



SAR Test Record

Head SAR Test																					
System & Position								DUT & Accessory			Power							SAR			
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
835MHz																					
01	GSM850	—	—	—	—	GPRS (2 Tx slots)	Right Cheek	0mm	Ant 0	DSI 2	189	836.4	30.07	31.50	1.390			-0.04	0.200	0.278	—
	GSM850	—	—	—	—	GPRS (2 Tx slots)	Right Tilted	0mm	Ant 0	DSI 2	189	836.4	30.07	31.50	1.390			0.02	0.130	0.181	—
	GSM850	—	—	—	—	GPRS (2 Tx slots)	Left Cheek	0mm	Ant 0	DSI 2	189	836.4	30.07	31.50	1.390			-0.1	0.231	0.321	—
	GSM850	—	—	—	—	GPRS (2 Tx slots)	Left Tilted	0mm	Ant 0	DSI 2	189	836.4	30.07	31.50	1.390			-0.1	0.130	0.181	—
02	WCDMA V	—	—	—	—	RMC 12.2Kbps	Right Cheek	0mm	Ant 0	DSI 2	4182	836.4	22.78	24.00	1.324			-0.08	0.268	0.355	—
	WCDMA V	—	—	—	—	RMC 12.2Kbps	Right Tilted	0mm	Ant 0	DSI 2	4182	836.4	22.78	24.00	1.324			0.17	0.177	0.234	—
	WCDMA V	—	—	—	—	RMC 12.2Kbps	Left Cheek	0mm	Ant 0	DSI 2	4182	836.4	22.78	24.00	1.324			0.01	0.302	0.400	—
	WCDMA V	—	—	—	—	RMC 12.2Kbps	Left Tilted	0mm	Ant 0	DSI 2	4182	836.4	22.78	24.00	1.324			0.13	0.165	0.219	—
03	LTE Band 26	15M	QPSK	1	0	—	Right Cheek	0mm	Ant 0	DSI 2	26865	831.5	22.70	24.00	1.349			0.13	0.253	0.341	—
	LTE Band 26	15M	QPSK	36	0	—	Right Cheek	0mm	Ant 0	DSI 2	26865	831.5	21.46	23.00	1.426			-0.19	0.154	0.220	—
	LTE Band 26	15M	QPSK	1	0	—	Right Tilted	0mm	Ant 0	DSI 2	26865	831.5	22.70	24.00	1.349			-0.02	0.146	0.197	—
	LTE Band 26	15M	QPSK	36	0	—	Right Tilted	0mm	Ant 0	DSI 2	26865	831.5	21.46	23.00	1.426			0.07	0.092	0.131	—
	LTE Band 26	15M	QPSK	1	0	—	Left Cheek	0mm	Ant 0	DSI 2	26865	831.5	22.70	24.00	1.349			-0.05	0.278	0.375	—
	LTE Band 26	15M	QPSK	36	0	—	Left Cheek	0mm	Ant 0	DSI 2	26865	831.5	21.46	23.00	1.426			-0.18	0.158	0.225	—
	LTE Band 26	15M	QPSK	1	0	—	Left Tilted	0mm	Ant 0	DSI 2	26865	831.5	22.70	24.00	1.349			-0.16	0.145	0.196	—
	LTE Band 26	15M	QPSK	36	0	—	Left Tilted	0mm	Ant 0	DSI 2	26865	831.5	21.46	23.00	1.426			0.09	0.083	0.118	—
1900MHz																					
04	GSM1900	—	—	—	—	GPRS (2 Tx slots)	Right Cheek	0mm	Ant 0	DSI 2	661	1880	28.35	28.50	1.035			0.08	0.094	0.097	—
	GSM1900	—	—	—	—	GPRS (2 Tx slots)	Right Tilted	0mm	Ant 0	DSI 2	661	1880	28.35	28.50	1.035			0.09	0.053	0.055	—
	GSM1900	—	—	—	—	GPRS (2 Tx slots)	Left Cheek	0mm	Ant 0	DSI 2	661	1880	28.35	28.50	1.035			0.17	0.075	0.078	—
	GSM1900	—	—	—	—	GPRS (2 Tx slots)	Left Tilted	0mm	Ant 0	DSI 2	661	1880	28.35	28.50	1.035			0.17	0.069	0.071	—
05	WCDMA II	—	—	—	—	RMC 12.2Kbps	Right Cheek	0mm	Ant 0	DSI 2	9400	1880	23.19	24.00	1.205			-0.02	0.310	0.374	—
	WCDMA II	—	—	—	—	RMC 12.2Kbps	Right Tilted	0mm	Ant 0	DSI 2	9400	1880	23.19	24.00	1.205			0.12	0.198	0.239	—
	WCDMA II	—	—	—	—	RMC 12.2Kbps	Left Cheek	0mm	Ant 0	DSI 2	9400	1880	23.19	24.00	1.205			-0.16	0.264	0.318	—
	WCDMA II	—	—	—	—	RMC 12.2Kbps	Left Tilted	0mm	Ant 0	DSI 2	9400	1880	23.19	24.00	1.205			-0.08	0.226	0.272	—
06	LTE Band 2	20M	QPSK	1	0	—	Right Cheek	0mm	Ant 0	DSI 2	18900	1880	23.10	24.00	1.230			0.02	0.262	0.322	—
	LTE Band 2	20M	QPSK	50	0	—	Right Cheek	0mm	Ant 0	DSI 2	18900	1880	22.04	23.00	1.247			-0.1	0.162	0.202	—
	LTE Band 2	20M	QPSK	1	0	—	Right Tilted	0mm	Ant 0	DSI 2	18900	1880	23.10	24.00	1.230			-0.02	0.155	0.191	—
	LTE Band 2	20M	QPSK	50	0	—	Right Tilted	0mm	Ant 0	DSI 2	18900	1880	22.04	23.00	1.247			-0.04	0.107	0.133	—
	LTE Band 2	20M	QPSK	1	0	—	Left Cheek	0mm	Ant 0	DSI 2	18900	1880	23.10	24.00	1.230			-0.05	0.197	0.242	—
	LTE Band 2	20M	QPSK	50	0	—	Left Cheek	0mm	Ant 0	DSI 2	18900	1880	22.04	23.00	1.247			-0.06	0.128	0.160	—
	LTE Band 2	20M	QPSK	1	0	—	Left Tilted	0mm	Ant 0	DSI 2	18900	1880	23.10	24.00	1.230			0.13	0.182	0.224	—
	LTE Band 2	20M	QPSK	50	0	—	Left Tilted	0mm	Ant 0	DSI 2	18900	1880	22.04	23.00	1.247			-0.04	0.120	0.150	—
2600MHz																					
07	LTE Band 7	20M	QPSK	1	0	—	Right Cheek	0mm	Ant 5	DSI 2	21100	2535	22.76	24.00	1.330			-0.04	0.347	0.462	—
	LTE Band 7	20M	QPSK	50	0	—	Right Cheek	0mm	Ant 5	DSI 2	21100	2535	21.87	23.00	1.297			-0.18	0.208	0.270	—
	LTE Band 7	20M	QPSK	1	0	—	Right Tilted	0mm	Ant 5	DSI 2	21100	2535	22.76	24.00	1.330			-0.11	0.239	0.318	—
	LTE Band 7	20M	QPSK	50	0	—	Right Tilted	0mm	Ant 5	DSI 2	21100	2535	21.87	23.00	1.297			0.14	0.151	0.196	—
	LTE Band 7	20M	QPSK	1	0	—	Left Cheek	0mm	Ant 5	DSI 2	21100	2535	22.76	24.00	1.330			0.1	0.434	0.577	—
	LTE Band 7	20M	QPSK	50	0	—	Left Cheek	0mm	Ant 5	DSI 2	21100	2535	21.87	23.00	1.297			0.03	0.274	0.355	—
	LTE Band 7	20M	QPSK	1	0	—	Left Tilted	0mm	Ant 5	DSI 2	21100	2535	22.76	24.00	1.330			0.04	0.142	0.189	—
	LTE Band 7	20M	QPSK	50	0	—	Left Tilted	0mm	Ant 5	DSI 2	21100	2535	21.87	23.00	1.297			0.02	0.090	0.117	—
08	LTE Band 41	20M	QPSK	1	0	—	Right Cheek	0mm	Ant 5	DSI 2	40620	2593	22.89	24.00	1.291	62.9	1.006	-0.04	0.142	0.184	—
	LTE Band 41	20M	QPSK	50	0	—	Right Cheek	0mm	Ant 5	DSI 2	40620	2593	22.10	23.00	1.230	62.9	1.006	-0.02	0.089	0.110	—
