	0mm	Ant 0	DSI 6	132322	1745	21.39	22.50	1.291			-0.16	2.340	3.021	—
	LTE Band 66	20M	QPSK	1	0	—	Back	0mm	Ant 0	DSI 6	132072	1720	21.17	22.50	1.358			0.02	2.520	3.423	—
	LTE Band 66	20M	QPSK	1	0	—	Back	0mm	Ant 0	DSI 6	132572	1770	21.29	22.50	1.321			-0.07	2.260	2.986	—
	LTE Band 66	20M	QPSK	50	0	—	Back	0mm	Ant 0	DSI 6	132322	1745	21.33	22.50	1.309			0.16	2.110	2.762	—
	LTE Band 66	20M	QPSK	50	0	—	Back	0mm	Ant 0	DSI 6	132072	1720	21.04	22.50	1.400			0.17	2.090	2.925	—
	LTE Band 66	20M	QPSK	50	0	—	Back	0mm	Ant 0	DSI 6	132572	1770	21.19	22.50	1.352			0.16	2.080	2.812	—
	LTE Band 66	20M	QPSK	100	0	—	Back	0mm	Ant 0	DSI 6	132322	1745	21.28	22.50	1.324			-0.05	2.190	2.900	—
52	LTE Band 66	20M	QPSK	1	0	—	Bottom Side	0mm	Ant 0	DSI 6	132322	1745	21.39	22.50	1.291			-0.05	2.670	3.448	—
	LTE Band 66	20M	QPSK	1	0	—	Bottom Side	0mm	Ant 0	DSI 6	132072	1720	21.17	22.50	1.358			0.05	2.340	3.178	—
	LTE Band 66	20M	QPSK	1	0	—	Bottom Side	0mm	Ant 0	DSI 6	132572	1770	21.29	22.50	1.321			0.05	2.490	3.290	—
	LTE Band 66	20M	QPSK	50	0	—	Bottom Side	0mm	Ant 0	DSI 6	132322	1745	21.33	22.50	1.309			0.01	1.720	2.252	—
	LTE Band 66	20M	QPSK	50	0	—	Bottom Side	0mm	Ant 0	DSI 6	132072	1720	21.04	22.50	1.400			0.09	1.810	2.533	—
	LTE Band 66	20M	QPSK	50	0	—	Bottom Side	0mm	Ant 0	DSI 6	132572	1770	21.19	22.50	1.352			0.02	1.670	2.258	—
	LTE Band 66	20M	QPSK	100	0	—	Bottom Side	0mm	Ant 0	DSI 6	132322	1745	21.28	22.50	1.324			-0.06	1.720	2.278	—
	LTE Band 66	20M	QPSK	1	0	—	Front	10mm	Ant 0	DSI 4	132322	1745	22.81	24.00	1.315			0.11	0.387	0.509	—
	LTE Band 66	20M	QPSK	1	0	—	Back	19mm	Ant 0	DSI 4	132072	1720	22.62	24.00	1.374			0.19	0.278	0.382	—
	LTE Band 66	20M	QPSK	1	0	—	Bottom Side	18mm	Ant 0	DSI 4	132322	1745	22.81	24.00	1.315			0.05	0.337	0.443	—
1900MHz																					
53	GSM1900	—	—	—	—	GPRS (2 Tx slots)	Back	0mm	Ant 0	DSI 4	661	1880	28.18	28.50	1.076			-0.14	1.540	1.658	—
	GSM1900	—	—	—	—	GPRS (2 Tx slots)	Bottom Side	0mm	Ant 0	DSI 4	661	1880	28.18	28.50	1.076			0.08	1.150	1.238	—
	WCDMA II	—	—	—	—	RMC 12.2Kbps	Front	0mm	Ant 0	DSI 6	9400	1880	22.56	23.00	1.107			0.09	2.120	2.346	—
	WCDMA II	—	—	—	—	RMC 12.2Kbps	Front	0mm	Ant 0	DSI 6	9262	1852.4	22.53	23.00	1.114			0.12	1.800	2.006	—
