



# 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)	Sample	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
<b>750MHz</b>																						
01	LTE Band 12	10M	QPSK	1	0	---	Right Cheek	0mm	Ant 1	DSI 2	23095	707.5	1	24.61	25.00	1.094			0.02	0.921	<b>1.008</b>	1
Repeated	LTE Band 12	10M	QPSK	1	0	---	Right Cheek	0mm	Ant 1	DSI 2	23095	707.5	1	24.61	25.00	1.094			0.01	0.911	0.997	1.011
	LTE Band 12	10M	QPSK	25	0	---	Right Cheek	0mm	Ant 1	DSI 2	23095	707.5	1	23.65	24.00	1.084			0.05	0.811	0.879	---
	LTE Band 12	10M	QPSK	50	0	---	Right Cheek	0mm	Ant 1	DSI 2	23095	707.5	1	23.45	24.00	1.135			0.03	0.785	0.891	---
	LTE Band 12	10M	QPSK	1	0	---	Right Tilted	0mm	Ant 1	DSI 2	23095	707.5	1	24.61	25.00	1.094			-0.07	0.871	0.953	---
	LTE Band 12	10M	QPSK	25	0	---	Right Tilted	0mm	Ant 1	DSI 2	23095	707.5	1	23.65	24.00	1.084			-0.03	0.794	0.861	---
	LTE Band 12	10M	QPSK	50	0	---	Right Tilted	0mm	Ant 1	DSI 2	23095	707.5	1	23.45	24.00	1.135			0.06	0.741	0.841	---
	LTE Band 12	10M	QPSK	1	0	---	Left Cheek	0mm	Ant 1	DSI 2	23095	707.5	1	24.61	25.00	1.094			-0.06	0.429	0.469	---
	LTE Band 12	10M	QPSK	25	0	---	Left Cheek	0mm	Ant 1	DSI 2	23095	707.5	1	23.65	24.00	1.084			-0.01	0.368	0.368	---
	LTE Band 12	10M	QPSK	1	0	---	Left Tilted	0mm	Ant 1	DSI 2	23095	707.5	1	24.61	25.00	1.094			0.02	0.461	0.504	---
	LTE Band 12	10M	QPSK	25	0	---	Left Tilted	0mm	Ant 1	DSI 2	23095	707.5	1	23.65	24.00	1.084			-0.06	0.415	0.450	---
Simultaneous	LTE Band 12	10M	QPSK	1	0	---	Right Cheek	0mm	Ant 1	DSI 2	23095	707.5	1	23.70	24.00	1.072			0.02	0.839	0.899	---
	LTE Band 12	10M	QPSK	1	0	---	Right Cheek	0mm	Ant 1	DSI 2	23095	707.5	2	24.61	25.00	1.094			0.03	0.803	0.878	---
02	LTE Band 13	10M	QPSK	1	0	---	Right Cheek	0mm	Ant 0	DSI 2	23230	782	1	24.31	25.00	1.172			0.08	0.204	<b>0.239</b>	---
	LTE Band 13	10M	QPSK	25	0	---	Right Cheek	0mm	Ant 0	DSI 2	23230	782	1	23.33	24.00	1.167			-0.03	0.188	0.219	---
	LTE Band 13	10M	QPSK	1	0	---	Right Tilted	0mm	Ant 0	DSI 2	23230	782	1	24.31	25.00	1.172			-0.06	0.114	0.134	---
	LTE Band 13	10M	QPSK	25	0	---	Right Tilted	0mm	Ant 0	DSI 2	23230	782	1	23.33	24.00	1.167			-0.01	0.103	0.120	---
	LTE Band 13	10M	QPSK	1	0	---	Left Cheek	0mm	Ant 0	DSI 2	23230	782	1	24.31	25.00	1.172			0.02	0.165	0.193	---
	LTE Band 13	10M	QPSK	25	0	---	Left Cheek	0mm	Ant 0	DSI 2	23230	782	1	23.33	24.00	1.167			-0.06	0.149	0.174	---
	LTE Band 13	10M	QPSK	1	0	---	Left Tilted	0mm	Ant 0	DSI 2	23230	782	1	24.31	25.00	1.172			0.06	0.102	0.120	---
	LTE Band 13	10M	QPSK	25	0	---	Left Tilted	0mm	Ant 0	DSI 2	23230	782	1	23.33	24.00	1.167			-0.05	0.092	0.107	---
	LTE Band 13	10M	QPSK	1	0	---	Right Cheek	0mm	Ant 0	DSI 2	23230	782	2	24.31	25.00	1.172			0.02	0.130	0.152	---
<b>835MHz</b>																						
	GSM850	---	---	---	---	GPRS (3 Tx slots)	Right Cheek	0mm	Ant 0	DSI 2	128	824.2	1	29.71	30.90	1.315			0.06	0.181	0.238	---
	GSM850	---	---	---	---	GPRS (3 Tx slots)	Right Tilted	0mm	Ant 0	DSI 2	128	824.2	1	29.71	30.90	1.315			-0.05	0.120	0.158	---
	GSM850	---	---	---	---	GPRS (3 Tx slots)	Left Cheek	0mm	Ant 0	DSI 2	128	824.2	1	29.71	30.90	1.315			-0.04	0.204	0.268	---
	GSM850	---	---	---	---	GPRS (3 Tx slots)	Left Tilted	0mm	Ant 0	DSI 2	128	824.2	1	29.71	30.90	1.315			0.01	0.137	0.180	---
	WCDMA V	---	---	---	---	RMC 12.2Kbps	Right Cheek	0mm	Ant 0	DSI 2	4182	836.4	1	23.72	24.00	1.067			0.08	0.300	0.320	---
	WCDMA V	---	---	---	---	RMC 12.2Kbps	Right Tilted	0mm	Ant 0	DSI 2	4182	836.4	1	23.72	24.00	1.067			-0.06	0.165	0.176	---
	WCDMA V	---	---	---	---	RMC 12.2Kbps	Left Cheek	0mm	Ant 0	DSI 2	4182	836.4	1	23.72	24.00	1.067			0.05	0.221	0.236	---
	WCDMA V	---	---	---	---	RMC 12.2Kbps	Left Tilted	0mm	Ant 0	DSI 2	4182	836.4	1	23.72	24.00	1.067			0.02	0.140	0.149	---
	WCDMA V	---	---	---	---	RMC 12.2Kbps	Right Cheek	0mm	Ant 0	DSI 2	4182	836.4	2	23.72	24.00	1.067			0.03	0.148	0.158	---
03	FR1 n5	20M	QPSK	1	1	DFT-15	Right Cheek	0mm	Ant 1	DSI 2	167300	836.5	1	21.82	22.80	1.253			0.06	0.965	<b>1.234</b>	---
	FR1 n5	20M	QPSK	1	1	DFT-15	Right Cheek	0mm	Ant 1	DSI 2	166800	834	1	21.70	22.80	1.288			0.03	0.942	1.214	---
	FR1 n5	20M	QPSK	1	1	DFT-15	Right Cheek	0mm	Ant 1	DSI 2	167800	839	1	21.61	22.80	1.315			0.01	0.926	1.218	---
	FR1 n5	20M	QPSK	50	28	DFT-15	Right Cheek	0mm	Ant 1	DSI 2	167300	836.5	1	21.75	22.80	1.274			0.05	0.851	1.084	---
	FR1 n5	20M	QPSK	50	28	DFT-15	Right Cheek	0mm	Ant 1	DSI 2	166800	834	1	21.58	22.80	1.324			0.06	0.831	1.101	---
	FR1 n5	20M	QPSK	50	28	DFT-15	Right Cheek	0mm	Ant 1	DSI 2	167800	839	1	21.51	22.80	1.346			0.03	0.828	1.114	---
	FR1 n5	20M	QPSK	100	0	DFT-15	Right Cheek	0mm	Ant 1	DSI 2	167300	836.5	1	21.67	22.80	1.297			-0.06	0.889	1.153	---
	FR1 n5	20M	QPSK	1	1	DFT-15	Right Tilted	0mm	Ant 1	DSI 2	167300	836.5	1	21.82	22.80	1.253			0.06	0.769	0.964	---
	FR1 n5	20M	QPSK	1	1	DFT-15	Right Tilted	0mm	Ant 1	DSI 2	166800	834	1	21.70	22.80	1.288			-0.01	0.742	0.956	---
	FR1 n5	20M	QPSK	1	1	DFT-15	Right Tilted	0mm	Ant 1	DSI 2	167800	839	1	21.61	22.80	1.315			0.05	0.730	0.960	---
	FR1 n5	20M	QPSK	50	28	DFT-15	Right Tilted	0mm	Ant 1	DSI 2	167300	836.5	1	21.75	22.80	1.274			-0.03	0.782	0.996	---
	FR1 n5	20M	QPSK	50	28	DFT-15	Right Tilted	0mm	Ant 1	DSI 2	166800	834	1	21.58	22.80	1.324			0.09	0.715	0.947	---
	FR1 n5	20M	QPSK	50	28	DFT-15	Right Tilted	0mm	Ant 1	DSI 2	167800	839	1	21.51	22.80	1.346			0.06	0.720	0.969	---
	FR1 n5	20M	QPSK	100	0	DFT-15	Right Tilted	0mm	Ant 1	DSI 2	167300	836.5	1	21.67	22.80	1.297			0.07	0.789	0.988	---
	FR1 n5	20M	QPSK	1	1	DFT-15	Left Cheek	0mm	Ant 1	DSI 2	167300	836.5	1	21.82	22.80	1.253			-0.03	0.576	0.722	---
	FR1 n5	20M	QPSK	50	28	DFT-15	Left Cheek	0mm	Ant 1	DSI 2	167300	836.5	1	21.75	22.80	1.274			0.02	0.509	0.648	---
	FR1 n5	20M	QPSK	1	1	DFT-15	Left Tilted	0mm	Ant 1	DSI 2	167300	836.5	1	21.82	22.80	1.253			0.02	0.502	0.629	---
	FR1 n5	20M	QPSK	50	28	DFT-15	Left Tilted	0mm	Ant 1	DSI 2	167300	836.5	1	21.75	22.80	1.274			-0.02	0.483	0.615	---
Simultaneous	FR1 n5	20M	QPSK	1	1	DFT-15	Right Cheek	0mm	Ant 1	DSI 2	167300	836.5	1	20.38	21.50	1.294			0.03	0.729	0.943	---
04	GSM850	---	---	---	---	GPRS (3 Tx slots)	Right Cheek	0mm	Ant 1	DSI 2	189	836.4	1	26.96	27.20	1.057			0.02	1.090	<b>1.152</b>	---
	GSM850	---	---	---	---	GPRS (3 Tx slots)	Right Cheek	0mm	Ant 1	DSI 2	128	824.2	1	26.88	27.20	1.076			-0.06	0.918	0.988	---
	GSM850	---	---	---	---	GPRS (3 Tx slots)	Right Cheek	0mm	Ant 1	DSI 2	251	848.8	1	26.75	27.20	1.109			-0.01	0.945	1.048	---
	GSM850	---	---	---	---	GPRS (3 Tx slots)	Right Tilted	0mm	Ant 1	DSI 2	189	836.4	1	26.96	27.20	1.057			0.02	0.822	0.869	---
	GSM850	---	---	---	---	GPRS (3 Tx slots)	Right Tilted	0mm	Ant 1	DSI 2	128	824.2	1	26.88	27.20	1.076			0.06	0.739	0.796	---
	GSM850	---	---	---	---	GPRS (3 Tx slots)	Right Tilted	0mm	Ant 1	DSI 2	251	848.8	1	26.75	27.20	1.109			0.06	0.714	0.792	---
	GSM850	---	---	---	---	GPRS (3 Tx slots)	Left Cheek	0mm	Ant 1	DSI 2	189	836.4	1	26.96	27.20	1.057			-0.05	0.740	0.782	---
	GSM850	---	---	---	---	GPRS (3 Tx slots)	Left Tilted	0mm	Ant 1	DSI 2	189											



# 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)	Sample	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
<b>1750MHz</b>																						
07	WCDMA IV	—	—	—	—	RMC 12.2Kbps	Right Cheek	0mm	Ant 0	DS1 2	1413	1732.6	1	23.06	24.00	1.242	—	—	0.01	0.163	0.202	—
	WCDMA IV	—	—	—	—	RMC 12.2Kbps	Right Tilted	0mm	Ant 0	DS1 2	1413	1732.6	1	23.06	24.00	1.242	—	—	-0.06	0.098	0.122	—
	WCDMA IV	—	—	—	—	RMC 12.2Kbps	Left Cheek	0mm	Ant 0	DS1 2	1413	1732.6	1	23.06	24.00	1.242	—	—	0.06	0.109	0.135	—
	WCDMA IV	—	—	—	—	RMC 12.2Kbps	Left Tilted	0mm	Ant 0	DS1 2	1413	1732.6	1	23.06	24.00	1.242	—	—	-0.05	0.075	0.093	—
	LTE Band 66	20M	QPSK	1	0	—	Right Cheek	0mm	Ant 0	DS1 2	132322	1745	1	22.68	24.00	1.355	—	—	0.06	0.071	0.096	—
	LTE Band 66	20M	QPSK	50	0	—	Right Cheek	0mm	Ant 0	DS1 2	132322	1745	1	21.65	23.00	1.365	—	—	-0.05	0.060	0.082	—
	LTE Band 66	20M	QPSK	1	0	—	Right Tilted	0mm	Ant 0	DS1 2	132322	1745	1	22.28	24.00	1.355	—	—	-0.06	0.042	0.057	—
	LTE Band 66	20M	QPSK	50	0	—	Right Tilted	0mm	Ant 0	DS1 2	132322	1745	1	21.65	23.00	1.365	—	—	0.05	0.035	0.048	—