	LTE Band 41	20M	QPSK	1	0	—	Right Tilted	0mm	Ant 5	DSI 2	40620	2593	22.89	24.00	1.291	62.9	1.006	0.01	0.123	0.160	—
	LTE Band 41	20M	QPSK	50	0	—	Right Tilted	0mm	Ant 5	DSI 2	40620	2593	22.10	23.00	1.230	62.9	1.006	-0.04	0.079	0.098	—
	LTE Band 41	20M	QPSK	1	0	—	Left Cheek	0mm	Ant 5	DSI 2	40620	2593	22.89	24.00	1.291	62.9	1.006	-0.01	0.208	0.270	—
	LTE Band 41	20M	QPSK	50	0	—	Left Cheek	0mm	Ant 5	DSI 2	40620	2593	22.10	23.00	1.230	62.9	1.006	-0.16	0.133	0.165	—
	LTE Band 41	20M	QPSK	1	0	—	Left Tilted	0mm	Ant 5	DSI 2	40620	2593	22.89	24.00	1.291	62.9	1.006	0.15	0.067	0.087	—
	LTE Band 41	20M	QPSK	50	0	—	Left Tilted	0mm	Ant 5	DSI 2	40620	2593	22.10	23.00	1.230	62.9	1.006	0.03	0.044	0.054	—
WLAN&BT																					
09	WLAN2.4GHz	—	—	—	—	802.11b 1Mbps	Right Cheek	0mm	Ant 8	Receiver on	11	2462	17.22	18.50	1.343	97.90	1.021	0.12	0.327	0.448	—
	WLAN2.4GHz	—	—	—	—	802.11b 1Mbps	Right Tilted	0mm	Ant 8	Receiver on	11	2462	17.22	18.50	1.343	97.90	1.021	0.15	0.295	0.404	—
	WLAN2.4GHz	—	—	—	—	802.11b 1Mbps	Left Cheek	0mm	Ant 8	Receiver on	11	2462	17.22	18.50	1.343	97.90	1.021	0.13	0.806	1.105	—
	WLAN2.4GHz	—	—	—	—	802.11b 1Mbps	Left Cheek	0mm	Ant 8	Receiver on	1	2412	17.19	18.50	1.352	97.90	1.021	0.13	1.020	1.408	1
	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	1.010	1.394	1.010
	WLAN2.4GHz	—	—	—	—	802.11b 1Mbps	Left Cheek	0mm	Ant 8	Receiver on	6	2437	16.98	18.50	1.419	97.90	1.021	-0.01	0.815	1.181	—
	WLAN2.4GHz	—	—	—	—	802.11g 6Mbps	Left Cheek	0mm	Ant 8	Receiver on	1	2412	17.05	18.50	1.396	97.49	1.026	0.13	0.889	1.274	—
	WLAN2.4GHz	—	—	—	—	802.11n-HT20 MCS0	Left Cheek	0mm	Ant 8	Full Power	1	2412	17.90	19.50	1.446	97.49	1.026	0.13	0.805	1.194	—
10	WLAN2.4GHz	—	—	—	—	802.11b 1Mbps	Left Tilted	0mm	Ant 8	Receiver on	11	2462	17.22	18.50	1.343	97.90	1.021	0.06	0.634	0.869	—
	WLAN2.4GHz	—	—	—	—	802.11b 1Mbps	Left Tilted	0mm	Ant 8	Receiver on	1	2412	17.19	18.50	1.352	97.90	1.021	0.13	0.611	0.843	—
	Bluetooth	—	—	—	—	1Mbps	Right Cheek	0mm	Ant 8	Full Power	39	2441	12.96	14.00	1.271	77.34	1.293	-0.08	0.101	0.166	—
	Bluetooth	—	—	—	—	1Mbps	Right Tilted	0mm	Ant 8												



SAR Test Record

Body-worn SAR Test																						
System & Position								DUT & Accessory				Power							SAR			
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
835MHz																						
	GSM850	—	—	—	—	GPRS (2 Tx slots)	Front	5mm	Ant 0		DSI 4	189	836.4	30.07	31.50	1.390			0.17	0.431	0.599	—
	GSM850	—	—	—	—	GPRS (2 Tx slots)	Back	5mm	Ant 0		DSI 4	189	836.4	30.07	31.50	1.390			-0.05	0.785	1.091	—
14	GSM850	—	—	—	—	GPRS (2 Tx slots)	Back	5mm	Ant 0		DSI 4	128	824.2	30.01	31.50	1.409			-0.01	0.788	1.111	—
	GSM850	—	—	—	—	GPRS (2 Tx slots)	Back	5mm	Ant 0		DSI 4	251	848.8	29.89	31.50	1.449			0.04	0.635	0.920	—
	WCDMA V	—	—	—	—	RMC 12.2Kbps	Front	5mm	Ant 0		DSI 4	4182	836.4	22.78	24.00	1.324			0.03	0.593	0.785	—
	WCDMA V	—	—	—	—	RMC 12.2Kbps	Back	5mm	Ant 0		DSI 4	4182	836.4	22.78	24.00	1.324			-0.12	1.080	1.430	1
Repeated	WCDMA V	—	—	—	—	RMC 12.2Kbps	Back	5mm	Ant 0		DSI 4	4182	836.4	22.78	24.00	1.324			-0.02	1.040	1.377	1.038
	WCDMA V	—	—	—	—	RMC 12.2Kbps	Back	5mm	Ant 0		DSI 4	4132	826.4	22.73	24.00	1.340			0.03	0.980	1.313	—
	WCDMA V	—	—	—	—	RMC 12.2Kbps	Back	5mm	Ant 0		DSI 4	4233	846.6	22.64	24.00	1.368			-0.14	0.970	1.327	—
	WCDMA V	—	—	—	—	RMC 12.2Kbps	Back	5mm	Ant 0	Headset	DSI 4	4182	836.4	22.78	24.00	1.324			0.09	0.896	1.187	—
	LTE Band 26	15M	QPSK	1	0	—	Front	5mm	Ant 0		DSI 4	26865	831.5	22.70	24.00	1.349			0.12	0.526	0.710	—
	LTE Band 26	15M	QPSK	36	0	—	Front	5mm	Ant 0		DSI 4	26865	831.5	21.46	23.00	1.426			0.01	0.297	0.423	—
16	LTE Band 26	15M	QPSK	1	0	—	Back	5mm	Ant 0		DSI 4	26865	831.5	22.70	24.00	1.349			-0.03	1.070	1.443	—
	LTE Band 26	15M	QPSK	36	0	—	Back	5mm	Ant 0		DSI 4	26865	831.5	21.46	23.00	1.426			-0.08	0.615	0.877	—
	LTE Band 26	15M	QPSK	75	0	—	Back	5mm	Ant 0		DSI 4	26865	831.5	21.58	23.00	1.387			0.03	0.605	0.839	—
	LTE Band 26	15M	QPSK	1	0	—	Back	5mm	Ant 0	Headset	DSI 4	26865	831.5	22.70	24.00	1.349			-0.07	0.938	1.265	—
1900MHz																						
	GSM1900	—	—	—	—	GPRS (2 Tx slots)	Front	5mm	Ant 0		DSI 3	661	1880	27.40	27.50	1.023			0.05	0.733	0.750	—
17	GSM1900	—	—	—	—	GPRS (2 Tx slots)	Back	5mm	Ant 0		DSI 3	661	1880	27.40	27.50	1.023			0.07	1.230	1.259	—
	GSM1900	—	—	—	—	GPRS (2 Tx slots)	Back	5mm	Ant 0		DSI 3	512	1850.2	27.27	27.50	1.054			0.01	1.170	1.234	—
	GSM1900	—	—	—	—	GPRS (2 Tx slots)	Back	5mm	Ant 0		DSI 3	810	1909.8	27.18	27.50	1.076			-0.1	0.938	1.010	—
	GSM1900	—	—	—	—	GPRS (2 Tx slots)	Back	5mm	Ant 0	Headset	DSI 3	661	1880	27.40	27.50	1.023			0.09	1.080	1.105	—
	GSM1900	—	—	—	—	GPRS (2 Tx slots)	Front	15mm	Ant 0		DSI 4	661	1880	28.35	28.50	1.035			0.1	0.388	0.402	—
	GSM1900	—	—	—	—	GPRS (2 Tx slots)	Back	19mm	Ant 0		DSI 4	661	1880	28.35	28.50	1.035			-0.11	0.354	0.366	—