	WCDMA II	—	—	—	—	RMC 12.2Kbps	Front	0mm	Ant 0	DSI 6	9538	1907.6	22.43	23.00	1.140			0.12	1.850	2.109	—
	WCDMA II	—	—	—	—	RMC 12.2Kbps	Back	0mm	Ant 0	DSI 6	9400	1880	22.56	23.00	1.107			-0.19	2.920	3.231	—
	WCDMA II	—	—	—	—	RMC 12.2Kbps	Back	0mm	Ant 0	DSI 6	9262	1852.4	22.53	23.00	1.114			0.04	2.590	2.886	—
	WCDMA II	—	—	—	—	RMC 12.2Kbps	Back	0mm	Ant 0	DSI 6	9538	1907.6	22.43	23.00	1.140			0.06	2.520	2.873	—
	WCDMA II	—	—	—	—	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI 6	9400	1880	22.56	23.00	1.107			0.07	2.520	2.789	—
54	WCDMA II	—	—	—	—	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI 6	9262	1852.4	22.53	23.00	1.114			-0.07	2.930	3.265	1
Repeated	WCDMA II	—	—	—	—	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI 6	9262	1852.4	22.53	23.00	1.114			0.05	2.890	0.000	1.014
	WCDMA II	—	—	—	—	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI 6	9538	1907.6	22.43	23.00	1.140			-0.15	2.250	2.566	—
	WCDMA II	—	—	—	—	RMC 12.2Kbps	Front	10mm	Ant 0	DSI 4	9400	1880	23.51	24.00	1.119			0.07	0.584	0.654	—
	WCDMA II	—	—	—	—	RMC 12.2Kbps	Back	19mm	Ant 0	DSI 4	9400	1880	23.51	24.00	1.119			0.09	0.337	0.377	—
	WCDMA II	—	—	—	—	RMC 12.2Kbps	Bottom Side	18mm	Ant 0	DSI 4	9262	1852.4	23.50	24.00	1.122			0.02	0.430	0.482	—
	LTE Band 2	20M	QPSK	1	0	—	Front	0mm	Ant 0	DSI 6	18900	1880	21.32	22.50	1.312			0.18	1.550	2.034	—
	LTE Band 2	20M	QPSK	1	0	—	Front	0mm	Ant 0	DSI 6	18700	1860	21.18	22.50	1.355			0.17	1.580	2.141	—
	LTE Band 2	20M	QPSK	1	0	—	Front	0mm	Ant 0	DSI 6	19100	1900	21.27	22.50	1.327			-0.13	1.380	1.832	—
	LTE Band 2	20M	QPSK	50	0	—	Front	0mm	Ant 0	DSI 6	18900	1880	21.09	22.50	1.384			0.05	1.380	1.909	—
	LTE Band 2	20M	QPSK	100	0	—	Front	0mm	Ant 0	DSI 6	18900	1880	21.08	22.50	1.387			0.06	1.160	1.609	—
55	LTE Band 2	20M	QPSK	1	0	—	Back	0mm	Ant 0	DSI 6	18900	1880	21.32	22.50	1.312			-0.01	2.410	3.162	—
	LTE Band 2	20M	QPSK	1	0	—	Back	0mm	Ant 0	DSI 6	18700	1860	21.18	22.50	1.355			0.04	2.220	3.009	—
	LTE Band 2	20M	QPSK	1	0	—	Back	0mm	Ant 0	DSI 6	19100	1900	21.27	22.50	1.327			0.04	1.720	2.283	—
	LTE Band 2	20M	QPSK	50	0	—	Back	0mm	Ant 0	DSI 6	18900	1880	21.09	22.50	1.384			0.14	1.640	2.269	—
	LTE Band 2	20M	QPSK	50	0	—	Back	0mm	Ant 0	DSI 6	18700	1860	21.06	22.50	1.393			0.01	1.660	2.313	—