	LTE Band 66	20M	QPSK	1	0	—	Left Cheek	0mm	Ant 0	DS1 2	132322	1745	1	22.68	24.00	1.355	—	—	0.06	0.120	0.163	—
	LTE Band 66	20M	QPSK	50	0	—	Left Cheek	0mm	Ant 0	DS1 2	132322	1745	1	21.65	23.00	1.365	—	—	-0.06	0.112	0.153	—
	LTE Band 66	20M	QPSK	1	0	—	Left Tilted	0mm	Ant 0	DS1 2	132322	1745	1	22.68	24.00	1.355	—	—	0.06	0.097	0.131	—
	LTE Band 66	20M	QPSK	50	0	—	Left Tilted	0mm	Ant 0	DS1 2	132322	1745	1	21.65	23.00	1.365	—	—	-0.05	0.079	0.108	—
	FR1 n66	40M	QPSK	1	1	DFT-15	Right Cheek	0mm	Ant 0	DS1 2	349000	1745	1	22.28	24.00	1.486	—	—	0.1	0.149	0.221	—
	FR1 n66	40M	QPSK	108	54	DFT-15	Right Cheek	0mm	Ant 0	DS1 2	349000	1745	1	22.20	24.00	1.514	—	—	0.08	0.150	0.227	—
	FR1 n66	40M	QPSK	1	1	DFT-15	Right Tilted	0mm	Ant 0	DS1 2	349000	1745	1	22.28	24.00	1.486	—	—	0.06	0.083	0.123	—
	FR1 n66	40M	QPSK	108	54	DFT-15	Right Tilted	0mm	Ant 0	DS1 2	349000	1745	1	22.20	24.00	1.514	—	—	0.05	0.075	0.114	—
	FR1 n66	40M	QPSK	1	1	DFT-15	Left Cheek	0mm	Ant 0	DS1 2	349000	1745	1	22.28	24.00	1.486	—	—	-0.06	0.121	0.180	—
	FR1 n66	40M	QPSK	108	54	DFT-15	Left Cheek	0mm	Ant 0	DS1 2	349000	1745	1	22.20	24.00	1.514	—	—	0.05	0.110	0.166	—
	FR1 n66	40M	QPSK	1	1	DFT-15	Left Tilted	0mm	Ant 0	DS1 2	349000	1745	1	22.28	24.00	1.486	—	—	0.02	0.063	0.123	—
	FR1 n66	40M	QPSK	108	54	DFT-15	Left Tilted	0mm	Ant 0	DS1 2	349000	1745	1	22.20	24.00	1.514	—	—	0.06	0.071	0.107	—
	FR1 n66	40M	QPSK	108	54	DFT-15	Right Cheek	0mm	Ant 0	DS1 2	349000	1745	2	22.20	24.00	1.514	—	—	0.03	0.145	0.219	—
	LTE Band 66	20M	QPSK	1	0	—	Right Cheek	0mm	Ant 1	DS1 2	132322	1745	1	17.71	18.80	1.285	—	—	0.02	0.863	1.109	—
	LTE Band 66	20M	QPSK	1	0	—	Right Cheek	0mm	Ant 1	DS1 2	132072	1720	1	17.56	18.80	1.330	—	—	-0.06	0.797	1.060	—
	LTE Band 66	20M	QPSK	1	0	—	Right Cheek	0mm	Ant 1	DS1 2	132572	1770	1	17.66	18.80	1.300	—	—	-0.01	0.868	1.129	—
	LTE Band 66	20M	QPSK	50	0	—	Right Cheek	0mm	Ant 1	DS1 2	132322	1745	1	17.69	18.80	1.291	—	—	-0.01	0.719	0.928	—
	LTE Band 66	20M	QPSK	50	0	—	Right Cheek	0mm	Ant 1	DS1 2	132072	1720	1	17.66	18.80	1.300	—	—	0.02	0.648	0.843	—
	LTE Band 66	20M	QPSK	50	0	—	Right Cheek	0mm	Ant 1	DS1 2	132572	1770	1	17.67	18.80	1.297	—	—	-0.06	0.686	0.890	—
	LTE Band 66	20M	QPSK	100	0	—	Right Cheek	0mm	Ant 1	DS1 2	132322	1745	1	17.68	18.80	1.294	—	—	-0.01	0.706	0.914	—
	LTE Band 66	20M	QPSK	1	0	—	Right Tilted	0mm	Ant 1	DS1 2	132322	1745	1	17.71	18.80	1.285	—	—	-0.02	0.939	1.207	—
	LTE Band 66	20M	QPSK	1	0	—	Right Tilted	0mm	Ant 1	DS1 2	132072	1720	1	17.56	18.80	1.330	—	—	0.03	0.886	1.179	—
	LTE Band 66	20M	QPSK	1	0	—	Right Tilted	0mm	Ant 1	DS1 2	132572	1770	1	17.66	18.80	1.300	—	—	0.06	0.962	1.251	1
Repeated	LTE Band 66	20M	QPSK	1	0	—	Right Tilted	0mm	Ant 1	DS1 2	132572	1770	1	17.66	18.80	1.300	—	—	0.03	0.945	1.229	1.018
	LTE Band 66	20M	QPSK	50	0	—	Right Tilted	0mm	Ant 1	DS1 2	132322	1745	1	17.69	18.80	1.291	—	—	0.02	0.785	1.014	—
	LTE Band 66	20M	QPSK	50	0	—	Right Tilted	0mm	Ant 1	DS1 2	132072	1720	1	17.66	18.80	1.300	—	—	0.05	0.706	0.918	—
	LTE Band 66	20M	QPSK	50	0	—	Right Tilted	0mm	Ant 1	DS1 2	132572	1770	1	17.67	18.80	1.297	—	—	0.07	0.762	0.988	—
	LTE Band 66	20M	QPSK	100	0	—	Right Tilted	0mm	Ant 1	DS1 2	132322	1745	1	17.68	18.80	1.294	—	—	-0.03	0.780	1.009	—
	LTE Band 66	20M	QPSK	1	0	—	Left Cheek	0mm	Ant 1	DS1 2	132322	1745	1	17.71	18.80	1.285	—	—	-0.06	0.334	0.429	—
	LTE Band 66	20M	QPSK	50	0	—	Left Cheek	0mm	Ant 1	DS1 2	132322	1745	1	17.69	18.80	1.291	—	—	-0.06	0.273	0.353	—
	LTE Band 66	20M	QPSK	1	0	—	Left Tilted	0mm	Ant 1	DS1 2	132322	1745	1	17.71	18.80	1.285	—	—	0.05	0.390	0.501	—
	LTE Band 66	20M	QPSK	50	0	—	Left Tilted	0mm	Ant 1	DS1 2	132322	1745	1	17.69	18.80	1.291	—	—	0.02	0.319	0.412	—
Simultaneous	LTE Band 66	20M	QPSK	1	0	—	Right Tilted	0mm	Ant 1	DS1 2	132572	1770	1	16.30	17.50	1.318	—	—	0.1	0.772	1.018	—
	LTE Band 66	20M	QPSK	1	0	—	Right Tilted	0mm	Ant 1	DS1 2	132572	1770	2	17.66	18.80	1.300	—	—	0.02	0.829	1.078	—
	FR1 n66	40M	QPSK	1	1	DFT-15	Right Cheek	0mm	Ant 1	DS1 2	349000	1745	1	17.78	18.80	1.265	—	—	0.01	0.888	1.123	—
	FR1 n66	40M	QPSK	1	1	DFT-15	Right Cheek	0mm	Ant 1	DS1 2	346000	1730	1	17.60	18.80	1.318	—	—	0.04	0.827	1.090	—
	FR1 n66	40M	QPSK	1	1	DFT-15	Right Cheek	0mm	Ant 1	DS1 2	352000	1760	1	17.71	18.80	1.285	—	—	0.02	0.921	1.184	—
	FR1 n66	40M	QPSK	108	54	DFT-15	Right Cheek	0mm	Ant 1	DS1 2	349000	1745	1	17.65	18.80	1.303	—	—	0.05	0.921	1.200	—
	FR1 n66	40M	QPSK	108	54	DFT-15	Right Cheek	0mm	Ant 1	DS1 2	346000	1730	1	17.62	18.80	1.312	—	—	0.07	0.930	1.220	—
	FR1 n66	40M	QPSK	108	54	DFT-15	Right Cheek	0mm	Ant 1	DS1 2	352000	1760	1	17.57	18.80	1.327	—	—	-0.03	0.910	1.208	—
	FR1 n66	40M	QPSK	216	0	DFT-15	Right Cheek	0mm	Ant 1	DS1 2	349000	1745	1	17.70	18.80	1.288	—	—	-0.06	0.753	0.970	—
	FR1 n66	40M	QPSK	1	1	DFT-15	Right Tilted	0mm	Ant 1	DS1 2	349000	1745	1	17.78	18.80	1.265	—	—	-0.01	0.916	1.158	—
	FR1 n66	40M	QPSK	1	1	DFT-15	Right Tilted	0mm	Ant 1	DS1 2	346000	1730	1	17.60	18.80	1.318	—	—	0.02	0.813	1.072	—
	FR1 n66	40M	QPSK	1	1	DFT-15	Right Tilted	0mm	Ant 1	DS1 2	352000	1760	1	17.71	18.80	1.285	—	—	-0.06	0.954	1.226	—
	FR1 n66	40M	QPSK	108	54	DFT-15	Right Tilted	0mm	Ant 1	DS1 2	349000	1745	1	17.65	18.80	1.303	—	—	0.02	0.860	1.050	—
	FR1 n66	40M	QPSK	108	54	DFT-15	Right Tilted	0mm	Ant 1	DS1 2	346000	1730	1	17.62	18.80	1.312	—	—	-0.05	0.912	1.187	—
	FR1 n66	40M	QPSK	108	54	DFT-15	Right Tilted	0mm	Ant 1	DS1 2	352000	1760	1	17.57	18.80	1.327	—	—	-0.06	0.909	1.207	—
	FR1 n66	40M	QPSK	216	0	DFT-15	Right Tilted	0mm	Ant 1	DS1 2												



# 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)	Sample	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	
<b>2600MHz</b>																							
UL CA	LTE Band 7	20M	QPSK	1	0	---	Right Cheek	0mm	Ant 0	DSI 2	21100	2535	1	22.97	24.00	1.268			0.01	0.244	0.309	---	
	LTE Band 7	20M	QPSK	1	99	---	Right Cheek	0mm	Ant 0	DSI 2	21100+21298	2535+2554.8	1	22.41	24.00	1.442			0.03	0.199	0.287	---	
	LTE Band 7	20M	QPSK	50	0	---	Right Cheek	0mm	Ant 0	DSI 2	21100	2535	1	21.94	23.00	1.276			-0.06	0.195	0.249	---	
	LTE Band 7	20M	QPSK	1	0	---	Right Tilted	0mm	Ant 0	DSI 2	21100	2535	1	22.97	24.00	1.268			-0.05	0.078	0.099	---	
	LTE Band 7	20M	QPSK	50	0	---	Right Tilted	0mm	Ant 0	DSI 2	21100	2535	1	21.94	23.00	1.276			0.05	0.065	0.083	---	
	LTE Band 7	20M	QPSK	1	0	---	Left Cheek	0mm	Ant 0	DSI 2	21100	2535	1	22.97	24.00	1.268			0.02	0.158	0.200	---	
	LTE Band 7	20M	QPSK	50	0	---	Left Cheek	0mm	Ant 0	DSI 2	21100	2535	1	21.94	23.00	1.276			0.05	0.123	0.157	---	
	LTE Band 7	20M	QPSK	1	0	---	Left Tilted	0mm	Ant 0	DSI 2	21100	2535	1	22.97	24.00	1.268			-0.02	0.129	0.164	---	
	LTE Band 7	20M	QPSK	50	0	---	Left Tilted	0mm	Ant 0	DSI 2	21100	2535	1	21.94	23.00	1.276			-0.06	0.100	0.128	---	
	LTE Band 7	20M	QPSK	1	0	---	Right Cheek	0mm	Ant 0	DSI 2	21100	2535	2	22.97	24.00	1.268			0.06	0.166	0.210	---	
	LTE Band 41	20M	QPSK	1	0	---	Right Cheek	0mm	Ant 0	DSI 2	40620	2593	1	23.05	24.00	1.245	62.9	1.006	0.08	0.106	0.133	---	
LTE Band 41	20M	QPSK	50	0	---	Right Cheek	0mm	Ant 0	DSI 2	40620	2593	1	22.15	23.00	1.216	62.9	1.006	-0.06	0.096	0.117	---		
LTE Band 41	20M	QPSK	1	0	---	Right Tilted	0mm	Ant 0	DSI 2	40620	2593	1	23.05	24.00	1.245	62.9	1.006	0.05	0.043	0.054	---		
LTE Band 41	20M	QPSK	50	0	---	Right Tilted	0mm	Ant 0	DSI 2	40620	2593	1	22.15	23.00	1.216	62.9	1.006	0.02	0.030	0.037	---		
LTE Band 41	20M	QPSK	1	0	---	Left Cheek	0mm	Ant 0	DSI 2	40620	2593	1	23.05	24.00	1.245	62.9	1.006	0.06	0.076	0.095	---		
LTE Band 41	20M	QPSK	50	0	---	Left Cheek	0mm	Ant 0	DSI 2	40620	2593	1	22.15	23.00	1.216	62.9	1.006	-0.02	0.054	0.066	---		
LTE Band 41	20M	QPSK	1	0	---	Left Tilted	0mm	Ant 0	DSI 2	40620	2593	1	23.05	24.00	1.245	62.9	1.006	-0.06	0.046	0.058	---		
LTE Band 41	20M	QPSK	50	0	---	Left Tilted	0mm	Ant 0	DSI 2	40620	2593	1	22.15	23.00	1.216	62.9	1.006	-0.06	0.032	0.039	---		
14	LTE Band 41 HPUJ	20M	QPSK	1	0	---	Right Cheek	0mm	Ant 0	DSI 2	40620	2593	1	25.33	27.00	1.489	42.9	1.009	0.02	0.118	<b>0.175</b>	---	
15	FR1 n7	40M	QPSK	1	1	DFT-15	Right Cheek	0mm	Ant 0	DSI 2	507000	2535	1	23.27	24.00	1.183			0.01	0.159	0.188	---	
	FR1 n7	40M	QPSK	108	54	DFT-15	Right Cheek	0mm	Ant 0	DSI 2	507000	2535	1	23.22	24.00	1.197			-0.01	0.168	<b>0.201</b>	---	