	WCDMA II	—	—	—	—	RMC 12.2Kbps	Front	5mm	Ant 0		DSI 3	9400	1880	17.28	18.00	1.180			-0.17	0.650	0.767	—
	WCDMA II	—	—	—	—	RMC 12.2Kbps	Back	5mm	Ant 0		DSI 3	9400	1880	17.28	18.00	1.180			-0.1	0.973	1.148	—
18	WCDMA II	—	—	—	—	RMC 12.2Kbps	Back	5mm	Ant 0		DSI 3	9262	1852.4	16.94	18.00	1.276			0.11	1.040	1.327	—
	WCDMA II	—	—	—	—	RMC 12.2Kbps	Back	5mm	Ant 0		DSI 3	9538	1907.6	16.95	18.00	1.274			0.08	0.845	1.076	—
	WCDMA II	—	—	—	—	RMC 12.2Kbps	Back	5mm	Ant 0	Headset	DSI 3	9262	1852.4	16.94	18.00	1.276			0.07	0.994	1.269	—
	WCDMA II	—	—	—	—	RMC 12.2Kbps	Front	15mm	Ant 0		DSI 4	9400	1880	23.19	24.00	1.205			0.04	0.567	0.683	—
	WCDMA II	—	—	—	—	RMC 12.2Kbps	Back	19mm	Ant 0		DSI 4	9400	1880	23.19	24.00	1.205			-0.12	0.540	0.651	—
	LTE Band 2	20M	QPSK	1	0	—	Front	5mm	Ant 0		DSI 3	18900	1880	17.69	18.50	1.205			0.12	0.679	0.818	—
	LTE Band 2	20M	QPSK	1	0	—	Front	5mm	Ant 0		DSI 3	18700	1860	17.42	18.50	1.282			-0.06	0.669	0.858	—
	LTE Band 2	20M	QPSK	1	0	—	Front	5mm	Ant 0		DSI 3	19100	1900	17.33	18.50	1.309			-0.08	0.581	0.761	—
	LTE Band 2	20M	QPSK	50	0	—	Front	5mm	Ant 0		DSI 3	18900	1880	17.48	18.50	1.265			0.16	0.675	0.854	—
	LTE Band 2	20M	QPSK	50	0	—	Front	5mm	Ant 0		DSI 3	18700	1860	17.22	18.50	1.343			-0.15	0.646	0.867	—
	LTE Band 2	20M	QPSK	50	0	—	Front	5mm	Ant 0		DSI 3	19100	1900	17.13	18.50	1.371			-0.1	0.625	0.857	—
	LTE Band 2	20M	QPSK	100	0	—	Front	5mm	Ant 0		DSI 3	18900	1880	17.59	18.50	1.233			0.08	0.652	0.804	—
	LTE Band 2	20M	QPSK	1	0	—	Back	5mm	Ant 0		DSI 3	18900	1880	17.69	18.50	1.205			0.1	1.000	1.205	—
19	LTE Band 2	20M	QPSK	1	0	—	Back	5mm	Ant 0		DSI 3	18700	1860	17.42	18.50	1.282			0.01	1.040	1.334	—
	LTE Band 2	20M	QPSK	1	0	—	Back	5mm	Ant 0		DSI 3	19100	1900	17.33	18.50	1.309			-0.05	0.887	1.161	—
	LTE Band 2	20M	QPSK	50	0	—	Back	5mm	Ant 0		DSI 3	18900	1880	17.48	18.50	1.265			0.08	0.999	1.263	—
	LTE Band 2	20M	QPSK	50	0	—	Back	5mm	Ant 0		DSI 3	18700	1860	17.22	18.50	1.343			-0.17	0.982	1.319	—
	LTE Band 2	20M	QPSK	50	0	—	Back	5mm	Ant 0		DSI 3	19100	1900	17.13	18.50	1.371			-0.17	0.924	1.267	—
	LTE Band 2	20M	QPSK	100	0	—	Back	5mm	Ant 0		DSI 3	18900	1880	17.59	18.50	1.233			0.08	0.998	1.231	—
	LTE Band 2	20M	QPSK	1	0	—	Back	5mm	Ant 0	Headset	DSI 3	18700	1860	17.42	18.50	1.282			-0.11	0.831	1.066	—
	LTE Band 2	20M	QPSK	1	0	—	Front	15mm	Ant 0		DSI 4	18900	1880	23.10	24.00	1.230			-0.1	0.536	0.659	—
	LTE Band 2	20M	QPSK	1	0	—	Back	19mm	Ant 0		DSI 4	18900	1880	23.10	24.00	1.230			0.08	0.531	0.653	—



SAR Test Record

Body-worn SAR Test																						
System & Position							DUT & Accessory				Power							SAR				
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	18.35	19.50	1.303			0.13	0.853	1.112	—
	LTE Band 7	20M	QPSK	1	0	—	Front	5mm	Ant 5		DSI 3	20850	2510	18.02	19.50	1.406			0.14	0.894	1.257	—
	LTE Band 7	20M	QPSK	1	0	—	Front	5mm	Ant 5	Headset	DSI 3	20850	2510	18.02	19.50	1.406			0.11	0.701	0.986	—
	LTE Band 7	20M	QPSK	1	0	—	Front	5mm	Ant 5		DSI 3	21350	2560	18.22	19.50	1.343			-0.14	0.742	0.996	—
	LTE Band 7	20M	QPSK	50	0	—	Front	5mm	Ant 5		DSI 3	21100	2535	18.26	19.50	1.330			-0.02	0.783	1.042	—
	LTE Band 7	20M	QPSK	50	0	—	Front	5mm	Ant 5		DSI 3	20850	2510	17.98	19.50	1.419			0.08	0.803	1.140	—
	LTE Band 7	20M	QPSK	50	0	—	Front	5mm	Ant 5		DSI 3	21350	2560	18.09	19.50	1.384			0.12	0.714	0.988	—
	LTE Band 7	20M	QPSK	100	0	—	Front	5mm	Ant 5		DSI 3	21100	2535	18.28	19.50	1.324			0.16	0.775	1.026	—
	LTE Band 7	20M	QPSK	1	0	—	Back	5mm	Ant 5		DSI 3	21100	2535	18.35	19.50	1.303			-0.14	0.979	1.276	—
20	LTE Band 7	20M	QPSK	1	0	—	Back	5mm	Ant 5		DSI 3	20850	2510	18.02	19.50	1.406			-0.05	1.020	1.434	—
	LTE Band 7	20M	QPSK	1	0	—	Back	5mm	Ant 5		DSI 3	21350	2560	18.22	19.50	1.343			0.02	0.838	1.125	—
	LTE Band 7	20M	QPSK	50	0	—	Back	5mm	Ant 5		DSI 3	21100	2535	18.26	19.50	1.330			0.16	0.895	1.191	—
	LTE Band 7	20M	QPSK	50	0	—	Back	5mm	Ant 5		DSI 3	20850	2510	17.98	19.50	1.419			0.02	0.920	1.306	—
	LTE Band 7	20M	QPSK	50	0	—	Back	5mm	Ant 5		DSI 3	21350	2560	18.09	19.50	1.384			0.01	0.884	1.223	—
	LTE Band 7	20M	QPSK	100	0	—	Back	5mm	Ant 5		DSI 3	21100	2535	18.28	19.50	1.324			0.09	0.886	1.173	—
	LTE Band 7	20M	QPSK	1	0	—	Back	5mm	Ant 5	Headset	DSI 3	20850	2510	18.02	19.50	1.406			-0.05	0.786	1.105	—
	LTE Band 7	20M	QPSK	1	0	—	Front	15mm	Ant 5		DSI 4	21100	2535	22.76	24.00	1.330			0.09	0.694	0.923	—
	LTE Band 7	20M	QPSK	1	0	—	Front	15mm	Ant 5		DSI 4	20850	2510	22.50	24.00	1.413			-0.05	0.631	0.891	—
	LTE Band 7	20M	QPSK	1	0	—	Front	15mm	Ant 5		DSI 4	21350	2560	22.65	24.00	1.365			0.03	0.652	0.890	—
	LTE Band 7	20M	QPSK	100	0	—	Front	15mm	Ant 5		DSI 4	21100	2535	21.85	23.00	1.303			0.06	0.528	0.688	—
	LTE Band 7	20M	QPSK	1	0	—	Back	19mm	Ant 5		DSI 4	21100	2535	22.76	24.00	1.330			0.02	0.335	0.446	—
LTE Band 41																						