	LTE Band 2	20M	QPSK	50	0	—	Back	0mm	Ant 0	DSI 6	19100	1900	21.00	22.50	1.413			0.14	1.500	2.119	—
	LTE Band 2	20M	QPSK	100	0	—	Back	0mm	Ant 0	DSI 6	18900	1880	21.08	22.50	1.387			0.02	1.620	2.247	—
	LTE Band 2	20M	QPSK	1	0	—	Bottom Side	0mm	Ant 0	DSI 6	18900	1880	21.32	22.50	1.312			-0.08	1.910	2.506	—
	LTE Band 2	20M	QPSK	1	0	—	Bottom Side	0mm	Ant 0	DSI 6	18700	1860	21.18	22.50	1.355			</			



SAR Test Record

SPORTON LAB

Product Specific 10g SAR Test

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)	Ratio
2600MHz																					
	LTE Band 7	20M	QPSK	1	0	---	Front	0mm	Ant 5	DSI 6	21100	2535	22.36	23.50	1.300			0.03	2.050	2.665	---
	LTE Band 7	20M	QPSK	1	0	---	Front	0mm	Ant 5	DSI 6	20850	2510	22.19	23.50	1.352			0.06	2.010	2.718	---
	LTE Band 7	20M	QPSK	1	0	---	Front	0mm	Ant 5	DSI 6	21350	2560	22.23	23.50	1.340			0.01	1.980	2.653	---
	LTE Band 7	20M	QPSK	50	0	---	Front	0mm	Ant 5	DSI 6	21100	2535	21.84	23.00	1.306			0.07	1.980	2.586	---
	LTE Band 7	20M	QPSK	50	0	---	Front	0mm	Ant 5	DSI 6	20850	2510	21.69	23.00	1.352			0.03	1.950	2.637	---
	LTE Band 7	20M	QPSK	50	0	---	Front	0mm	Ant 5	DSI 6	21350	2560	21.67	23.00	1.358			0.04	1.890	2.567	---
	LTE Band 7	20M	QPSK	100	0	---	Front	0mm	Ant 5	DSI 6	21100	2535	21.81	23.00	1.315			-0.03	1.790	2.354	---
56	LTE Band 7	20M	QPSK	1	0	---	Back	0mm	Ant 5	DSI 6	21100	2535	22.36	23.50	1.300			-0.1	2.480	3.224	1
Repeated	LTE Band 7	20M	QPSK	1	0	---	Back	0mm	Ant 5	DSI 6	21100	2535	22.36	23.50	1.300			0.03	2.410	3.133	1.029
	LTE Band 7	20M	QPSK	1	0	---	Back	0mm	Ant 5	DSI 6	20850	2510	22.19	23.50	1.352			0.09	2.260	3.056	---
	LTE Band 7	20M	QPSK	1	0	---	Back	0mm	Ant 5	DSI 6	21350	2560	22.23	23.50	1.340			0.04	2.310	3.095	---
	LTE Band 7	20M	QPSK	50	0	---	Back	0mm	Ant 5	DSI 6	21100	2535	21.84	23.00	1.306			0.03	1.640	2.142	---
	LTE Band 7	20M	QPSK	50	0	---	Back	0mm	Ant 5	DSI 6	20850	2510	21.69	23.00	1.352			0.03	1.620	2.190	---
	LTE Band 7	20M	QPSK	50	0	---	Back	0mm	Ant 5	DSI 6	21350	2560	21.67	23.00	1.358			0.07	1.540	2.092	---
	LTE Band 7	20M	QPSK	100	0	---	Back	0mm	Ant 5	DSI 6	21100	2535	21.81	23.00	1.315			-0.15	1.600	2.104	---
	LTE Band 7	20M	QPSK	1	0	---	Bottom Side	0mm	Ant 5	DSI 6	21100	2535	22.36	23.50	1.300			-0.1	1.020	1.326	---