	FR1 n7	40M	QPSK	1	1	DFT-15	Right Tilted	0mm	Ant 0	DSI 2	507000	2535	1	23.27	24.00	1.183			-0.05	0.110	0.130	---	
	FR1 n7	40M	QPSK	108	54	DFT-15	Right Tilted	0mm	Ant 0	DSI 2	507000	2535	1	23.22	24.00	1.197			0.05	0.104	0.124	---	
	FR1 n7	40M	QPSK	1	1	DFT-15	Left Cheek	0mm	Ant 0	DSI 2	507000	2535	1	23.27	24.00	1.183			0.02	0.106	0.125	---	
	FR1 n7	40M	QPSK	108	54	DFT-15	Left Cheek	0mm	Ant 0	DSI 2	507000	2535	1	23.22	24.00	1.197			-0.06	0.112	0.134	---	
	FR1 n7	40M	QPSK	1	1	DFT-15	Left Tilted	0mm	Ant 0	DSI 2	507000	2535	1	23.27	24.00	1.183			0.06	0.072	0.085	---	
	FR1 n7	40M	QPSK	108	54	DFT-15	Left Tilted	0mm	Ant 0	DSI 2	507000	2535	1	23.22	24.00	1.197			-0.05	0.066	0.079	---	
	FR1 n38	40M	QPSK	1	1	DFT-30	Right Cheek	0mm	Ant 0	DSI 2	519000	2595	1	23.25	24.00	1.189			-0.04	0.137	<b>0.163</b>	---	
	FR1 n38	40M	QPSK	50	28	DFT-30	Right Cheek	0mm	Ant 0	DSI 2	519000	2595	1	23.12	24.00	1.225			0.06	0.127	0.156	---	
FR1 n38	40M	QPSK	1	1	DFT-30	Right Tilted	0mm	Ant 0	DSI 2	519000	2595	1	23.25	24.00	1.189			-0.05	0.078	0.093	---		
FR1 n38	40M	QPSK	50	28	DFT-30	Right Tilted	0mm	Ant 0	DSI 2	519000	2595	1	23.12	24.00	1.225			0.05	0.068	0.083	---		
FR1 n38	40M	QPSK	1	1	DFT-30	Left Cheek	0mm	Ant 0	DSI 2	519000	2595	1	23.25	24.00	1.189			0.02	0.088	0.105	---		
FR1 n38	40M	QPSK	50	28	DFT-30	Left Cheek	0mm	Ant 0	DSI 2	519000	2595	1	23.12	24.00	1.225			-0.06	0.094	0.115	---		
FR1 n38	40M	QPSK	1	1	DFT-30	Left Tilted	0mm	Ant 0	DSI 2	519000	2595	1	23.25	24.00	1.189			0.06	0.053	0.063	---		
FR1 n38	40M	QPSK	50	28	DFT-30	Left Tilted	0mm	Ant 0	DSI 2	519000	2595	1	23.12	24.00	1.225			0.01	0.056	0.069	---		
17	LTE Band 7	20M	QPSK	1	0	---	Right Cheek	0mm	Ant 1	DSI 2	21100	2535	1	17.81	18.70	1.227			0.02	0.694	0.852	---	
	LTE Band 7	20M	QPSK	1	0	---	Right Cheek	0mm	Ant 1	DSI 2	20850	2510	1	17.63	18.70	1.279			-0.05	0.735	0.940	---	
	LTE Band 7	20M	QPSK	1	0	---	Right Cheek	0mm	Ant 1	DSI 2	21350	2560	1	17.70	18.70	1.259			0.05	0.781	0.983	---	
	LTE Band 7	20M	QPSK	50	0	---	Right Cheek	0mm	Ant 1	DSI 2	21100	2535	1	17.74	18.70	1.247			0.02	0.580	0.723	---	
	LTE Band 7	20M	QPSK	100	0	---	Right Cheek	0mm	Ant 1	DSI 2	21100	2535	1	17.68	18.70	1.265			0.05	0.594	0.751	---	
	LTE Band 7	20M	QPSK	1	0	---	Right Tilted	0mm	Ant 1	DSI 2	21100	2535	1	17.81	18.70	1.227			0.02	0.900	1.105	---	
	LTE Band 7	20M	QPSK	1	0	---	Right Tilted	0mm	Ant 1	DSI 2	20850	2510	1	17.63	18.70	1.279			0.03	0.922	1.180	---	
	LTE Band 7	20M	QPSK	1	0	---	Right Tilted	0mm	Ant 1	DSI 2	21350	2560	1	17.70	18.70	1.259			0.06	0.998	<b>1.256</b>	1	
	Repeated	LTE Band 7	20M	QPSK	1	0	---	Right Tilted	0mm	Ant 1	DSI 2	21350	2560	1	17.70	18.70	1.259			0.03	0.974	1.226	1.025
	LTE Band 7	20M	QPSK	50	0	---	Right Tilted	0mm	Ant 1	DSI 2	21100	2535	1	17.74	18.70	1.247			0.06	0.852	1.063	---	
	LTE Band 7	20M	QPSK	50	0	---	Right Tilted	0mm	Ant 1	DSI 2	20850	2510	1	17.57	18.70	1.297			0.02	0.881	1.143	---	
	LTE Band 7	20M	QPSK	50	0	---	Right Tilted	0mm	Ant 1	DSI 2	21350	2560	1	17.67	18.70	1.268			-0.05	0.897	1.137	---	
	LTE Band 7	20M	QPSK	100	0	---	Right Tilted	0mm	Ant 1	DSI 2	21100	2535	1	17.68	18.70	1.265			0.05	0.846	1.070	---	
	LTE Band 7	20M	QPSK	1	0	---	Left Cheek	0mm	Ant 1	DSI 2	21100	2535	1	17.81	18.70	1.227			0.02	0.702	0.862	---	
	LTE Band 7	20M	QPSK	1	0	---	Left Cheek	0mm	Ant 1	DSI 2	20850	2510	1	17.63	18.70	1.279			-0.06	0.629	0.805	---	
	LTE Band 7	20M	QPSK	1	0	---	Left Cheek	0mm	Ant 1	DSI 2	21350	2560	1	17.70	18.70	1.259			0.06	0.667	0.840	---	
LTE Band 7	20M	QPSK	50	0	---	Left Cheek	0mm	Ant 1	DSI 2	21100	2535	1	17.74	18.70	1.247			-0.05	0.631	0.787	---		
LTE Band 7	20M	QPSK	100	0	---	Left Cheek	0mm	Ant 1	DSI 2	21100	2535	1	17.68	18.70	1.265			-0.05	0.545	0.689	---		
LTE Band 7	20M	QPSK	1	0	---	Left Tilted	0mm	Ant 1	DSI 2	21100	2535	1	17.81	18.70	1.227			0.05	0.754	0.925	---		
LTE Band 7	20M	QPSK	1	0	---	Left Tilted	0mm	Ant 1	DSI 2	20850	2510	1	17.63	18.70	1.279			0.02	0.740	0.947	---		
LTE Band 7	20M	QPSK	1	0	---	Left Tilted	0mm	Ant 1	DSI 2	21350	2560	1	17.70	18.70	1.259			-0.06	0.778	0.979	---		
LTE Band 7	20M	QPSK	50	0	---	Left Tilted	0mm	Ant 1	DSI 2	21100	2535	1	17.74	18.70	1.247			0.06	0.635	0.792	---		
LTE Band 7	20M	QPSK	100	0	---	Left Tilted	0mm	Ant 1	DSI 2	21100	2535	1	17.68	18.70	1.265			0.03	0.611	0.773	---		
Simultaneous	LTE Band 7	20M	QPSK																				



# 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)	Sample	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
3500MHz																						
19	LTE Band 42	20M	QPSK	1	0	---	Right Cheek	0mm	Ant 4	DS12	42590	3500	1	15.68	16.50	1.208	62.9	1.006	0.02	0.251	0.305	---
	LTE Band 42	20M	QPSK	50	0	---	Right Cheek	0mm	Ant 4	DS12	42590	3500	1	15.63	16.50	1.222	62.9	1.006	0.02	0.201	0.247	---
	LTE Band 42	20M	QPSK	1	0	---	Right Tilted	0mm	Ant 4	DS12	42590	3500	1	15.68	16.50	1.208	62.9	1.006	-0.06	0.253	0.307	---
	LTE Band 42	20M	QPSK	50	0	---	Right Tilted	0mm	Ant 4	DS12	42590	3500	1	15.63	16.50	1.222	62.9	1.006	0.05	0.204	0.251	---
Repeated	LTE Band 42	20M	QPSK	1	0	---	Left Cheek	0mm	Ant 4	DS12	42590	3500	1	15.68	16.50	1.208	62.9	1.006	0.02	1.040	1.264	1
	LTE Band 42	20M	QPSK	1	0	---	Left Cheek	0mm	Ant 4	DS12	42590	3500	1	15.68	16.50	1.208	62.9	1.006	0.05	0.996	1.210	1.044
	LTE Band 42	20M	QPSK	1	0	---	Left Cheek	0mm	Ant 4	DS12	42190	3460	1	15.61	16.50	1.227	62.9	1.006	0.03	0.963	1.189	---
	LTE Band 42	20M	QPSK	1	0	---	Left Cheek	0mm	Ant 4	DS12	42990	3540	1	15.57	16.50	1.239	62.9	1.006	-0.05	0.866	1.079	---
	LTE Band 42	20M	QPSK	50	0	---	Left Cheek	0mm	Ant 4	DS12	42590	3500	1	15.63	16.50	1.222	62.9	1.006	0.05	0.853	1.048	---
	LTE Band 42	20M	QPSK	50	0	---	Left Cheek	0mm	Ant 4	DS12	42190	3460	1	15.58	16.50	1.236	62.9	1.006	0.03	0.812	1.010	---
	LTE Band 42	20M	QPSK	50	0	---	Left Cheek	0mm	Ant 4	DS12	42990	3540	1	15.43	16.50	1.279	62.9	1.006	-0.05	0.825	1.062	---
	LTE Band 42	20M	QPSK	100	0	---	Left Cheek	0mm	Ant 4	DS12	42590	3500	1	15.59	16.50	1.233	62.9	1.006	0.05	0.701	0.870	---
	LTE Band 42	20M	QPSK	1	0	---	Left Tilted	0mm	Ant 4	DS12	42590	3500	1	15.68	16.50	1.208	62.9	1.006	0.02	0.468	0.593	---
	LTE Band 42	20M	QPSK	50	0	---	Left Tilted	0mm	Ant 4	DS12	42590	3500	1	15.63	16.50	1.222	62.9	1.006	-0.05	0.304	0.484	---
Simultaneous	LTE Band 42	20M	QPSK	1	0	---	Left Cheek	0mm	Ant 4	DS12	42590	3500	1	14.38	15.20	1.208	62.9	1.006	0.06	0.639	0.776	---
	LTE Band 42	20M	QPSK	1	0	---	Left Cheek	0mm	Ant 4	DS12	42590	3500	2	15.68	16.50	1.208	62.9	1.006	0.09	0.555	0.674	---
FR1 n78 Part27Q HPUe																						
	FR1 n78 Part27Q HPUe	100M	QPSK	1	1	DFT-30	Right Cheek	0mm	Ant 4	DS12	63334	3500.01	1	14.23	15.30	1.279			0.02	0.615	0.787	---
	FR1 n78 Part27Q HPUe	100M	QPSK	135	69	DFT-30	Right Cheek	0mm	Ant 4	DS12	63334	3500.01	1	14.11	15.30	1.315			0.07	0.592	0.779	---
	FR1 n78 Part27Q HPUe	100M	QPSK	1	1	DFT-30	Right Tilted	0mm	Ant 4	DS12	63334	3500.01	1	14.23	15.30	1.279			0.05	0.622	0.796	---
	FR1 n78 Part27Q HPUe	100M	QPSK	135	69	DFT-30	Right Tilted	0mm	Ant 4	DS12	63334	3500.01	1	14.11	15.30	1.315			0.02	0.608	0.800	---
	FR1 n78 Part27Q HPUe	100M	QPSK	270	0	DFT-30	Right Tilted	0mm	Ant 4	DS12	63334	3500.01	1	14.03	15.30	1.340			-0.06	0.596	0.798	---
	FR1 n78 Part27Q HPUe	100M	QPSK	1	1	DFT-30	Left Cheek	0mm	Ant 4	DS12	63334	3500.01	1	14.23	15.30	1.279			0.06	0.853	1.091	---
	FR1 n78 Part27Q HPUe	100M	QPSK	135	69	DFT-30	Left Cheek	0mm	Ant 4	DS12	63334	3500.01	1	14.11	15.30	1.315			-0.05	0.955	1.256	---
	FR1 n78 Part27Q HPUe	100M	QPSK	270	0	DFT-30	Left Cheek	0mm	Ant 4	DS12	63334	3500.01	1	14.03	15.30	1.340			0.05	0.894	1.198	---
	FR1 n78 Part27Q HPUe	100M	QPSK	1	1	DFT-30	Left Tilted	0mm	Ant 4	DS12	63334	3500.01	1	14.23	15.30	1.279			0.02	0.871	1.114	---
	FR1 n78 Part27Q HPUe	100M	QPSK	135	69	DFT-30	Left Tilted	0mm	Ant 4	DS12	63334	3500.01	1	14.11	15.30	1.315			-0.06	0.829	1.090	---
	FR1 n78 Part27Q HPUe	100M	QPSK	270	0	DFT-30	Left Tilted	0mm	Ant 4	DS12	63334	3500.01	1	14.03	15.30	1.340			0.06	0.820	1.099	---
Simultaneous	FR1 n78 Part27Q HPUe	100M	QPSK	135	69	DFT-30	Left Cheek	0mm	Ant 4	DS12	63334	3500.01	1	12.81	14.00	1.315			0.05	0.712	0.936	---
SRS																						