	LTE Band 41	20M	QPSK	1	0	—	Front	5mm	Ant 5		DSI 3	40620	2593	21.87	23.00	1.297	62.9	1.006	0.11	0.855	1.116	—
	LTE Band 41	20M	QPSK	1	0	—	Front	5mm	Ant 5		DSI 3	39750	2506	21.80	23.00	1.318	62.9	1.006	0.08	0.903	1.198	—
	LTE Band 41	20M	QPSK	1	0	—	Front	5mm	Ant 5		DSI 3	40185	2549.5	21.83	23.00	1.309	62.9	1.006	0.03	0.848	1.117	—
	LTE Band 41	20M	QPSK	1	0	—	Front	5mm	Ant 5		DSI 3	41055	2636.5	21.73	23.00	1.340	62.9	1.006	-0.01	0.833	1.123	—
	LTE Band 41	20M	QPSK	1	0	—	Front	5mm	Ant 5		DSI 3	41490	2680	21.67	23.00	1.358	62.9	1.006	-0.01	0.773	1.056	—
	LTE Band 41	20M	QPSK	50	0	—	Front	5mm	Ant 5		DSI 3	40620	2593	21.74	23.00	1.337	62.9	1.006	-0.02	0.903	1.214	—
	LTE Band 41	20M	QPSK	50	0	—	Front	5mm	Ant 5		DSI 3	39750	2506	21.54	23.00	1.400	62.9	1.006	0.07	0.859	1.209	—
	LTE Band 41	20M	QPSK	50	0	—	Front	5mm	Ant 5		DSI 3	40185	2549.5	21.63	23.00	1.371	62.9	1.006	0.11	0.899	1.240	—
	LTE Band 41	20M	QPSK	50	0	—	Front	5mm	Ant 5		DSI 3	41055	2636.5	21.68	23.00	1.355	62.9	1.006	0.1	0.801	1.092	—
	LTE Band 41	20M	QPSK	50	0	—	Front	5mm	Ant 5		DSI 3	41490	2680	21.51	23.00	1.409	62.9	1.006	-0.12	0.799	1.133	—
	LTE Band 41	20M	QPSK	100	0	—	Front	5mm	Ant 5		DSI 3	40620	2593	21.77	23.00	1.327	62.9	1.006	0.13	0.759	1.014	—
21	LTE Band 41	20M	QPSK	1	0	—	Back	5mm	Ant 5		DSI 3	40620	2593	21.87	23.00	1.297	62.9	1.006	-0.13	1.060	1.383	1
Repeated	LTE Band 41	20M	QPSK	1	0	—	Back	5mm	Ant 5		DSI 3	40620	2593	21.87	23.00	1.297	62.9	1.006	0.09	0.987	1.288	1.074
	LTE Band 41	20M	QPSK	1	0	—	Back	5mm	Ant 5		DSI 3	39750	2506	21.80	23.00	1.318	62.9	1.006	0.04	1.010	1.339	—
	LTE Band 41	20M	QPSK	1	0	—	Back	5mm	Ant 5		DSI 3	40185	2549.5	21.83	23.00	1.309	62.9	1.006	-0.05	0.998	1.314	—
	LTE Band 41	20M	QPSK	1	0	—	Back	5mm	Ant 5		DSI 3	41055	2636.5	21.73	23.00	1.340	62.9	1.006	0.17	0.945	1.274	—
	LTE Band 41	20M	QPSK	1	0	—	Back	5mm	Ant 5		DSI 3	41490	2680	21.67	23.00	1.358	62.9	1.006	0.16	0.900	1.230	—
	LTE Band 41	20M	QPSK	50	0	—	Back	5mm	Ant 5		DSI 3	40620	2593	21.74	23.00	1.337	62.9	1.006	0.01	1.000	1.345	—
	LTE Band 41	20M	QPSK	50	0	—	Back	5mm	Ant 5		DSI 3	39750	2506	21.54	23.00	1.400	62.9	1.006	-0.15	0.903	1.271	—
	LTE Band 41	20M	QPSK	50	0	—	Back	5mm	Ant 5		DSI 3	40185	2549.5	21.63	23.00	1.371	62.9	1.006	-0.18	0.884	1.219	—
	LTE Band 41	20M	QPSK	50	0	—	Back	5mm	Ant 5		DSI 3	41055	2636.5	21.68	23.00	1.355	62.9	1.006	-0.15	0.921	1.256	—
	LTE Band 41	20M	QPSK	50	0	—	Back	5mm	Ant 5		DSI 3	41490	2680	21.51	23.00	1.409	62.9	1.006	-0.15	0.875	1.241	—
	LTE Band 41	20M	QPSK	100	0	—	Back	5mm	Ant 5		DSI 3	40620	2593	21.77	23.00	1.327	62.9	1.006	-0.04	0.964	1.287	—
	LTE Band 41	20M	QPSK	1	0	—	Back	5mm	Ant 5	Headset	DSI 3	40620	2593	21.87	23.00	1.297	62.9	1.006	0.11	0.835	1.090	—
	LTE Band 41	20M	QPSK	1	0	—	Front	15mm	Ant 5		DSI 4	40620	2593	22.89	24.00	1.291	62.9	1.006	-0.11	0.360	0.468	—
	LTE Band 41	20M	QPSK	1	0	—	Back	19mm	Ant 5		DSI 4	40620	2593	22.89	24.00	1.291	62.9	1.006	0.07	0.156	0.203	—
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	-0.03	0.617	0.870	—
	WLAN2.4GHz	—	—	—	—	802.11b 1Mbps	Front	5mm	Ant 8		Sensor on	1	2412	18.55	20.00	1.396	97.9	1.021	0.08	0.581	0.828	—
	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	0.906	1.277	—
22	WLAN2.4GHz	—	—	—	—	802.11b 1Mbps	Back	5mm	Ant 8		Sensor on	1	2412	18.55	20.00	1.396	97.9	1.021	-0.03	0.956	1.363	—
	WLAN2.4GHz	—	—	—	—	802.11b 1Mbps	Back	5mm	Ant 8	Headset	Sensor on	1	2412	18.55	20.00	1.396	97.9	1.021	0.01	0.915	1.305	—
	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	0.673	1.023	—
	WLAN2.4GHz	—	—	—	—	802.11g 6Mbps	Back	5mm	Ant 8		Sensor on	1	2412	18.66	20.00	1.361	97.49	1.026	-0.03	0.933	1.303	—
	WLAN2.4GHz	—	—	—	—	802.11n-HT20 MCS0	Back	5mm	Ant 8		Full Power	1	2412	17.90	19.50	1.446	97.49	1.026	-0.03	0.790	1.172	—
	WLAN2.4GHz	—	—	—	—	802.11b 1Mbps	Front															



SAR Test Record

Hotspot SAR Test																						
System & Position									DUT & Accessory		Power							SAR				
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	
835MHz																						
27	GSM850	—	—	—	—	GPRS (2 Tx slots)	Front	5mm	Ant 0	DSI 4	189	836.4	30.07	31.50	1.390			0.17	0.431	0.599	—	
	GSM850	—	—	—	—	GPRS (2 Tx slots)	Back	5mm	Ant 0	DSI 4	189	836.4	30.07	31.50	1.390			-0.05	0.785	1.091	—	
	GSM850	—	—	—	—	GPRS (2 Tx slots)	Back	5mm	Ant 0	DSI 4	128	824.2	30.01	31.50	1.409			-0.01	0.788	1.111	—	
	GSM850	—	—	—	—	GPRS (2 Tx slots)	Back	5mm	Ant 0	DSI 4	251	848.8	29.89	31.50	1.449			0.04	0.635	0.920	—	
	GSM850	—	—	—	—	GPRS (2 Tx slots)	Left Side	5mm	Ant 0	DSI 4	189	836.4	30.07	31.50	1.390			-0.01	0.265	0.368	—	
	GSM850	—	—	—	—	GPRS (2 Tx slots)	Right Side	5mm	Ant 0	DSI 4	189	836.4	30.07	31.50	1.390			-0.01	0.394	0.548	—	
	GSM850	—	—	—	—	GPRS (2 Tx slots)	Bottom Side	5mm	Ant 0	DSI 4	189	836.4	30.07	31.50	1.390			-0.14	0.277	0.385	—	
	28	WCDMA V	—	—	—	—	RMC 12.2Kbps	Front	5mm	Ant 0	DSI 4	4182	836.4	22.78	24.00	1.324			0.03	0.593	0.785	—