	LTE Band 7	20M	QPSK	50	0	---	Bottom Side	0mm	Ant 5	DSI 6	21100	2535	21.84	23.00	1.306			0.19	0.997	1.302	---
	LTE Band 7	20M	QPSK	1	0	---	Front	6mm	Ant 5	DSI 4	20850	2510	22.68	24.00	1.355			0.06	0.779	1.056	---
	LTE Band 7	20M	QPSK	1	0	---	Back	10mm	Ant 5	DSI 4	21350	2560	22.78	24.00	1.324			0.09	0.506	0.670	---
	LTE Band 7	20M	QPSK	1	0	---	Bottom Side	10mm	Ant 5	DSI 4	21100	2535	22.79	24.00	1.321			-0.01	0.332	0.439	---
WLAN/BT																					
58	WLAN2.4GHz	---	---	---	---	802.11b 1Mbps	Back	0mm	Ant 8	Full Power	11	2462	19.12	20.50	1.374	97.9	1.021	-0.17	0.885	1.242	---
59	WLAN5GHz	---	---	---	---	802.11a 6Mbps	Back	0mm	Ant 8	Full Power	36	5180	18.09	19.50	1.384	97.58	1.025	0.07	0.978	1.387	---
	WLAN5GHz	---	---	---	---	802.11a 6Mbps	Front	0mm	Ant 8	Full Power	52	5260	18.08	19.50	1.387	97.58	1.025	0.04	0.405	0.576	---
	WLAN5GHz	---	---	---	---	802.11a 6Mbps	Back	0mm	Ant 8	Full Power	52	5260	18.08	19.50	1.387	97.58	1.025	0.05	0.616	0.876	---
	WLAN5GHz	---	---	---	---	802.11a 6Mbps	Right Side	0mm	Ant 8	Full Power	52	5260	18.08	19.50	1.387	97.58	1.025	-0.1	0.148	0.210	---
60	WLAN5GHz	---	---	---	---	802.11a 6Mbps	Top Side	0mm	Ant 8	Full Power	52	5260	18.08	19.50	1.387	97.58	1.025	0.09	0.998	1.419	---
	WLAN5GHz	---	---	---	---	802.11a 6Mbps	Front	0mm	Ant 8	Full Power	100	5500	18.21	19.50	1.346	97.58	1.025	-0.17	0.476	0.657	---
	WLAN5GHz	---	---	---	---	802.11a 6Mbps	Back	0mm	Ant 8	Full Power	100	5500	18.21	19.50	1.346	97.58	1.025	-0.16	0.674	0.930	---
	WLAN5GHz	---	---	---	---	802.11a 6Mbps	Right Side	0mm	Ant 8	Full Power	100	5500	18.21	19.50	1.346	97.58	1.025	-0.07	0.176	0.243	---
61	WLAN5GHz	---	---	---	---	802.11a 6Mbps	Top Side	0mm	Ant 8	Full Power	100	5500	18.21	19.50	1.346	97.58	1.025	-0.03	1.230	1.697	---
	WLAN5GHz	---	---	---	---	802.11a 6Mbps	Back	0mm	Ant 8	Full Power	157	5785	18.17	19.50	1.359	97.58	1.025	0.08	1.560	2.174	---
	WLAN5GHz	---	---	---	---	802.11a 6Mbps	Back	0mm	Ant 8	Full Power	149	5745	17.90	19.50	1.447	97.58	1.025	0.04	1.170	1.735	---
62	WLAN5GHz	---	---	---	---	802.11a 6Mbps	Top Side	0mm	Ant 8	Full Power	157	5785	18.17	19.50	1.359	97.58	1.025	0.09	1.690	2.355	---
	WLAN5GHz	---	---	---	---	802.11a 6Mbps	Top Side	0mm	Ant 8	Full Power	149	5745	17.90	19.50	1.447	97.58	1.025	0.04	1.340	1.987	---