	FR1 n78 Part27Q HPUe	100M	QPSK	1	1	DFT-30	Right Cheek	0mm	Ant 2	DS12	63334	3500.01	1	12.39	13.30	1.233			0.01	0.609	0.751	---
	FR1 n78 Part27Q HPUe	100M	QPSK	135	69	DFT-30	Right Cheek	0mm	Ant 2	DS12	63334	3500.01	1	12.35	13.30	1.245			0.03	0.595	0.740	---
	FR1 n78 Part27Q HPUe	100M	QPSK	1	1	DFT-30	Right Tilted	0mm	Ant 2	DS12	63334	3500.01	1	12.39	13.30	1.233			0.05	0.220	0.271	---
	FR1 n78 Part27Q HPUe	100M	QPSK	135	69	DFT-30	Right Tilted	0mm	Ant 2	DS12	63334	3500.01	1	12.35	13.30	1.245			0.02	0.224	0.279	---
	FR1 n78 Part27Q HPUe	100M	QPSK	1	1	DFT-30	Left Cheek	0mm	Ant 2	DS12	63334	3500.01	1	12.39	13.30	1.233			0.06	0.128	0.158	---
	FR1 n78 Part27Q HPUe	100M	QPSK	135	69	DFT-30	Left Cheek	0mm	Ant 2	DS12	63334	3500.01	1	12.35	13.30	1.245			0.03	0.130	0.162	---
	FR1 n78 Part27Q HPUe	100M	QPSK	1	1	DFT-30	Left Tilted	0mm	Ant 2	DS12	63334	3500.01	1	12.39	13.30	1.233			0.05	0.100	0.123	---
	FR1 n78 Part27Q HPUe	100M	QPSK	135	69	DFT-30	Left Tilted	0mm	Ant 2	DS12	63334	3500.01	1	12.35	13.30	1.245			0.02	0.104	0.129	---
Simultaneous	FR1 n78 Part27Q HPUe	100M	QPSK	1	1	DFT-30	Right Cheek	0mm	Ant 2	DS12	63334	3500.01	1	10.97	12.00	1.268			0.06	0.459	0.582	---
	FR1 n78 Part27Q HPUe	100M	QPSK	1	1	DFT-30	Right Cheek	0mm	Ant 2	DS12	63334	3500.01	2	12.39	13.30	1.233			0.03	0.554	0.683	---
SRS																						
	FR1 n78 Part27Q HPUe	100M	QPSK	1	1	DFT-30	Right Cheek	0mm	Ant 7	DS12	63334	3500.01	1	22.75	24.00	1.334			-0.05	0.132	0.176	---
	FR1 n78 Part27Q HPUe	100M	QPSK	135	69	DFT-30	Right Cheek	0mm	Ant 7	DS12	63334	3500.01	1	22.57	24.00	1.390			0.05	0.141	0.196	---
	FR1 n78 Part27Q HPUe	100M	QPSK	1	1	DFT-30	Right Tilted	0mm	Ant 7	DS12	63334	3500.01	1	22.75	24.00	1.334			0.02	0.176	0.235	---
	FR1 n78 Part27Q HPUe	100M	QPSK	135	69	DFT-30	Right Tilted	0mm	Ant 7	DS12	63334	3500.01	1	22.57	24.00	1.390			-0.06	0.142	0.197	---
	FR1 n78 Part27Q HPUe	100M	QPSK	1	1	DFT-30	Left Cheek	0mm	Ant 7	DS12	63334	3500.01	1	22.75	24.00	1.334			0.06	0.198	0.264	---
	FR1 n78 Part27Q HPUe	100M	QPSK	135	69	DFT-30	Left Cheek	0mm	Ant 7	DS12	63334	3500.01	1	22.57	24.00	1.390			0.01	0.226	0.314	---
	FR1 n78 Part27Q HPUe	100M	QPSK	1	1	DFT-30	Left Tilted	0mm	Ant 7	DS12	63334	3500.01	1	22.75	24.00	1.334			0.02	0.105	0.140	---
	FR1 n78 Part27Q HPUe	100M	QPSK	135	69	DFT-30	Left Tilted	0mm	Ant 7	DS12	63334	3500.01	1	22.57	24.00	1.390			0.03	0.092	0.128	---
	FR1 n78 Part27Q HPUe	100M	QPSK	135	69	DFT-30	Left Cheek	0mm	Ant 7	DS12	63334	3500.01	2	22.57	24.00	1.390			0.06	0.145	0.202	---
SRS																						
	FR1 n78 Part27Q HPUe	100M	QPSK	1	1	DFT-30	Right Cheek	0mm	Ant 8	DS12	63334	3500.01	1	20.03	21.20	1.309			0.06	0.733	0.960	---
	FR1 n78 Part27Q HPUe	100M	QPSK	135	69	DFT-30	Right Cheek	0mm	Ant 8	DS12	63334	3500.01	1	19.97	21.20	1.327			0.01	0.864	1.147	---
	FR1 n78 Part27Q HPUe	100M	QPSK	270	0	DFT-30	Right Cheek	0mm	Ant 8	DS12	63334	3500.01	1	19.95	21.20	1.334			0.04	0.787	1.049	---
	FR1 n78 Part27Q HPUe	100M	QPSK	1	1	DFT-30	Right Tilted	0mm	Ant 8	DS12	63334	3500.01	1	20.03	21.20	1.309			-0.02	0.801	1.049	---
	FR1 n78 Part27Q HPUe	100M	QPSK	135	69	DFT-30	Right Tilted	0mm	Ant 8	DS12	63334	3500.01	1	19.97	21.20	1.327			0.09	0.946	1.256	---
	FR1 n78 Part27Q HPUe	100M	QPSK	270	0	DFT-30	Right Tilted	0mm	Ant 8	DS12	63334	3500.01	1	19.95	21.20	1.334			-0.05	0.921	1.228	---
	FR1 n78 Part27Q HPUe	100M	QPSK	1	1	DFT-30	Left Cheek	0mm	Ant 8	DS12	63334	3500.01	1	20.03	21.20	1.309			0.05			



# SAR Test Record

SPORTEL A.S.

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)	Sample	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		
<b>750MHz</b>																									
26	LTE Band 12	10M	QPSK	1	0	—	Front	5mm	Ant 1		DSI 3	23095	707.5	1	24.61	25.00	1.094			0.01	0.180	0.197	—		
	LTE Band 12	10M	QPSK	25	0	—	Front	5mm	Ant 1		DSI 3	23095	707.5	1	23.65	24.00	1.084			0.05	0.182	0.197	—		
	LTE Band 12	10M	QPSK	1	0	—	Back	5mm	Ant 1		DSI 3	23095	707.5	1	24.61	25.00	1.094			0.02	0.436	<b>0.477</b>	—		
	LTE Band 12	10M	QPSK	25	0	—	Back	5mm	Ant 1		DSI 3	23095	707.5	1	23.65	24.00	1.084			0.06	0.414	0.449	—		
	LTE Band 12	10M	QPSK	1	0	—	Back	5mm	Ant 1		DSI 3	23095	707.5	2	24.61	25.00	1.094			0.03	0.428	0.468	—		
	LTE Band 13	10M	QPSK	1	0	—	Front	5mm	Ant 0			DSI 3	23230	782	1	24.31	25.00	1.172			0.02	0.705	0.826	—	
27	LTE Band 13	10M	QPSK	25	0	—	Front	5mm	Ant 0			DSI 3	23230	782	1	23.33	24.00	1.167			-0.06	0.613	0.715	—	
	LTE Band 13	10M	QPSK	50	0	—	Front	5mm	Ant 0			DSI 3	23230	782	1	23.24	24.00	1.191			0.03	0.608	0.724	—	
	LTE Band 13	10M	QPSK	1	0	—	Back	5mm	Ant 0			DSI 3	23230	782	1	24.31	25.00	1.172			-0.03	0.967	<b>1.134</b>	1	
	Repeated	LTE Band 13	10M	QPSK	1	0	—	Back	5mm	Ant 0			DSI 3	23230	782	1	24.31	25.00	1.172			0.02	0.942	1.104	1.027
	LTE Band 13	10M	QPSK	25	0	—	Back	5mm	Ant 0			DSI 3	23230	782	1	23.33	24.00	1.167			-0.01	0.865	1.009	—	
	LTE Band 13	10M	QPSK	50	0	—	Back	5mm	Ant 0			DSI 3	23230	782	1	23.24	24.00	1.191			0.06	0.815	0.971	—	
Simultaneous	LTE Band 13	10M	QPSK	1	0	—	Back	5mm	Ant 0			DSI 3	23230	782	1	22.94	24.10	1.306			-0.03	0.739	0.965	—	
	LTE Band 13	10M	QPSK	1	0	—	Back	5mm	Ant 0			DSI 3	23230	782	2	24.31	25.00	1.172			0.03	0.590	0.692	—	
<b>835MHz</b>																									
Simultaneous	GSM850	—	—	—	—	GPRS (3 Tx slots)	Front	5mm	Ant 0			DSI 3	189	836.4	1	28.76	29.70	1.242			0.03	0.526	0.653	—	
	GSM850	—	—	—	—	GPRS (3 Tx slots)	Back	5mm	Ant 0			DSI 3	189	836.4	1	28.76	29.70	1.242			0.05	0.820	1.018	—	
	GSM850	—	—	—	—	GPRS (3 Tx slots)	Back	5mm	Ant 0			DSI 3	128	824.2	1	28.51	29.70	1.315			0.01	0.875	1.151	—	
	GSM850	—	—	—	—	GPRS (3 Tx slots)	Back	5mm	Ant 0			DSI 3	251	848.8	1	28.72	29.70	1.253			0.05	0.800	1.003	—	
	GSM850	—	—	—	—	GPRS (3 Tx slots)	Back	5mm	Ant 0			DSI 3	128	824.2	1	27.14	28.40	1.337			0.01	0.870	0.896	—	
	GSM850	—	—	—	—	GPRS (3 Tx slots)	Front	17mm	Ant 0			DSI 4	128	824.2	1	29.71	30.90	1.315			0.03	0.283	0.372	—	
WCDMA V	WCDMA V	—	—	—	—	RMC 12.2Kbps	Front	5mm	Ant 0			DSI 3	4182	836.4	1	23.02	23.50	1.117			0.02	0.853	0.729	—	
	WCDMA V	—	—	—	—	RMC 12.2Kbps	Back	5mm	Ant 0			DSI 3	4182	836.4	1	23.02	23.50	1.117			-0.01	1.090	1.217	1	
	Repeated	WCDMA V	—	—	—	RMC 12.2Kbps	Back	5mm	Ant 0			DSI 3	4182	836.4	1	23.02	23.50	1.117			0.04	0.998	1.115	1.092	
	WCDMA V	—	—	—	—	RMC 12.2Kbps	Back	5mm	Ant 0			DSI 3	4132	826.4	1	23.01	23.50	1.119			0.05	1.062	1.189	—	
	WCDMA V	—	—	—	—	RMC 12.2Kbps	Back	5mm	Ant 0			DSI 3	4233	846.6	1	22.99	23.50	1.125			0.02	0.926	1.041	—	
	WCDMA V	—	—	—	—	RMC 12.2Kbps	Back	5mm	Ant 0	Headset		DSI 3	4182	836.4	1	23.02	23.50	1.117			0.06	0.538	0.601	—	
Simultaneous	WCDMA V	—	—	—	—	RMC 12.2Kbps	Back	5mm	Ant 0			DSI 3	4182	836.4	1	21.64	22.20	1.138			0.05	0.728	0.828	—	
	WCDMA V	—	—	—	—	RMC 12.2Kbps	Front	17mm	Ant 0			DSI 4	4182	836.4	1	23.72	24.00	1.067			0.03	0.207	0.221	—	
	WCDMA V	—	—	—	—	RMC 12.2Kbps	Back	23mm	Ant 0			DSI 4	4182	836.4	1	23.72	24.00	1.067			0.01	0.199	0.212	—	
	WCDMA V	—	—	—	—	RMC 12.2Kbps	Back	5mm	Ant 0			DSI 3	4182	836.4	2	23.02	23.50	1.117			0.03	0.390	0.436	—	
	FR1 n5	20M	QPSK	1	1	DFT-15	Front	5mm	Ant 1			DSI 3	167300	836.5	1	22.15	23.50	1.365			0.02	0.544	0.742	—	
	FR1 n5	20M	QPSK	50	28	DFT-15	Front	5mm	Ant 1			DSI 3	167300	836.5	1	22.08	23.50	1.393			-0.01	0.503	0.701	—	
28	FR1 n5	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 1			DSI 3	167300	836.5	1	22.15	23.50	1.365			0.05	0.915	<b>1.240</b>	—	
	FR1 n5	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 1			DSI 3	168800	834	1	22.09	23.50	1.384			0.06	0.867	1.230	—	
	FR1 n5	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 1			DSI 3	167800	839	1	22.13	23.50	1.371			0.01	0.897	1.230	—	
	FR1 n5	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 1			DSI 3	167300	836.5	1	22.08	23.50	1.393			0.02	0.881	1.227	—	
	FR1 n5	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 1			DSI 3	168800	834	1	21.94	23.50	1.432			0.03	0.832	1.192	—	
	FR1 n5	20M	QPSK	50	28	DFT-15	Back	5mm	Ant 1			DSI 3	167800	839	1	22.04	23.50	1.400			0.09	0.820	1.148	—	
Simultaneous	FR1 n5	20M	QPSK	100	0	DFT-15	Back	5mm	Ant 1			DSI 3	167300	836.5	1	21.57	23.00	1.390			0.06	0.852	1.184	—	
	FR1 n5	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 1	Headset		DSI 3	167300	836.5	1	22.15	23.50	1.365			0.05	0.598	0.816	—	