		WCDMA V	—	—	—	—	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 4	4182	836.4	22.78	24.00	1.324			-0.12	1.080	1.430	—
		WCDMA V	—	—	—	—	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 4	4132	826.4	22.73	24.00	1.340			0.03	0.980	1.313	—
		WCDMA V	—	—	—	—	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 4	4233	846.6	22.64	24.00	1.368			-0.14	0.970	1.327	—
		WCDMA V	—	—	—	—	RMC 12.2Kbps	Left Side	5mm	Ant 0	DSI 4	4182	836.4	22.78	24.00	1.324			0.08	0.353	0.467	—
WCDMA V		—	—	—	—	RMC 12.2Kbps	Right Side	5mm	Ant 0	DSI 4	4182	836.4	22.78	24.00	1.324			0.17	0.469	0.621	—	
	WCDMA V	—	—	—	—	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI 4	4182	836.4	22.78	24.00	1.324			0.08	0.484	0.641	—	
	29	LTE Band 26	15M	QPSK	1	0	—	Front	5mm	Ant 0	DSI 4	26865	831.5	22.70	24.00	1.349			0.12	0.526	0.710	—
		LTE Band 26	15M	QPSK	36	0	—	Front	5mm	Ant 0	DSI 4	26865	831.5	21.46	23.00	1.426			0.01	0.297	0.423	—
		LTE Band 26	15M	QPSK	1	0	—	Back	5mm	Ant 0	DSI 4	26865	831.5	22.70	24.00	1.349			-0.03	1.070	1.443	—
		LTE Band 26	15M	QPSK	36	0	—	Back	5mm	Ant 0	DSI 4	26865	831.5	21.46	23.00	1.426			-0.08	0.615	0.877	—
		LTE Band 26	15M	QPSK	75	0	—	Back	5mm	Ant 0	DSI 4	26865	831.5	21.58	23.00	1.387			0.03	0.605	0.839	—
LTE Band 26		15M	QPSK	1	0	—	Left Side	5mm	Ant 0	DSI 4	26865	831.5	22.70	24.00	1.349			0.08	0.304	0.410	—	
	LTE Band 26	15M	QPSK	36	0	—	Left Side	5mm	Ant 0	DSI 4	26865	831.5	21.46	23.00	1.426			-0.16	0.180	0.257	—	
	LTE Band 26	15M	QPSK	1	0	—	Right Side	5mm	Ant 0	DSI 4	26865	831.5	22.70	24.00	1.349			-0.12	0.399	0.538	—	
	LTE Band 26	15M	QPSK	36	0	—	Right Side	5mm	Ant 0	DSI 4	26865	831.5	21.46	23.00	1.426			0.17	0.230	0.328	—	
	LTE Band 26	15M	QPSK	1	0	—	Bottom Side	5mm	Ant 0	DSI 4	26865	831.5	22.70	24.00	1.349			-0.04	0.407	0.549	—	
	LTE Band 26	15M	QPSK	36	0	—	Bottom Side	5mm	Ant 0	DSI 4	26865	831.5	21.46	23.00	1.426			0.03	0.242	0.345	—	
	1900MHz																					
	GSM1900	—	—	—	—	GPRS (2 Tx slots)	Front	5mm	Ant 0	DSI 3	661	1880	27.40	27.50	1.023			0.05	0.733	0.750	—	
	GSM1900	—	—	—	—	GPRS (2 Tx slots)	Back	5mm	Ant 0	DSI 3	661	1880	27.40	27.50	1.023			0.07	1.230	1.259	—	
	GSM1900	—	—	—	—	GPRS (2 Tx slots)	Back	5mm	Ant 0	DSI 3	512	1850.2	27.27	27.50	1.054			0.01	1.170	1.234	—	
	GSM1900	—	—	—	—	GPRS (2 Tx slots)	Back	5mm	Ant 0	DSI 3	810	1909.8	27.18	27.50	1.076			-0.1	0.938	1.010	—	
	GSM1900	—	—	—	—	GPRS (2 Tx slots)	Left Side	5mm	Ant 0	DSI 7	661	1880	26.90	27.00	1.023			0.12	0.088	0.090	—	
	GSM1900	—	—	—	—	GPRS (2 Tx slots)	Right Side	5mm	Ant 0	DSI 7	661	1880	26.90	27.00	1.023			0.1	0.120	0.123	—	
30	GSM1900	—	—	—	—	GPRS (2 Tx slots)	Bottom Side	5mm	Ant 0	DSI 7	661	1880	26.90	27.00	1.023			0.16	1.170	1.197	—	
	GSM1900	—	—	—	—	GPRS (2 Tx slots)	Bottom Side	5mm	Ant 0	DSI 7	512	1850.2	26.88	27.00	1.028			0.06	1.300	1.336	1	
	Repeated	GSM1900	—	—	—	—	GPRS (2 Tx slots)	Bottom Side	5mm	Ant 0	DSI 7	512	1850.2	26.88	27.00	1.028			0.06	1.230	1.264	1.057
	GSM1900	—	—	—	—	GPRS (2 Tx slots)	Bottom Side	5mm	Ant 0	DSI 7	810	1909.8	26.82	27.00	1.042			-0.11	1.050	1.094	—	
	31	WCDMA II	—	—	—	—	RMC 12.2Kbps	Front	5mm	Ant 0	DSI 3	9400	1880	17.28	18.00	1.180			-0.17	0.650	0.767	—
		WCDMA II	—	—	—	—	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 3	9400	1880	17.28	18.00	1.180			-0.1	0.973	1.148	—
WCDMA II		—	—	—	—	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 3	9262	1852.4	16.94	18.00	1.276			0.11	1.040	1.327	—	
WCDMA II		—	—	—	—	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 3	9538	1907.6	16.95	18.00	1.274			0.08	0.845	1.076	—	
WCDMA II		—	—	—	—	RMC 12.2Kbps	Left Side	5mm	Ant 0	DSI 7	9400	1880	16.78	17.50	1.180			0.05	0.069	0.081	—	
WCDMA II		—	—	—	—	RMC 12.2Kbps	Right Side	5mm	Ant 0	DSI 7	9400	1880	16.78	17.50	1.180			-0.04	0.106	0.125	—	
	WCDMA II	—	—	—	—	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI 7	9400	1880	16.78	17.50	1.180			0.01	1.040	1.228	—	
	WCDMA II	—	—	—	—	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI 7	9262	1852.4	16.53	17.50	1.250			0.02	1.030	1.288	—	
	WCDMA II	—	—	—	—	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI 7	9538	1907.6	16.45	17.50	1.274			-0.17	0.983	1.252	—	
		LTE Band 2	20M	QPSK	1	0	—	Front	5mm	Ant 0	DSI 3	18900	1880	17.69	18.50	1.205			0.12	0.679	0.818	—
		LTE Band 2	20M	QPSK	1	0	—	Front	5mm	Ant 0	DSI 3	18700	1860	17.42	18.50	1.282			-0.06	0.669	0.858	—
		LTE Band 2	20M	QPSK	1	0	—	Front	5mm	Ant 0	DSI 3	19100	1900	17.33	18.50	1.309			-0.08	0.581	0.761	—
LTE Band 2		20M	QPSK	50	0	—	Front	5mm	Ant 0	DSI 3	18900	1880	17.48	18.50	1.265			0.16	0.675	0.854	—	
LTE Band 2		20M	QPSK	50	0	—	Front	5mm	Ant 0	DSI 3	18700	1860	17.22	18.50	1.343			-0.15	0.646	0.867	—	
LTE Band 2		20M	QPSK	50	0	—	Front	5mm	Ant 0	DSI 3	19100	1900	17.13	18.50	1.371			-0.1	0.625	0.857	—	
	LTE Band 2	20M	QPSK	100	0	—	Front	5mm	Ant 0	DSI 3	18900	1880	17.59	18.50	1.233			0.08	0.652	0.804	—	
	LTE Band 2	20M	QPSK	1	0	—	Back	5mm	Ant 0	DSI 3	18900	1880	17.69	18.50	1.205			0.1	1.000	1.205	—	
	LTE Band 2	20M	QPSK	1	0	—	Back	5mm	Ant 0	DSI 3	18700	1860	17.42	18.50	1.282			0.01	1.040	1.334	—	
	LTE Band 2	20M	QPSK	1	0	—	Back	5mm	Ant 0	DSI 3	19100	1900	17.33	18.50	1.309			-0.05	0.887	1.161	—	
	LTE Band 2	20M	QPSK	50	0	—	Back	5mm	Ant 0	DSI 3	18900	1880	17.48	18.50	1.265			0.08	0.999	1.263	—	
	LTE Band 2	20M	QPSK	50	0	—	Back	5mm	Ant 0	DSI 3	18700	1860	17.22	18.50	1.343			-0.17	0.982	1.319	—	
	LTE Band 2	20M	QPSK	50	0	—	Back	5mm	Ant 0	DSI 3	19100	1900	17.13	18.50	1.371			-0.17	0.924	1.267	—	
	LTE Band 2	20M	QPSK	100	0	—	Back	5mm	Ant 0	DSI 3	18900	1880	17.59	18.50	1.233			0.14	0.998	1.231	—	
	LTE Band 2	20M	QPSK	1	0	—	Left Side	5mm	Ant 0	DSI 7	18900	1880	17.23	18.00	1.194			0.03	0.068	0.081	—	
	LTE Band 2	20M	QPSK	50	0	—	Left Side	5mm	Ant 0	DSI 7	18900	1880	17.07	18.00	1.239			-0.1	0.066	0.082	—	
	LTE Band 2	20M	QPSK	1	0	—	Right Side	5mm	Ant 0	DSI 7	18900	1880	17.23	18.00	1.194			0.08	0.098	0.117	—	
	LTE Band 2	20M	QPSK	50	0	—	Right Side	5mm	Ant 0	DSI 7</												



SAR Test Record

Hotspot SAR Test																						
System & Position								DUT & Accessory			Power								SAR			
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	—	Front	5mm	Ant 5	DSI 3	21100	2535	18.35	19.50	1.303			0.13	0.853	1.112	—	
	LTE Band 7	20M	QPSK	1	0	—	Front	5mm	Ant 5	DSI 3	20850	2510	18.02	19.50	1.406			0.14	0.894	1.257	—	
	LTE Band 7	20M	QPSK	1	0	—	Front	5mm	Ant 5	DSI 3	21350	2560	18.22	19.50	1.343			-0.14	0.742	0.996	—	
	LTE Band 7	20M	QPSK	50	0	—	Front	5mm	Ant 5	DSI 3	21100	2535	18.26	19.50	1.330			-0.02	0.783	1.042	—	
	LTE Band 7	20M	QPSK	50	0	—	Front	5mm	Ant 5	DSI 3	20850	2510	17.98	19.50	1.419			0.08	0.803	1.140	—	
	LTE Band 7	20M	QPSK	50	0	—	Front	5mm	Ant 5	DSI 3	21350	2560	18.09	19.50	1.384			0.12	0.714	0.988	—	
	LTE Band 7	20M	QPSK	100	0	—	Front	5mm	Ant 5	DSI 3	21100	2535	18.28	19.50	1.324			0.16	0.775	1.026	—	
	LTE Band 7	20M	QPSK	1	0	—	Back	5mm	Ant 5	DSI 3	21100	2535	18.35	19.50	1.303			-0.14	0.979	1.276	—	
33	LTE Band 7	20M	QPSK	1	0	—	Back	5mm	Ant 5	DSI 3	20850	2510	18.02	19.50	1.406			-0.05	1.020	1.434	—	
	LTE Band 7	20M	QPSK	1	0	—	Back	5mm	Ant 5	DSI 3	21350	2560	18.22	19.50	1.343			0.02	0.838	1.125	—	
	LTE Band 7	20M	QPSK	50	0	—	Back	5mm	Ant 5	DSI 3	21100	2535	18.26	19.50	1.330			0.16	0.895	1.191	—	
	LTE Band 7	20M	QPSK	50	0	—	Back	5mm	Ant 5	DSI 3	20850	2510	17.98	19.50	1.419			0.02	0.920	1.306	—	
	LTE Band 7	20M	QPSK	50	0	—	Back	5mm	Ant 5	DSI 3	21350	2560	18.09	19.50	1.384			0.01	0.884	1.223	—	
	LTE Band 7	20M	QPSK	100	0	—	Back	5mm	Ant 5	DSI 3	21100	2535	18.28	19.50	1.324			0.09	0.886	1.173	—	
	LTE Band 7	20M	QPSK	1	0	—	Left Side	5mm	Ant 5	DSI 7	21100	2535	18.35	19.50	1.303			0.02	0.513	0.669	—	
	LTE Band 7	20M	QPSK	50	0	—	Left Side	5mm	Ant 5	DSI 7	21100	2535	18.26	19.50	1.330			0.1	0.511	0.680	—	
	LTE Band 7	20M	QPSK	1	0	—	Bottom Side	5mm	Ant 5	DSI 7	21100	2535	18.35	19.50	1.303			-0.07	0.512	0.667	—	
	LTE Band 7	20M	QPSK	50	0	—	Bottom Side	5mm	Ant 5	DSI 7	21100	2535	18.26	19.50	1.330			-0.18	0.503	0.669	—	
	LTE Band 41	20M	QPSK	1	0	—	Front	5mm	Ant 5	DSI 3	40620	2593	21.87	23.00	1.297	62.9	1.006	0.11	0.855	1.116	—	
	LTE Band 41	20M	QPSK	1	0	—	Front	5mm	Ant 5	DSI 3	39750	2506	21.80	23.00	1.318	62.9	1.006	0.08	0.903	1.198	—	
	LTE Band 41	20M	QPSK	1	0	—	Front	5mm	Ant 5	DSI 3	40185	2549.5	21.83	23.00	1.309	62.9	1.006	0.03	0.848	1.117	—	
	LTE Band 41	20M	QPSK	1	0	—	Front	5mm	Ant 5	DSI 3	41055	2636.5	21.73	23.00	1.340	62.9	1.006	-0.01	0.833	1.123	—	
	LTE Band 41	20M	QPSK	1	0	—	Front	5mm	Ant 5	DSI 3	41490	2680	21.67	23.00	1.358	62.9	1.006	-0.01	0.773	1.056	—	
	LTE Band 41	20M	QPSK	50	0	—	Front	5mm	Ant 5	DSI 3	40620	2593	21.74	23.00	1.337	62.9	1.006	-0.02	0.903	1.214	—	
	LTE Band 41	20M	QPSK	50	0	—	Front	5mm	Ant 5	DSI 3	39750	2506	21.54	23.00	1.400	62.9	1.006	0.07	0.859	1.209	—	
	LTE Band 41	20M	QPSK	50	0	—	Front	5mm	Ant 5	DSI 3	40185	2549.5	21.63	23.00	1.371	62.9	1.006	0.11	0.899	1.240	—	
	LTE Band 41	20M	QPSK	50	0	—	Front	5mm	Ant 5	DSI 3	41055	2636.5	21.68	23.00	1.355	62.9	1.006	0.1	0.801	1.092	—	
	LTE Band 41	20M	QPSK	50	0	—	Front	5mm	Ant 5	DSI 3	41490	2680	21.51	23.00	1.409	62.9	1.006	-0.12	0.799	1.133	—	
	LTE Band 41	20M	QPSK	100	0	—	Front	5mm	Ant 5	DSI 3	40620	2593	21.77	23.00	1.327	62.9	1.006	0.13	0.759	1.014	—	
34	LTE Band 41	20M	QPSK	1	0	—	Back	5mm	Ant 5	DSI 3	40620	2593	21.87	23.00	1.297	62.9	1.006	-0.13	1.060	1.383	—	
	LTE Band 41	20M	QPSK	1	0	—	Back	5mm	Ant 5	DSI 3	39750	2506	21.80	23.00	1.318	62.9	1.006	0.04	0.987	1.309	—	
	LTE Band 41	20M	QPSK	1	0	—	Back	5mm	Ant 5	DSI 3	40185	2549.5	21.83	23.00	1.309	62.9	1.006	-0.05	0.998	1.314	—	
	LTE Band 41	20M	QPSK	1	0	—	Back	5mm	Ant 5	DSI 3	41055	2636.5	21.73	23.00	1.340	62.9	1.006	0.17	0.945	1.274	—	