	FR1 n5	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 1			DSI 3	167300	836.5	1	21.22	22.20	1.253			0.02	0.878	0.850	—	
	FR1 n5	20M	QPSK	1	1	DFT-15	Front	17mm	Ant 1			DSI 4	167300	836.5	1	22.58	24.00	1.387			0.06	0.16	0.222	—	
	FR1 n5	20M	QPSK	1	1	DFT-15	Back	23mm	Ant 1			DSI 4	167300	836.5	1	22.58	24.00	1.387			0.01	0.146	0.202	—	
	FR1 n5	20M	QPSK	1	1	DFT-15	Back	5mm	Ant 1			DSI 3	167300	836.5	1	22.15	23.50	1.365			0.02	0.881	1.227	—	
29	GSM850	—	—	—	—	GPRS (3 Tx slots)	Front	5mm	Ant 1			DSI 3	189	836.4	1	27.87	29.00	1.297			0.03	0.553	0.717	—	
	GSM850	—	—	—	—	GPRS (3 Tx slots)	Back	5mm	Ant 1			DSI 3	189	836.4	1	27.87	29.00	1.297			0.01	0.949	<b>1.231</b>	—	
	GSM850	—	—	—	—	GPRS (3 Tx slots)	Back	5mm	Ant 1			DSI 3	128	824.2	1	27.75	29.00	1.334			0.05	0.783	1.044	—	
	GSM850	—	—	—	—	GPRS (3 Tx slots)	Back	5mm	Ant 1			DSI 3	251	848.8	1	27.73	29.00	1.340			0.02	0.735	0.985	—	
	GSM850	—	—	—	—	GPRS (3 Tx slots)	Back	5mm	Ant 1	Headset		DSI 3	189	836.4	1	27.87	29.00	1.297			0.03	0.923	1.197	—	
	Simultaneous	GSM850	—	—	—	—	GPRS (3 Tx slots)	Back	5mm	Ant 1			DSI 3	189	836.4	1	26.86	27.70	1.213			0.01	0.651	0.790	—
30	GSM850	—	—	—	—	GPRS (3 Tx slots)	Front	17mm	Ant 1			DSI 4	189	836.4	1	29.13	30.90	1.503			0.06	0.335	0.504	—	
	GSM850	—	—	—	—	GPRS (3 Tx slots)	Back	23mm	Ant 1			DSI 4	189	836.4	1	29.13	30.90	1.503			0.01	0.291	0.437	—	
	WCDMA V	—	—	—	—	RMC 12.2Kbps	Front	5mm	Ant 1			DSI 3	4182	836.4	1	21.75	23.40	1.462			0.02	0.415	0.607	—	
	WCDMA V	—	—	—	—	RMC 12.2Kbps	Back	5mm	Ant 1			DSI 3	4182	836.4	1	21.75	23.40	1.462			0.02	0.836	1.222	—	
	WCDMA V	—	—	—	—	RMC 12.2Kbps	Back	5mm	Ant 1			DSI 3	4132	826.4	1	21.72	23.40	1.473			-0.06	0.852	<b>1.254</b>	—	
	WCDMA V	—	—	—	—	RMC 12.2Kbps	Back	5mm	Ant 1	Headset		DSI 3	42												







# 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)	Sample	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	
<b>2600MHz</b>																								
39	UL CA	LTE Band 7	20M	QPSK	1	0	—	Front	5mm	Ant 0		DSI 3	21100	2535	1	17.72	18.80	1.282			0.02	0.549	0.704	—
		LTE Band 7	20M	QPSK	50	0	—	Front	5mm	Ant 0		DSI 3	21100	2535	1	17.64	18.80	1.306			-0.04	0.465	0.607	—
		LTE Band 7	20M	QPSK	1	0	—	Back	5mm	Ant 0		DSI 3	21100	2535	1	17.72	18.80	1.282			-0.03	0.851	1.091	—
		LTE Band 7	20M	QPSK	1	0	—	Back	5mm	Ant 0		DSI 3	20850	2510	1	17.51	18.80	1.346			-0.03	0.935	<b>1.258</b>	—
		LTE Band 7	20M	QPSK	1	99	—	Back	5mm	Ant 0		DSI 3	21100+21298	2535+2554.8	1	17.42	18.80	1.374			0.02	0.896	1.231	—
		LTE Band 7	20M	QPSK	1	0	—	Back	5mm	Ant 0		DSI 3	21350	2560	1	17.66	18.80	1.300			-0.06	0.906	1.178	—
		LTE Band 7	20M	QPSK	50	0	—	Back	5mm	Ant 0		DSI 3	21100	2535	1	17.64	18.80	1.306			-0.03	0.735	0.960	—
		LTE Band 7	20M	QPSK	50	0	—	Back	5mm	Ant 0		DSI 3	20850	2510	1	17.61	18.80	1.315			0.06	0.689	0.906	—
		LTE Band 7	20M	QPSK	50	0	—	Back	5mm	Ant 0		DSI 3	21350	2560	1	17.52	18.80	1.343			0.01	0.706	0.948	—
		LTE Band 7	20M	QPSK	100	0	—	Back	5mm	Ant 0		DSI 3	21100	2535	1	17.50	18.80	1.349			-0.03	0.672	0.907	—
40	Simultaneous	LTE Band 7	20M	QPSK	1	0	—	Back	5mm	Ant 0	Headset	DSI 3	20850	2510	1	17.51	18.80	1.346			-0.06	0.302	0.406	—
		LTE Band 7	20M	QPSK	1	0	—	Back	5mm	Ant 0		DSI 3	20850	2510	1	14.57	15.20	1.156			-0.03	0.556	0.643	—
		LTE Band 7	20M	QPSK	1	0	—	Front	17mm	Ant 0		DSI 4	20850	2510	1	22.75	24.00	1.334			0.03	0.467	0.623	—
		LTE Band 7	20M	QPSK	1	0	—	Back	23mm	Ant 0		DSI 4	20850	2510	1	22.75	24.00	1.334			0.01	0.325	0.433	—
		FR1 n7	40M	QPSK	1	1	DFT-15	Front	5mm	Ant 0		DSI 3	507000	2535	1	18.03	19.10	1.279			0.06	0.482	0.617	—
		FR1 n7	40M	QPSK	108	54	DFT-15	Front	5mm	Ant 0		DSI 3	507000	2535	1	17.94	19.10	1.306			-0.03	0.538	0.703	—
		FR1 n7	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 0		DSI 3	507000	2535	1	18.03	19.10	1.279			-0.06	0.793	1.015	—
		FR1 n7	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 0		DSI 3	504000	2520	1	17.84	19.10	1.337			0.02	0.856	1.144	—
		FR1 n7	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 0		DSI 3	510000	2550	1	17.76	19.10	1.361			-0.02	0.829	1.129	—
		FR1 n7	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 0		DSI 3	507000	2535	1	17.94	19.10	1.306			-0.06	0.948	<b>1.238</b>	—
41	Simultaneous	FR1 n7	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 0		DSI 3	504000	2520	1	17.85	19.10	1.334			-0.03	0.773	1.031	—
		FR1 n7	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 0		DSI 3	510000	2550	1	17.79	19.10	1.352			-0.03	0.721	0.975	—
		FR1 n7	40M	QPSK	216	0	DFT-15	Back	5mm	Ant 0		DSI 3	507000	2535	1	17.90	19.10	1.318			0.03	0.801	1.056	—
		FR1 n7	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 0	Headset	DSI 3	507000	2535	1	17.94	19.10	1.306			-0.03	0.562	0.734	—
		FR1 n7	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 0		DSI 3	507000	2535	1	14.90	16.00	1.288			-0.06	0.453	0.584	—
		FR1 n7	40M	QPSK	108	54	DFT-15	Front	17mm	Ant 0		DSI 4	507000	2535	1	23.22	24.00	1.197			0.02	0.392	0.469	—
		FR1 n7	40M	QPSK	108	54	DFT-15	Back	23mm	Ant 0		DSI 4	507000	2535	1	23.22	24.00	1.197			-0.04	0.255	0.305	—
		LTE Band 41	20M	QPSK	1	0	—	Front	5mm	Ant 0		DSI 3	40620	2593	1	19.60	21.10	1.413	62.9	1.006	-0.03	0.483	0.686	—
		LTE Band 41	20M	QPSK	50	0	—	Front	5mm	Ant 0		DSI 3	40620	2593	1	19.56	21.10	1.426	62.9	1.006	-0.03	0.416	0.597	—
		LTE Band 41	20M	QPSK	1	0	—	Back	5mm	Ant 0		DSI 3	40620	2593	1	19.60	21.10	1.413	62.9	1.006	-0.04	0.898	<b>1.276</b>	—
42	Simultaneous	LTE Band 41	20M	QPSK	1	0	—	Back	5mm	Ant 0		DSI 3	39750	2506	1	19.39	21.10	1.483	62.9	1.006	-0.06	0.843	1.257	—
		LTE Band 41	20M	QPSK	1	0	—	Back	5mm	Ant 0		DSI 3	40185	2549.5	1	19.39	21.10	1.483	62.9	1.006	-0.03	0.788	1.175	—
		LTE Band 41	20M	QPSK	1	0	—	Back	5mm	Ant 0		DSI 3	41055	2636.5	1	19.42	21.10	1.472	62.9	1.006	-0.06	0.749	1.109	—
		LTE Band 41	20M	QPSK	1	0	—	Back	5mm	Ant 0		DSI 3	41490	2680	1	19.41	21.10	1.476	62.9	1.006	0.02	0.762	1.131	—
		LTE Band 41	20M	QPSK	50	0	—	Back	5mm	Ant 0		DSI 3	40620	2593	1	19.56	21.10	1.426	62.9	1.006	-0.06	0.802	1.150	—
		LTE Band 41	20M	QPSK	50	0	—	Back	5mm	Ant 0		DSI 3	39750	2506	1	19.36	21.10	1.493	62.9	1.006	-0.06	0.799	1.200	—
		LTE Band 41	20M	QPSK	50	0	—	Back	5mm	Ant 0		DSI 3	40185	2549.5	1	19.45	21.10	1.462	62.9	1.006	-0.03	0.814	1.197	—
		LTE Band 41	20M	QPSK	50	0	—	Back	5mm	Ant 0		DSI 3	41055	2636.5	1	19.51	21.10	1.442	62.9	1.006	-0.03	0.739	1.072	—
		LTE Band 41	20M	QPSK	50	0	—	Back	5mm	Ant 0		DSI 3	41490	2680	1	19.31	21.10	1.510	62.9	1.006	0.03	0.656	0.997	—
		LTE Band 41	20M	QPSK	100	0	—	Back	5mm	Ant 0		DSI 3	40620	2593	1	19.52	21.10	1.439	62.9	1.006	0.06	0.814	1.178	—
43	Repeated	LTE Band 41	20M	QPSK	1	0	—	Back	5mm	Ant 0	Headset	DSI 3	40620	2593	1	19.60	21.10	1.413	62.9	1.006	0.07	0.533	0.757	—
		LTE Band 41	20M	QPSK	1	0	—	Back	5mm	Ant 0		DSI 3	40620	2593	1	17.11	17.90	1.199	62.9	1.006	-0.02	0.468	0.565	—
		LTE Band 41	20M	QPSK	1	0	—	Front	17mm	Ant 0		DSI 4	40620	2593	1	23.05	24.00	1.245	62.9	1.006	0.03	0.365	0.457	—
		LTE Band 41	20M	QPSK	1	0	—	Back	23mm	Ant 0		DSI 4	40620	2593	1	23.05	24.00	1.245	62.9	1.006	0.02	0.236	0.295	—
		LTE Band 41 HPUE	20M	QPSK	1	0	—	Back	5mm	Ant 0		DSI 3	40620	2593	1	21.27	22.70	1.390	42.9	1.009	-0.06	0.895	1.255	—
		LTE Band 41 HPUE	20M	QPSK	1	0	—	Back	5mm	Ant 0		DSI 3	40620	2593	1	18.33	19.50	1.309	42.9	1.009	0.06	0.578	0.764	—
		FR1 n38	40M	QPSK	1	1	DFT-30	Front	5mm	Ant 0		DSI 3	519000	2595	1	17.54	18.90	1.368			-0.05	0.530	0.725	—
		FR1 n38	40M	QPSK	50	28	DFT-30	Front	5mm	Ant 0		DSI 3	519000	2595	1	17.46	18.90	1.393			-0.06	0.555	0.773	—
		FR1 n38	40M	QPSK	1	1	DFT-30	Back	5mm	Ant 0		DSI 3	519000	2595	1	17.54	18.90	1.368			0.04	0.944	<b>1.231</b>	—
		FR1 n38	40M	QPSK	1	1	DFT-30	Back	5mm	Ant 0		DSI 3	518004	2590.02	1	17.27	18.90	1.455			-0.06	0.835	1.215	—
FR1 n38	40M	QPSK	1	1	DFT-30	Back	5mm	Ant 0		DSI 3	519996	2599.98	1	17.23	18.90	1.469			0.04	0.854	1.254	—		
FR1 n38	40M	QPSK	50	28	DFT-30	Back	5mm	Ant 0		DSI 3	519000	2595	1	17.46	18.90	1.393			0.03	0.850	1.184	—		
FR1 n38	40M	QPSK	50	28	DFT-30	Back	5mm	Ant 0		DSI 3	518004	2590.02	1	17.40	18.90	1.413			0.02	0.722	1.020	—		
FR1 n38	40M	QPSK	50	28	DFT-30	Back	5mm	Ant 0		DSI 3	519996	2599.98	1	17.30	18.90	1.445			-0.06	0.829	1.198	—		
FR1 n38	40M	QPSK	100	0	DFT-30	Back	5mm	Ant 0		DSI 3	519000	2595	1	17.42	18.90	1.406			0.03	0.735	1.033	—		
FR1 n38	40M	QPSK	1	1	DFT-30	Back	5mm	Ant 0	Headset	DSI 3	519000	2595</												



# 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)	Sample	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
<b>3500MHz</b>																							
	FR1 n78 Part27Q HPUE	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 4		DSI 3	633334	3500.01	1	16.14	16.70	1.138			0.09	0.765	0.870	—
	FR1 n78 Part27Q HPUE	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 4		DSI 3	633334	3500.01	1	16.01	16.70	1.172			0.08	0.828	0.971	—
	FR1 n78 Part27Q HPUE	100M	QPSK	270	0	DFT-30	Front	5mm	Ant 4		DSI 3	633334	3500.01	1	15.90	16.70	1.202			-0.04	0.862	0.820	—
	FR1 n78 Part27Q HPUE	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 4		DSI 3	633334	3500.01	1	16.14	16.70	1.138			0.03	1.047	1.191	—
45	FR1 n78 Part27Q HPUE	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 4		DSI 3	633334	3500.01	1	16.01	16.70	1.172			0.08	1.060	1.243	1
Repeated	FR1 n78 Part27Q HPUE	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 4		DSI 3	633334	3500.01	1	16.01	16.70	1.172			0.03	0.995	1.166	1.065
	FR1 n78 Part27Q HPUE	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 4		DSI 3	633334	3500.01	1	15.90	16.70	1.202			0.02	0.979	1.177	—
	FR1 n78 Part27Q HPUE	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 4	Headset	DSI 3	633334	3500.01	1	16.01	16.70	1.172			-0.03	1.027	1.204	—
Simultaneous	FR1 n78 Part27Q HPUE	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 4		DSI 3	633334	3500.01	1	14.79	15.40	1.151			0.04	0.751	0.864	—
	FR1 n78 Part27Q HPUE	100M	QPSK	135	69	DFT-30	Front	17mm	Ant 4		DSI 4	633334	3500.01	1	25.66	27.00	1.361			0.03	0.556	0.757	—
	FR1 n78 Part27Q HPUE	100M	QPSK	135	69	DFT-30	Back	23mm	Ant 4		DSI 4	633334	3500.01	1	25.66	27.00	1.361			-0.02	0.504	0.686	—
	FR1 n78 Part27Q HPUE	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 4		DSI 3	633334	3500.01	2	16.01	16.70	1.172			0.08	0.902	1.057	—
SRS	FR1 n78 Part27Q HPUE	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 2		DSI 3	633334	3500.01	1	15.54	16.40	1.219			0.05	0.641	0.781	—
	FR1 n78 Part27Q HPUE	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 2		DSI 3	633334	3500.01	1	15.31	16.40	1.285			0.1	0.612	0.787	—
	FR1 n78 Part27Q HPUE	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 2		DSI 3	633334	3500.01	1	15.54	16.40	1.219			0.07	0.707	0.862	—
	FR1 n78 Part27Q HPUE	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 2		DSI 3	633334	3500.01	1	15.31	16.40	1.285			-0.03	0.662	0.851	—
	FR1 n78 Part27Q HPUE	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 2		DSI 3	633334	3500.01	1	15.30	16.40	1.288			0.06	0.603	0.777	—
Simultaneous	FR1 n78 Part27Q HPUE	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 2		DSI 3	633334	3500.01	1	14.15	15.10	1.245			0.02	0.534	0.665	—
	FR1 n78 Part27Q HPUE	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 2		DSI 3	633334	3500.01	2	15.54	16.40	1.219			0.03	0.466	0.568	—
SRS	FR1 n78 Part27Q HPUE	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 7		DSI 3	633334	3500.01	1	18.96	19.50	1.132			0.04	0.689	0.780	—
	FR1 n78 Part27Q HPUE	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 7		DSI 3	633334	3500.01	1	18.89	19.50	1.151			0.04	0.556	0.640	—
	FR1 n78 Part27Q HPUE	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 7		DSI 3	633334	3500.01	1	18.96	19.50	1.132			0.08	1.030	1.166	—
	FR1 n78 Part27Q HPUE	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 7		DSI 3	633334	3500.01	1	18.89	19.50	1.151			0.04	0.940	1.082	—
	FR1 n78 Part27Q HPUE	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 7		DSI 3	633334	3500.01	1	18.85	19.50	1.161			0.02	0.910	1.057	—
Simultaneous	FR1 n78 Part27Q HPUE	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 7		DSI 3	633334	3500.01	1	17.58	18.20	1.153			0.08	0.737	0.850	—
	FR1 n78 Part27Q HPUE	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 7		DSI 3	633334	3500.01	2	18.96	19.50	1.132			0.04	0.906	1.026	—
SRS	FR1 n78 Part27Q HPUE	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 8		DSI 3	633334	3500.01	1	14.32	14.70	1.091			0.08	0.074	0.081	—
	FR1 n78 Part27Q HPUE	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 8		DSI 3	633334	3500.01	1	14.23	14.70	1.114			0.04	0.069	0.077	—
	FR1 n78 Part27Q HPUE	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 8		DSI 3	633334	3500.01	1	14.32	14.70	1.091			-0.04	0.907	0.990	—
	FR1 n78 Part27Q HPUE	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 8		DSI 3	633334	3500.01	1	14.23	14.70	1.114			0.08	0.928	1.034	—
	FR1 n78 Part27Q HPUE	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 8		DSI 3	633334	3500.01	1	14.19	14.70	1.125			-0.04	0.812	0.913	—
Simultaneous	FR1 n78 Part27Q HPUE	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 8		DSI 3	633334	3500.01	1	13.13	13.40	1.064			0.03	0.682	0.726	—
	FR1 n78 Part27Q HPUE	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 8		DSI 3	633334	3500.01	2	14.23	14.70	1.114			0.06	0.848	0.945	—
<b>WLAN/BT</b>																							
	WLAN2.4GHz	—	—	—	—	802.11b 1Mbps	Front	5mm	Ant 3+5		Full	11	2462	1	22.11	23.50	1.376	94.58	1.057	0.03	0.377	0.548	—
	WLAN2.4GHz	—	—	—	—	802.11b 1Mbps	Back	5mm	Ant 3+5		Full	11	2462	1	22.11	23.50	1.376	94.58	1.057	0.01	0.551	0.802	—
46	WLAN2.4GHz	—	—	—	—	802.11b 1Mbps	Back	5mm	Ant 3+5		Full	1	2412	1	21.96	23.50	1.425	94.58	1.057	-0.09	0.609	0.917	—
Simultaneous	WLAN2.4GHz	—	—	—	—	802.11b 1Mbps	Back	5mm	Ant 3+5	Simultaneous	Full	1	2412	1	18.28	20.00	1.487	94.58	1.057	-0.04	0.256	0.402	—
	WLAN2.4GHz	—	—	—	—	802.11b 1Mbps	Back	5mm	Ant 3+5		Full	1	2412	2	21.96	23.50	1.425	94.58	1.057	0.03	0.600	0.904	—
	Bluetooth	—	—	—	—	1Mbps	Front	5mm	Ant3		Full	39	2441	1	10.83	11.50	1.167	76.79	1.302	0.08	0.060	0.091	—
47	Bluetooth	—	—	—	—	1Mbps	Back	5mm	Ant3		Full	39	2441	1	10.83	11.50	1.167	76.79	1.302	0.02	0.077	0.117	—
	Bluetooth	—	—	—	—	1Mbps	Front	5mm	Ant5		Full	0	2402	1	12.41	13.50	1.285	76.79	1.302	0.03	0.063	0.105	—
	Bluetooth	—	—	—	—	1Mbps	Back	5mm	Ant5		Full	0	2402	1	12.41	13.50	1.285	76.79	1.302	0.06	0.047	0.079	—
	WLAN5GHz	—	—	—	—	802.11n-HT40 MCS0	Front	5mm	Ant5+6		Standalone	54	5270	1	18.11	19.50	1.377	93.98	1.064	0.04	0.556	0.815	—
	WLAN5GHz	—	—	—	—	802.11n-HT40 MCS0	Back	5mm	Ant5+6		Standalone	54	5270	1	18.11	19.50	1.377	93.98	1.064	0.03	0.731	1.071	—
49	WLAN5GHz	—	—	—	—	802.11n-HT40 MCS0	Back	5mm	Ant5+6		Standalone	62	5310	1	18.05	19.50	1.396	93.98	1.064	0.08	0.801	1.190	1
Simultaneous	WLAN5GHz	—	—	—	—	802.11n-HT40 MCS0	Back	5mm	Ant5+6	Simultaneous	Standalone	62	5310	1	14.54	16.00	1.400	93.98	1.064	0.03	0.301	0.448	—
Repeated	WLAN5GHz	—	—	—	—	802.11n-HT40 MCS0	Back	5mm	Ant5+6		Standalone	62	5310	1	18.05	19.50	1.396	93.98	1.064	-0.04	0.756	1.123	1.06
	WLAN5GHz	—	—	—	—	802.11n-HT40 MCS0	Back	5mm	Ant5+6		Standalone	62	5310	2	18.05	19.50	1.396	93.98	1.064	0.05	0.731	1.086	—
	WLAN5GHz	—	—	—	—	802.11ac-VHT80 MCS0	Front	5mm	Ant5+6		Standalone	122	5610	1	17.20	18.50	1.349	93.4	1.071	0.08	0.673	0.972	—
50	WLAN5GHz	—	—	—	—	802.11ac-VHT80 MCS0	Back	5mm	Ant5+6		Standalone	122	5610	1	17.20	18.50	1.349	93.4	1.071	-0.04	0.820	1.165	—
	WLAN5GHz	—	—	—	—	802.11ac-VHT80 MCS0	Back	5mm	Ant5+6		Standalone	138	5690	1	17.12	18.50	1.374	93.4	1.071	0.03	0.759	1.117	1
Simultaneous	WLAN5GHz	—	—	—	—	802.11ac-VHT80 MCS0	Back	5mm	Ant5+6	Simultaneous	Standalone	122	5610	1	15.32	16.00	1.169	93.4	1.071	0.08	0.338	0.423	—
Repeated	WLAN5GHz	—	—	—	—	802.11ac-VHT80 MCS0	Back	5mm	Ant5+6		Standalone	122	5610	1	17.20	18.50	1.349	93.4	1.071</				





SAR Test Record

Table with columns: Plot No., Band, BW (MHz), Modulation, RB Size, RB offset, Mode, Test Position, Gap (mm), Antenna, Power State, Ch., Freq. (MHz), Sample, Average Power (dBm), Tune-Up Limit (dBm), Tune-up Scaling Factor, Duty Cycle %, Duty Cycle Scaling Factor, Power On/Off (dB), Measured 1g SAR (W/kg), Reported 1g SAR (W/kg), Ratio. Includes sub-sections for 750MHz, 835MHz, and 1900MHz.