	LTE Band 41	20M	QPSK	1	0	—	Back	5mm	Ant 5	DSI 3	41490	2680	21.67	23.00	1.358	62.9	1.006	0.16	0.900	1.230	—	
	LTE Band 41	20M	QPSK	50	0	—	Back	5mm	Ant 5	DSI 3	40620	2593	21.74	23.00	1.337	62.9	1.006	0.01	1.000	1.345	—	
	LTE Band 41	20M	QPSK	50	0	—	Back	5mm	Ant 5	DSI 3	39750	2506	21.54	23.00	1.400	62.9	1.006	-0.15	0.903	1.271	—	
	LTE Band 41	20M	QPSK	50	0	—	Back	5mm	Ant 5	DSI 3	40185	2549.5	21.63	23.00	1.371	62.9	1.006	-0.18	0.884	1.219	—	
	LTE Band 41	20M	QPSK	50	0	—	Back	5mm	Ant 5	DSI 3	41055	2636.5	21.68	23.00	1.355	62.9	1.006	-0.15	0.921	1.256	—	
	LTE Band 41	20M	QPSK	50	0	—	Back	5mm	Ant 5	DSI 3	41490	2680	21.51	23.00	1.409	62.9	1.006	-0.15	0.875	1.241	—	
	LTE Band 41	20M	QPSK	100	0	—	Back	5mm	Ant 5	DSI 3	40620	2593	21.77	23.00	1.327	62.9	1.006	-0.04	0.964	1.287	—	
	LTE Band 41	20M	QPSK	1	0	—	Left Side	5mm	Ant 5	DSI 3	40620	2593	21.87	23.00	1.297	62.9	1.006	-0.13	0.393	0.513	—	
	LTE Band 41	20M	QPSK	50	0	—	Left Side	5mm	Ant 5	DSI 3	40620	2593	21.74	23.00	1.337	62.9	1.006	0.17	0.313	0.421	—	
	LTE Band 41	20M	QPSK	1	0	—	Bottom Side	5mm	Ant 5	DSI 3	40620	2593	21.87	23.00	1.297	62.9	1.006	-0.16	0.535	0.698	—	
	LTE Band 41	20M	QPSK	1	0	—	Bottom Side	5mm	Ant 5	DSI 3	39750	2506	21.80	23.00	1.318	62.9	1.006	-0.11	0.645	0.855	—	
	LTE Band 41	20M	QPSK	1	0	—	Bottom Side	5mm	Ant 5	DSI 3	40185	2549.5	21.83	23.00	1.309	62.9	1.006	-0.09	0.579	0.763	—	
LTE Band 41	20M	QPSK	1	0	—	Bottom Side	5mm	Ant 5	DSI 3	41055	2636.5	21.73	23.00	1.340	62.9	1.006	0.04	0.632	0.852	—		
LTE Band 41	20M	QPSK	1	0	—	Bottom Side	5mm	Ant 5	DSI 3	41490	2680	21.67	23.00	1.358	62.9	1.006	0.06	0.436	0.596	—		
LTE Band 41	20M	QPSK	50	0	—	Bottom Side	5mm	Ant 5	DSI 3	40620	2593	21.74	23.00	1.337	62.9	1.006	-0.04	0.398	0.535	—		
LTE Band 41	20M	QPSK	100	0	—	Bottom Side	5mm	Ant 5	DSI 3	40620	2593	21.77	23.00	1.327	62.9	1.006	0.11	0.389	0.519	—		
WiFi&BT																						
	WLAN2.4GHz	—	—	—	—	802.11b 1Mbps	Front	5mm	Ant 8	Hotspot on	11	2462	18.60	20.00	1.380	97.9	1.021	-0.03	0.617	0.870	—	
	WLAN2.4GHz	—	—	—	—	802.11b 1Mbps	Front	5mm	Ant 8	Hotspot on	1	2412	18.55	20.00	1.396	97.9	1.021	0.08	0.581	0.828	—	
	WLAN2.4GHz	—	—	—	—	802.11b 1Mbps	Back	5mm	Ant 8	Hotspot on	11	2462	18.60	20.00	1.380	97.9	1.021	0.13	0.906	1.277	—	
35	WLAN2.4GHz	—	—	—	—	802.11b 1Mbps	Back	5mm	Ant 8	Hotspot on	1	2412	18.55	20.00	1.396	97.9	1.021	-0.03	0.956	1.363	—	
	WLAN2.4GHz	—	—	—	—	802.11g 6Mbps	Back	5mm	Ant 8	Hotspot on	1	2412	18.66	20.00	1.361	97.49	1.026	-0.03	0.935	1.306	—	
	WLAN2.4GHz	—	—	—	—	802.11n-HT20 MCS0	Back	5mm	Ant 8	Full Power	1	2412	17.90	19.50	1.446	97.49	1.026	-0.03	0.790	1.172	—	
	WLAN2.4GHz	—	—	—	—	802.11b 1Mbps	Back	5mm	Ant 8	Hotspot on	6	2437	18.27	20.00	1.489	97.9	1.021	0.09	0.673	1.023	—	
	WLAN2.4GHz	—	—	—	—	802.11b 1Mbps	Right Side	5mm	Ant 8	Hotspot on	11	2462	18.60	20.00	1.380	97.9	1.021	0.15	0.474	0.668	—	
	WLAN2.4GHz	—	—	—	—	802.11b 1Mbps	Top Side	5mm	Ant 8	Hotspot on	11	2462	18.60	20.00	1.380	97.9	1.021	0.19	0.492	0.693	—	
Bluetooth	—	—	—	—	1Mbps	Back	5mm	Ant														



SAR Test Record

Product Specific 10g SAR SAR Test																						
System & Position								DUT & Accessory				Power							SAR			
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	
835MHz																						
39	WCDMA V	—	—	—	—	RMC 12.2Kbps	Back	0mm	Ant 0	DSI 4	4182	836.4	22.78	24.00	1.324			0.06	1.660	2.198	—	
	WCDMA V	—	—	—	—	RMC 12.2Kbps	Back	0mm	Ant 0	DSI 4	4132	826.4	22.73	24.00	1.340			0.06	1.590	2.130	—	
	WCDMA V	—	—	—	—	RMC 12.2Kbps	Back	0mm	Ant 0	DSI 4	4233	846.6	22.64	24.00	1.368			0.06	1.510	2.065	—	
40	LTE Band 26	15M	QPSK	1	0	—	Back	0mm	Ant 0	DSI 4	26865	831.5	22.70	24.00	1.349			0.09	1.750	2.361	—	
	LTE Band 26	15M	QPSK	36	0	—	Back	0mm	Ant 0	DSI 4	26865	831.5	21.46	23.00	1.426			-0.1	1.330	1.896	—	
	LTE Band 26	15M	QPSK	75	0	—	Back	0mm	Ant 0	DSI 4	26865	831.5	21.58	23.00	1.387			-0.1	1.290	1.789	—	
1900MHz																						
41	GSM1900	—	—	—	—	GPRS (2 Tx slots)	Back	0mm	Ant 0	DSI 4	661	1880	28.35	28.50	1.035			0.16	1.570	1.625	—	
	GSM1900	—	—	—	—	GPRS (2 Tx slots)	Bottom Side	0mm	Ant 0	DSI 4	661	1880	28.35	28.50	1.035			-0.05	1.050	1.087	—	
	WCDMA II	—	—	—	—	RMC 12.2Kbps	Front	0mm	Ant 0	DSI 6	9400	1880	20.84	21.50	1.164			-0.03	1.870	2.177	—	
42	WCDMA II	—	—	—	—	RMC 12.2Kbps	Front	0mm	Ant 0	DSI 6	9262	1852.4	20.50	21.50	1.259			-0.18	1.900	2.392	—	
	WCDMA II	—	—	—	—	RMC 12.2Kbps	Front	0mm	Ant 0	DSI 6	9538	1907.6	20.46	21.50	1.271			-0.14	1.680	2.135	—	
	WCDMA II	—	—	—	—	RMC 12.2Kbps	Back	0mm	Ant 0	DSI 6	9400	1880	20.84	21.50	1.164			0.12	2.210	2.573	—	
	WCDMA II	—	—	—	—	RMC 12.2Kbps	Back	0mm	Ant 0	DSI 6	9262	1852.4	20.50	21.50	1.259			0.05	2.520	3.172	—	
	WCDMA II	—	—	—	—	RMC 12.2Kbps	Back	0mm	Ant 0	DSI 6	9538	1907.6	20.46	21.50	1.271			-0.17	1.940	2.465	—	
	WCDMA II	—	—	—	—	RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI 6	9400	1880	20.84	21.50	1.164			0.15	1.520	1.769	—	