# 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)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Denb (dB)	Measured SAR (W/kg)	Reported SAR (W/kg)	Ratio						
<b>1750MHz</b>																												
	WCDMA IV	—	—	—	—	RMC 12.2Kbps	Front	5mm	Ant 0	DSI 3	1413	1732.6	1	13.55	14.60	1.274				0.02	0.280	0.357	—					
	WCDMA IV	—	—	—	—	RMC 12.2Kbps	Back	5mm	Ant 0	DSI 3	1413	1732.6	1	13.55	14.60	1.274				0.03	0.431	0.549	—					
	WCDMA IV	—	—	—	—	RMC 12.2Kbps	Left Side	5mm	Ant 0	DSI 3	1413	1732.6	1	13.55	14.60	1.274				0.02	0.039	0.050	—					
	WCDMA IV	—	—	—	—	RMC 12.2Kbps	Right Side	5mm	Ant 0	DSI 3	1413	1732.6	1	13.55	14.60	1.274				0.01	0.045	0.057	—					
	WCDMA IV	—	—	—	—	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI 3	1413	1732.6	1	13.55	14.60	1.274				0.03	0.672	0.856	—					
	WCDMA IV	—	—	—	—	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI 3	1312	1712.4	1	13.47	14.60	1.297				0.06	0.622	0.807	—					
58	WCDMA IV	—	—	—	—	RMC 12.2Kbps	Bottom Side	5mm	Ant 0	DSI 3	1513	1752.6	1	13.63	14.60	1.279				0.02	0.725	<b>0.928</b>	—					
	LTE Band 66	20M	QPSK	1	0	—	Front	5mm	Ant 0	DSI 3	132322	1745	1	13.77	14.70	1.239				0.02	0.291	0.360	—					
	LTE Band 66	20M	QPSK	50	0	—	Front	5mm	Ant 0	DSI 3	132322	1745	1	13.65	14.70	1.274				0.01	0.232	0.295	—					
	LTE Band 66	20M	QPSK	1	0	—	Back	5mm	Ant 0	DSI 3	132322	1745	1	13.77	14.70	1.239				0.02	0.438	0.543	—					
	LTE Band 66	20M	QPSK	50	0	—	Back	5mm	Ant 0	DSI 3	132322	1745	1	13.65	14.70	1.274				0.01	0.343	0.437	—					
	LTE Band 66	20M	QPSK	1	0	—	Left Side	5mm	Ant 0	DSI 3	132322	1745	1	13.77	14.70	1.239				0.02	0.035	0.043	—					
	LTE Band 66	20M	QPSK	50	0	—	Left Side	5mm	Ant 0	DSI 3	132322	1745	1	13.65	14.70	1.274				0.03	0.028	0.036	—					
	LTE Band 66	20M	QPSK	1	0	—	Right Side	5mm	Ant 0	DSI 3	132322	1745	1	13.77	14.70	1.239				-0.02	0.017	0.021	—					
	LTE Band 66	20M	QPSK	50	0	—	Right Side	5mm	Ant 0	DSI 3	132322	1745	1	13.65	14.70	1.274				0.02	0.034	0.043	—					
	LTE Band 66	20M	QPSK	1	0	—	Bottom Side	5mm	Ant 0	DSI 3	132322	1745	1	13.77	14.70	1.239				0.05	0.081	0.844	—					
	LTE Band 66	20M	QPSK	1	0	—	Bottom Side	5mm	Ant 0	DSI 3	132072	1720	1	13.69	14.70	1.262				0.1	0.574	0.724	—					
	LTE Band 66	20M	QPSK	1	0	—	Bottom Side	5mm	Ant 0	DSI 3	132572	1770	1	13.65	14.70	1.274				-0.07	0.729	<b>0.928</b>	—					
	LTE Band 66	20M	QPSK	50	0	—	Bottom Side	5mm	Ant 0	DSI 3	132322	1745	1	13.65	14.70	1.274				-0.03	0.613	0.781	—					
	LTE Band 66	20M	QPSK	100	0	—	Bottom Side	5mm	Ant 0	DSI 3	132322	1745	1	13.58	14.70	1.294				-0.05	0.600	0.777	—					
	LTE Band 66	20M	QPSK	1	0	—	Bottom Side	5mm	Ant 0	DSI 3	132572	1770	2	13.65	14.70	1.274				0.05	0.515	0.656	—					
	FR1 n66	40M	QPSK	1	1	DFT-15	Front	5mm	Ant 0	DSI 3	349000	1745	1	14.28	15.30	1.265				0.02	0.341	0.431	—					
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	5mm	Ant 0	DSI 3	349000	1745	1	14.27	15.30	1.268				0.01	0.303	0.384	—					
	FR1 n66	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	DSI 3	346000	1730	1	14.28	15.30	1.265				0.02	0.424	0.536	—					
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 0	DSI 3	349000	1745	1	14.27	15.30	1.268				-0.02	0.446	0.565	—					
	FR1 n66	40M	QPSK	1	1	DFT-15	Left Side	5mm	Ant 0	DSI 3	349000	1745	1	14.28	15.30	1.265				-0.01	0.036	0.046	—					
	FR1 n66	40M	QPSK	108	54	DFT-15	Left Side	5mm	Ant 0	DSI 3	349000	1745	1	14.27	15.30	1.269				0.02	0.033	0.042	—					
	FR1 n66	40M	QPSK	1	1	DFT-15	Right Side	5mm	Ant 0	DSI 3	349000	1745	1	14.28	15.30	1.265				-0.06	0.039	0.049	—					
	FR1 n66	40M	QPSK	108	54	DFT-15	Right Side	5mm	Ant 0	DSI 3	349000	1745	1	14.27	15.30	1.268				0.06	0.040	0.051	—					
	FR1 n66	40M	QPSK	1	1	DFT-15	Bottom Side	5mm	Ant 0	DSI 3	349000	1745	1	14.28	15.30	1.265				-0.05	0.002	0.761	—					
	FR1 n66	40M	QPSK	108	54	DFT-15	Bottom Side	5mm	Ant 0	DSI 3	349000	1745	1	14.27	15.30	1.268				0.02	0.717	0.909	—					
	FR1 n66	40M	QPSK	108	54	DFT-15	Bottom Side	5mm	Ant 0	DSI 3	346000	1730	1	14.17	15.30	1.297				0.06	0.647	0.839	—					
60	FR1 n66	40M	QPSK	108	54	DFT-15	Bottom Side	5mm	Ant 0	DSI 3	352000	1760	1	14.25	15.30	1.274				-0.04	0.725	<b>0.923</b>	—					
	FR1 n66	40M	QPSK	216	0	DFT-15	Bottom Side	5mm	Ant 0	DSI 3	349000	1745	1	14.19	15.30	1.291				0.02	0.563	0.727	—					
	LTE Band 66	20M	QPSK	1	0	—	Front	5mm	Ant 1	DSI 3	132322	1745	1	15.15	16.30	1.303				0.03	0.340	0.443	—					
	LTE Band 66	20M	QPSK	50	0	—	Front	5mm	Ant 1	DSI 3	132322	1745	1	15.13	16.30	1.309				0.02	0.207	0.402	—					
	LTE Band 66	20M	QPSK	1	0	—	Back	5mm	Ant 1	DSI 3	132322	1745	1	15.15	16.30	1.303				0.05	0.652	0.850	—					
	LTE Band 66	20M	QPSK	1	0	—	Back	5mm	Ant 1	DSI 3	132072	1720	1	15.12	16.30	1.312				0.02	0.631	0.829	—					
	LTE Band 66	20M	QPSK	1	0	—	Back	5mm	Ant 1	DSI 3	132572	1770	1	15.14	16.30	1.306				-0.01	0.683	0.852	—					
	LTE Band 66	20M	QPSK	50	0	—	Back	5mm	Ant 1	DSI 3	132322	1745	1	15.13	16.30	1.309				0.03	0.602	0.788	—					
	LTE Band 66	20M	QPSK	100	0	—	Back	5mm	Ant 1	DSI 3	132322	1745	1	15.01	16.30	1.346				0.05	0.579	0.779	—					
	LTE Band 66	20M	QPSK	1	0	—	Left Side	5mm	Ant 1	DSI 3	132322	1745	1	15.15	16.30	1.303				-0.03	0.149	0.194	—					
	LTE Band 66	20M	QPSK	50	0	—	Left Side	5mm	Ant 1	DSI 3	132322	1745	1	15.13	16.30	1.309				0.02	0.141	0.185	—					
	LTE Band 66	20M	QPSK	1	0	—	Right Side	5mm	Ant 1	DSI 3	132322	1745	1	15.15	16.30	1.303				-0.06	0.013	0.017	—					
	LTE Band 66	20M	QPSK	50	0	—	Right Side	5mm	Ant 1	DSI 3	132322	1745	1	15.13	16.30	1.309				-0.01	0.011	0.014	—					
	LTE Band 66	20M	QPSK	1	0	—	Top Side	5mm	Ant 1	DSI 3	132322	1745	1	15.15	16.30	1.303				0.02	0.532	0.693	—					
	LTE Band 66	20M	QPSK	50	0	—	Top Side	5mm	Ant 1	DSI 3	132322	1745	1	15.13	16.30	1.309				-0.05	0.496	0.649	—					
	LTE Band 66	20M	QPSK	1	0	—	Back	5mm	Ant 1	DSI 3	132572	1770	2	15.14	16.30	1.306				0.06	0.630	0.823	—					
	FR1 n66	40M	QPSK	1	1	DFT-15	Front	5mm	Ant 1	DSI 3	349000	1745	1	15.56	16.40	1.213				-0.05	0.235	0.285	—					
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	5mm	Ant 1	DSI 3	349000	1745	1	15.50	16.40	1.230				-0.06	0.244	0.300	—					
	FR1 n66	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 1	DSI 3	349000	1745	1	15.56	16.40	1.213				0.02	0.535	0.649	—					
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 1	DSI 3	349000	1745	1	15.50	16.40	1.230				-0.07	0.662	0.814	—					
	FR1 n66	40M	QPSK	1	1	DFT-15	Left Side	5mm	Ant 1	DSI 3	349000	1745	1	15.56	16.40	1.213				0.02	0.114	0.138	—					
	FR1 n66	40M	QPSK	108	54	DFT-15	Left Side	5mm	Ant 1	DSI 3	349000	1745	1	15.50	16.40	1.230												



# 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)	Sample	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
<b>2600MHz</b>																						
	LTE Band 7	20M	QPSK	1	0	---	Front	5mm	Ant 0	DSI 3	21100	2535	1	14.80	15.20	1.096			0.02	0.326	0.357	---
	LTE Band 7	20M	QPSK	50	0	---	Front	5mm	Ant 0	DSI 3	21100	2535	1	14.74	15.20	1.112			-0.04	0.276	0.307	---
	LTE Band 7	20M	QPSK	1	0	---	Back	5mm	Ant 0	DSI 3	21100	2535	1	14.80	15.20	1.096			-0.03	0.306	0.355	---
	LTE Band 7	20M	QPSK	50	0	---	Back	5mm	Ant 0	DSI 3	21100	2535	1	14.74	15.20	1.112			-0.03	0.437	0.488	---
	LTE Band 7	20M	QPSK	1	0	---	Left Side	5mm	Ant 0	DSI 3	21100	2535	1	14.80	15.20	1.096			0.06	0.047	0.052	---
	LTE Band 7	20M	QPSK	50	0	---	Left Side	5mm	Ant 0	DSI 3	21100	2535	1	14.74	15.20	1.112			-0.06	0.040	0.044	---
	LTE Band 7	20M	QPSK	1	0	---	Right Side	5mm	Ant 0	DSI 3	21100	2535	1	14.80	15.20	1.096			-0.03	0.058	0.064	---
	LTE Band 7	20M	QPSK	50	0	---	Right Side	5mm	Ant 0	DSI 3	21100	2535	1	14.74	15.20	1.112			-0.03	0.048	0.053	---
	LTE Band 7	20M	QPSK	1	0	---	Bottom Side	5mm	Ant 0	DSI 3	21100	2535	1	14.80	15.20	1.096			-0.06	0.751	0.823	---
	LTE Band 7	20M	QPSK	1	0	---	Bottom Side	5mm	Ant 0	DSI 3	20850	2510	1	14.57	15.20	1.156			0.03	0.805	0.931	1.013
	LTE Band 7	20M	QPSK	1	0	---	Bottom Side	5mm	Ant 0	DSI 3	20850	2510	1	14.57	15.20	1.156			0.01	0.795	0.919	1.013
Repeated	LTE Band 7	20M	QPSK	1	99	---	Bottom Side	5mm	Ant 0	DSI 3	21100+21298	2535+2554.8	1	14.56	15.20	1.159			0.08	0.776	0.899	UL CA
UL CA	LTE Band 7	20M	QPSK	1	0	---	Bottom Side	5mm	Ant 0	DSI 3	21350	2560	1	14.72	15.20	1.117			0.02	0.693	0.774	---
	LTE Band 7	20M	QPSK	50	0	---	Bottom Side	5mm	Ant 0	DSI 3	21100	2535	1	14.74	15.20	1.112			-0.06	0.629	0.699	---
	LTE Band 7	20M	QPSK	100	0	---	Bottom Side	5mm	Ant 0	DSI 3	21100	2535	1	14.61	15.20	1.146			-0.06	0.613	0.702	---
	LTE Band 7	20M	QPSK	1	0	---	Bottom Side	5mm	Ant 0	DSI 3	20850	2510	2	14.57	15.20	1.156			0.09	0.427	0.494	---
	FR1 n7	40M	QPSK	1	1	DFT-15	Front	5mm	Ant 0	DSI 3	507000	2535	1	14.96	16.00	1.271			0.06	0.230	0.292	---
	FR1 n7	40M	QPSK	108	54	DFT-15	Front	5mm	Ant 0	DSI 3	507000	2535	1	14.90	16.00	1.288			-0.03	0.257	0.331	---
	FR1 n7	40M	QPSK	1	1	DFT-15	Back	5mm	Ant 0	DSI 3	507000	2535	1	14.96	16.00	1.271			-0.06	0.379	0.482	---
	FR1 n7	40M	QPSK	108	54	DFT-15	Back	5mm	Ant 0	DSI 3	507000	2535	1	14.90	16.00	1.288			-0.06	0.453	0.584	---
	FR1 n7	40M	QPSK	1	1	DFT-15	Left Side	5mm	Ant 0	DSI 3	507000	2535	1	14.96	16.00	1.271			-0.06	0.079	0.100	---