	WCDMA II	—	—	—	—	RMC 12.2Kbps	Front	10mm	Ant 0	DSI 4	9262	1852.4	22.95	24.00	1.274			0.11	0.596	0.759	—	
	WCDMA II	—	—	—	—	RMC 12.2Kbps	Back	19mm	Ant 0	DSI 4	9262	1852.4	22.95	24.00	1.274			0.03	0.340	0.433	—	
	WCDMA II	—	—	—	—	RMC 12.2Kbps	Bottom Side	18mm	Ant 0	DSI 4	9262	1852.4	22.95	24.00	1.274			-0.11	0.508	0.647	—	
	LTE Band 2	20M	QPSK	1	0	—	Front	0mm	Ant 0	DSI 6	18900	1880	21.69	22.50	1.205			0.13	2.010	2.422	—	
	LTE Band 2	20M	QPSK	1	0	—	Front	0mm	Ant 0	DSI 6	18700	1860	21.45	22.50	1.274			-0.11	2.090	2.662	—	
	LTE Band 2	20M	QPSK	1	0	—	Front	0mm	Ant 0	DSI 6	19100	1900	21.58	22.50	1.236			0.16	1.860	2.299	—	
43	LTE Band 2	20M	QPSK	50	0	—	Front	0mm	Ant 0	DSI 6	18900	1880	21.63	22.50	1.222			-0.07	2.140	2.615	—	
	LTE Band 2	20M	QPSK	50	0	—	Front	0mm	Ant 0	DSI 6	18700	1860	21.31	22.50	1.315			-0.18	2.090	2.749	—	
	LTE Band 2	20M	QPSK	50	0	—	Front	0mm	Ant 0	DSI 6	19100	1900	21.43	22.50	1.279			0.05	2.010	2.572	—	
	LTE Band 2	20M	QPSK	100	0	—	Front	0mm	Ant 0	DSI 6	18900	1880	21.51	22.50	1.256			0.18	2.030	2.550	—	
	LTE Band 2	20M	QPSK	1	0	—	Back	0mm	Ant 0	DSI 6	18900	1880	21.69	22.50	1.205			-0.17	2.500	3.013	—	
	LTE Band 2	20M	QPSK	1	0	—	Back	0mm	Ant 0	DSI 6	18700	1860	21.45	22.50	1.274			-0.02	2.690	3.426	1	
	LTE Band 2	20M	QPSK	1	0	—	Back	0mm	Ant 0	DSI 6	18700	1860	21.45	22.50	1.274			0.11	2.630	3.349	1.023	
	LTE Band 2	20M	QPSK	1	0	—	Back	0mm	Ant 0	DSI 6	19100	1900	21.58	22.50	1.236			-0.13	2.180	2.694	—	
	LTE Band 2	20M	QPSK	50	0	—	Back	0mm	Ant 0	DSI 6	18900	1880	21.63	22.50	1.222			-0.15	2.380	2.908	—	
	LTE Band 2	20M	QPSK	50	0	—	Back	0mm	Ant 0	DSI 6	18700	1860	21.31	22.50	1.315			0.05	2.450	3.222	—	
	LTE Band 2	20M	QPSK	50	0	—	Back	0mm	Ant 0	DSI 6	19100	1900	21.43	22.50	1.279			0.17	2.590	3.314	—	
	LTE Band 2	20M	QPSK	100	0	—	Back	0mm	Ant 0	DSI 6	18900	1880	21.51	22.50	1.256			-0.09	2.540	3.190	—	
	LTE Band 2	20M	QPSK	1	0	—	Bottom Side	0mm	Ant 0	DSI 6	18900	1880	21.69	22.50	1.205			-0.03	1.570	1.892	—	
	LTE Band 2	20M	QPSK	50	0	—	Bottom Side	0mm	Ant 0	DSI 6	18900	1880	21.63	22.50	1.222			-0.1	1.330	1.625	—	
	LTE Band 2	20M	QPSK	1	0	—	Front	10mm	Ant 0	DSI 4	18900	1880	23.10	24.00	1.230			-0.11	0.520	0.640	—	
	LTE Band 2	20M	QPSK	1	0	—	Back	19mm	Ant 0	DSI 4	18900	1880	23.10	24.00	1.230			0.02	0.307	0.378	—	
	LTE Band 2	20M	QPSK	1	0	—	Bottom Side	18mm	Ant 0	DSI 4	18900	1880	23.10	24.00	1.230			0.07	0.450	0.554	—	
2600MHz																						
44	LTE Band 7	20M	QPSK	1	0	—	Front	0mm	Ant 5	DSI 6	21100	2535	18.35	19.50	1.303			0.06	0.980	1.277	—	
	LTE Band 7	20M	QPSK	50	0	—	Front	0mm	Ant 5	DSI 6	21100	2535	18.26	19.50	1.330			-0.04	1.003	1.334	—	
	LTE Band 7	20M	QPSK	1	0	—	Back	0mm	Ant 5	DSI 6	21100	2535	18.35	19.50	1.303			0.05	1.390	1.811	—	
	LTE Band 7	20M	QPSK	50	0	—	Back	0mm	Ant 5	DSI 6	21100	2535	18.26	19.50	1.330			-0.04	0.978	1.301	—	
	LTE Band 7	20M	QPSK	1	0	—	Left Side	0mm	Ant 5	DSI 6	21100	2535	18.35	19.50	1.303			0.1	0.925	1.205	—	
	LTE Band 7	20M	QPSK	50	0	—	Left Side	0mm	Ant 5	DSI 6	21100	2535	18.26	19.50	1.330			-0.12	0.925	1.231	—	
	LTE Band 7	20M	QPSK	1	0	—	Bottom Side	0mm	Ant 5	DSI 6	21100	2535	18.35	19.50	1.303			0.09	0.712	0.928	—	
	LTE Band 7	20M	QPSK	50	0	—	Bottom Side	0mm	Ant 5	DSI 6	21100	2535	18.26	19.50	1.330			-0.18	0.712	0.947	—	
	LTE Band 7	20M	QPSK	1	0	—	Front	6mm	Ant 5	DSI 4	21100	2535	22.76	24.00	1.330			0.11	1.150	1.530	—	
	LTE Band 7	20M	QPSK	1	0	—	Back	10mm	Ant 5	DSI 4	21100	2535	22.76	24.00	1.330			0.07	0.660	0.878	—	
	LTE Band 7	20M	QPSK	1	0	—	Left Side	5mm	Ant 5	DSI 4	21100	2535	22.76	24.00	1.330			-0.1	0.156	0.208	—	
	LTE Band 7	20M	QPSK	1	0	—	Bottom Side	10mm	Ant 5	DSI 4	21100	2535	22.76	24.00	1.330			0.05	0.599	0.797	—	
45	LTE Band 41	20M	QPSK	1	0	—	Front	0mm	Ant 5	DSI 6	40620	2593	21.87	23.00	1.297	62.9	1.006	-0.1	0.801	1.045	—	
	LTE Band 41	20M	QPSK	50	0	—	Front	0mm	Ant 5	DSI 6	40620	2593	21.74	23.00	1.337	62.9	1.006	0.03	0.985	1.324	—	
	LTE Band 41	20M	QPSK	1	0	—	Back	0mm	Ant 5	DSI 6	40620	2593	21.87	23.00	1.297	62.9	1.006	0.06	1.090	1.422	—	
	LTE Band 41	20M	QPSK	50	0	—	Back	0mm	Ant 5	DSI 6	40620	2593	21.74	23.00	1.337	62.9	1.006	-0.05	1.030	1.385	—	
	LTE Band 41	20M	QPSK	1	0	—	Bottom Side	0mm	Ant 5	DSI 6	40620	2593	21.87	23.00	1.297	62.9	1.006	-0.13	0.311	0.406	—	
	LTE Band 41	20M	QPSK	50	0	—	Bottom Side	0mm	Ant 5	DSI 6	40620	2593	21.74	23.00	1.337	62.9	1.006	-0.16	0.286	0.385	—	
	LTE Band 41	20M	QPSK	1	0	—	Front	6mm	Ant 5	DSI 4	40620	2593	22.89	24.00	1.291	62.9	1.006	-0.1	0.598	0.777	—	
46	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	0.981	1.376	—	
	WLAN2.4GHz	—	—	—	—	802.11b 1Mbps	Back	0mm	Ant 8	Full Power	1	2412	19.00	20.50	1.413	97.9	1.021	0.05	1.120	1.615	—	
	WLAN2.4GHz	—	—	—	—	802.11b 1Mbps	Back	0mm	Ant 8	Full Power	6	2437	18.78	20.50	1.486	97.9	1.021	-0.05	0.804	1.220	—	
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