	FR1 n7	40M	QPSK	108	54	DFT-15	Left Side	5mm	Ant 0	DSI 3	507000	2535	1	14.90	16.00	1.288			0.06	0.061	0.079	---
	FR1 n7	40M	QPSK	1	1	DFT-15	Right Side	5mm	Ant 0	DSI 3	507000	2535	1	14.96	16.00	1.271			-0.06	0.059	0.075	---
	FR1 n7	40M	QPSK	108	54	DFT-15	Right Side	5mm	Ant 0	DSI 3	507000	2535	1	14.90	16.00	1.288			-0.03	0.042	0.054	---
	FR1 n7	40M	QPSK	1	1	DFT-15	Bottom Side	5mm	Ant 0	DSI 3	507000	2535	1	14.96	16.00	1.271			-0.03	0.619	0.786	---
	FR1 n7	40M	QPSK	108	54	DFT-15	Bottom Side	5mm	Ant 0	DSI 3	507000	2535	1	14.90	16.00	1.288			-0.06	0.636	0.819	---
	FR1 n7	40M	QPSK	108	54	DFT-15	Bottom Side	5mm	Ant 0	DSI 3	504000	2520	1	14.75	16.00	1.334			0.02	0.624	0.805	---
	FR1 n7	40M	QPSK	108	54	DFT-15	Bottom Side	5mm	Ant 0	DSI 3	510000	2550	1	14.79	16.00	1.321			-0.06	0.634	0.838	---
65	FR1 n7	40M	QPSK	216	0	DFT-15	Bottom Side	5mm	Ant 0	DSI 3	507000	2535	1	14.85	16.00	1.303			-0.06	0.714	<b>0.930</b>	---
	LTE Band 41	20M	QPSK	1	0	---	Front	5mm	Ant 0	DSI 3	40620	2593	1	17.11	17.90	1.199	62.9	1.006	-0.03	0.239	0.288	---
	LTE Band 41	20M	QPSK	50	0	---	Front	5mm	Ant 0	DSI 3	40620	2593	1	17.03	17.90	1.222	62.9	1.006	-0.03	0.244	0.300	---
	LTE Band 41	20M	QPSK	1	0	---	Back	5mm	Ant 0	DSI 3	40620	2593	1	17.11	17.90	1.199	62.9	1.006	-0.03	0.451	0.544	---
	LTE Band 41	20M	QPSK	50	0	---	Back	5mm	Ant 0	DSI 3	40620	2593	1	17.03	17.90	1.222	62.9	1.006	-0.06	0.412	0.506	---
	LTE Band 41	20M	QPSK	1	0	---	Left Side	5mm	Ant 0	DSI 3	40620	2593	1	17.11	17.90	1.199	62.9	1.006	0.03	0.086	0.104	---
	LTE Band 41	20M	QPSK	50	0	---	Left Side	5mm	Ant 0	DSI 3	40620	2593	1	17.03	17.90	1.222	62.9	1.006	0.04	0.076	0.093	---
	LTE Band 41	20M	QPSK	1	0	---	Right Side	5mm	Ant 0	DSI 3	40620	2593	1	17.11	17.90	1.199	62.9	1.006	-0.06	0.066	0.080	---
	LTE Band 41	20M	QPSK	50	0	---	Right Side	5mm	Ant 0	DSI 3	40620	2593	1	17.03	17.90	1.222	62.9	1.006	0.04	0.048	0.059	---
	LTE Band 41	20M	QPSK	1	0	---	Bottom Side	5mm	Ant 0	DSI 3	40620	2593	1	17.11	17.90	1.199	62.9	1.006	0.03	0.684	0.825	---
	LTE Band 41	20M	QPSK	1	0	---	Bottom Side	5mm	Ant 0	DSI 3	39750	2506	1	16.94	17.90	1.247	62.9	1.006	0.06	0.642	0.806	---
	LTE Band 41	20M	QPSK	1	0	---	Bottom Side	5mm	Ant 0	DSI 3	40185	2540.5	1	17.09	17.90	1.205	62.9	1.006	0.01	0.630	0.764	---
	LTE Band 41	20M	QPSK	1	0	---	Bottom Side	5mm	Ant 0	DSI 3	41055	2636.5	1	17.10	17.90	1.202	62.9	1.006	-0.02	0.613	0.741	---
	LTE Band 41	20M	QPSK	1	0	---	Bottom Side	5mm	Ant 0	DSI 3	41490	2680	1	16.98	17.90	1.236	62.9	1.006	0.01	0.650	0.808	---
	LTE Band 41	20M	QPSK	50	0	---	Bottom Side	5mm	Ant 0	DSI 3	40620	2593	1	17.03	17.90	1.222	62.9	1.006	-0.06	0.656	0.806	---
	LTE Band 41	20M	QPSK	50	0	---	Bottom Side	5mm	Ant 0	DSI 3	39750	2506	1	16.82	17.90	1.282	62.9	1.006	0.04	0.623	0.804	---
	LTE Band 41	20M	QPSK	50	0	---	Bottom Side	5mm	Ant 0	DSI 3	40185	2540.5	1	16.96	17.90	1.242	62.9	1.006	0.02	0.601	0.751	---
	LTE Band 41	20M	QPSK	50	0	---	Bottom Side	5mm	Ant 0	DSI 3	41055	2636.5	1	16.98	17.90	1.236	62.9	1.006	-0.06	0.645	0.802	---
	LTE Band 41	20M	QPSK	50	0	---	Bottom Side	5mm	Ant 0	DSI 3	41490	2680	1	16.94	17.90	1.247	62.9	1.006	0.04	0.635	0.797	---
	LTE Band 41	20M	QPSK	100	0	---	Bottom Side	5mm	Ant 0	DSI 3	40620	2593	1	17.02	17.90	1.225	62.9	1.006	0.03	0.598	0.737	---
66	LTE Band 41 HPUE	20M	QPSK	1	0	---	Bottom Side	5mm	Ant 0	DSI 3	40620	2593	1	18.33	19.50	1.309	42.9	1.009	0.02	0.674	<b>0.899</b>	---
	FR1 n38	40M	QPSK	1	1	DFT-30	Front	5mm	Ant 0	DSI 3	519000	2595	1	14.92	15.50	1.143			-0.05	0.265	0.303	---
	FR1 n38	40M	QPSK	50	28	DFT-30	Front	5mm	Ant 0	DSI 3	519000	2595	1	14.66	15.50	1.213			-0.04	0.254	0.308	---
	FR1 n38	40M	QPSK	1	1	DFT-30	Back	5mm	Ant 0	DSI 3	519000	2595	1	14.92	15.50	1.143			0.04	0.473	0.541	---
	FR1 n38	40M	QPSK	50	28	DFT-30	Back	5mm	Ant 0	DSI 3	519000	2595	1	14.66	15.50	1.213			0.02	0.462	0.561	---
	FR1 n38	40M	QPSK	1	1	DFT-30	Left Side	5mm	Ant 0	DSI 3	519000	2595	1	14.92	15.50	1.143			-0.06	0.075	0.086	---
	FR1 n38	40M	QPSK	50	28	DFT-30	Left Side	5mm	Ant 0	DSI 3	519000	2595	1	14.66	15.50	1.213			0.04	0.063	0.076	---
	FR1 n38	40M	QPSK	1	1	DFT-30	Right Side	5mm	Ant 0	DSI 3	519000	2595	1	14.92	15.50	1.143			0.03	0.048	0.055	---
	FR1 n38	40M	QPSK	50	28	DFT-30	Right Side	5mm	Ant 0	DSI 3	519000	2595	1	14.66	15.50	1.213			-0.03	0.053	0.064	---
	FR1 n38	40M	QPSK	1	1	DFT-30	Bottom Side	5mm	Ant 0	DSI 3	519000	2595	1	14.92	15.50	1.143			0.04	0.777	0.888	---
67	FR1 n38	40M	QPSK	1	1	DFT-30	Bottom Side	5mm	Ant 0	DSI 3	518004	2590.02	1	14.91	15.50	1.146			0.02	0.787	<b>0.902</b>	---
	FR1 n38	40M	QPSK	1	1	DFT-30	Bottom Side	5mm	Ant 0	DSI 3	519996	2599.98	1	14.87	15.50	1.156			-0.05	0.723	0.836	---
	FR1 n38	40M	QPSK	50	28	DFT-30	Bottom Side	5mm	Ant 0	DSI 3	519000	2595	1	14.66	15.50	1.213			0.01	0.710	0.862	---
	FR1 n38	40M	QPSK	50	28	DFT-30	Bottom Side	5mm	Ant 0	DSI 3	518004	2590.02	1	14.63	15.50	1.222			0.03	0.889	0.942	---
	FR1 n38	40M	QPSK	50	28	DFT-30	Bottom Side	5mm	Ant 0	DSI 3	519996	2599.98	1	14.46	15.50	1.271			0.04	0.658	0.836	---
	FR1 n38	40M	QPSK	100	0	DFT-30	Bottom Side	5mm	Ant 0	DSI 3	519000	2595	1	14.59	15.50	1.233			-0			



# 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)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Dntr (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Ratio
<b>3500MHz</b>																						
70	LTE Band 42	20M	QPSK	1	0	---	Front	5mm	Ant 4	DSI 3	42590	3500	1	16.40	17.50	1.288	62.9	1.006	-0.06	0.373	0.483	---
	LTE Band 42	20M	QPSK	50	0	---	Front	5mm	Ant 4	DSI 3	42590	3500	1	16.37	17.50	1.297	62.9	1.006	0.02	0.317	0.414	---
	LTE Band 42	20M	QPSK	1	0	---	Back	5mm	Ant 4	DSI 3	42590	3500	1	16.40	17.50	1.288	62.9	1.006	0.04	0.708	0.918	---
	LTE Band 42	20M	QPSK	1	0	---	Back	5mm	Ant 4	DSI 3	42590	3500	1	16.33	17.50	1.309	62.9	1.006	-0.06	0.680	0.898	---
	LTE Band 42	20M	QPSK	1	0	---	Back	5mm	Ant 4	DSI 3	42590	3540	1	16.38	17.50	1.294	62.9	1.006	0.04	0.757	0.986	---
	LTE Band 42	20M	QPSK	50	0	---	Back	5mm	Ant 4	DSI 3	42590	3500	1	16.37	17.50	1.297	62.9	1.006	0.03	0.602	0.796	---
	LTE Band 42	20M	QPSK	100	0	---	Back	5mm	Ant 4	DSI 3	42590	3500	1	16.36	17.50	1.300	62.9	1.006	-0.06	0.589	0.770	---
	LTE Band 42	20M	QPSK	1	0	---	Left Side	5mm	Ant 4	DSI 3	42590	3500	1	16.40	17.50	1.288	62.9	1.006	-0.06	0.040	0.052	---
	LTE Band 42	20M	QPSK	50	0	---	Left Side	5mm	Ant 4	DSI 3	42590	3500	1	16.37	17.50	1.297	62.9	1.006	0.03	0.032	0.042	---
	LTE Band 42	20M	QPSK	1	0	---	Right Side	5mm	Ant 4	DSI 3	42590	3500	1	16.40	17.50	1.288	62.9	1.006	0.04	0.081	0.106	---
	LTE Band 42	20M	QPSK	50	0	---	Right Side	5mm	Ant 4	DSI 3	42590	3500	1	16.37	17.50	1.297	62.9	1.006	0.02	0.066	0.086	---
	LTE Band 42	20M	QPSK	1	0	---	Top Side	5mm	Ant 4	DSI 3	42590	3500	1	16.40	17.50	1.288	62.9	1.006	0.04	0.401	0.520	---
LTE Band 42	20M	QPSK	50	0	---	Top Side	5mm	Ant 4	DSI 3	42590	3500	1	16.37	17.50	1.297	62.9	1.006	0.02	0.331	0.432	---	
LTE Band 42	20M	QPSK	1	0	---	Back	5mm	Ant 4	DSI 3	42990	3540	2	16.38	17.50	1.294	62.9	1.006	0.06	0.665	0.866	---	
71	FR1 n78 Part27Q HPUE	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 4	DSI 3	633334	3500.01	1	14.93	15.40	1.114			0.09	0.471	0.525	---
	FR1 n78 Part27Q HPUE	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 4	DSI 3	633334	3500.01	1	14.79	15.40	1.151			0.08	0.587	0.676	---
	FR1 n78 Part27Q HPUE	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 4	DSI 3	633334	3500.01	1	14.93	15.40	1.114			0.03	0.742	0.827	---
	FR1 n78 Part27Q HPUE	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 4	DSI 3	633334	3500.01	1	14.79	15.40	1.151			0.08	0.751	0.864	---
	FR1 n78 Part27Q HPUE	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 4	DSI 3	633334	3500.01	1	14.75	15.40	1.161			0.02	0.664	0.771	---
	FR1 n78 Part27Q HPUE	100M	QPSK	1	1	DFT-30	Left Side	5mm	Ant 4	DSI 3	633334	3500.01	1	14.93	15.40	1.114			0.04	0.067	0.075	---
	FR1 n78 Part27Q HPUE	100M	QPSK	135	69	DFT-30	Left Side	5mm	Ant 4	DSI 3	633334	3500.01	1	14.79	15.40	1.151			0.03	0.048	0.055	---
	FR1 n78 Part27Q HPUE	100M	QPSK	1	1	DFT-30	Right Side	5mm	Ant 4	DSI 3	633334	3500.01	1	14.93	15.40	1.114			0.08	0.118	0.131	---
	FR1 n78 Part27Q HPUE	100M	QPSK	135	69	DFT-30	Right Side	5mm	Ant 4	DSI 3	633334	3500.01	1	14.79	15.40	1.151			-0.04	0.115	0.132	---
	FR1 n78 Part27Q HPUE	100M	QPSK	1	1	DFT-30	Top Side	5mm	Ant 4	DSI 3	633334	3500.01	1	14.93	15.40	1.114			0.08	0.684	0.762	---
	FR1 n78 Part27Q HPUE	100M	QPSK	135	69	DFT-30	Top Side	5mm	Ant 4	DSI 3	633334	3500.01	1	14.79	15.40	1.151			0.02	0.721	0.830	---
	FR1 n78 Part27Q HPUE	100M	QPSK	270	0	DFT-30	Top Side	5mm	Ant 4	DSI 3	633334	3500.01	1	14.75	15.40	1.161			-0.03	0.602	0.699	---
FR1 n78 Part27Q HPUE	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 2	DSI 3	633334	3500.01	1	14.15	15.10	1.245			0.05	0.297	0.370	---	
FR1 n78 Part27Q HPUE	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 2	DSI 3	633334	3500.01	1	14.06	15.10	1.271			0.1	0.373	0.474	---	
FR1 n78 Part27Q HPUE	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 2	DSI 3	633334	3500.01	1	14.15	15.10	1.245			0.02	0.534	0.665	---	
FR1 n78 Part27Q HPUE	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 2	DSI 3	633334	3500.01	1	14.06	15.10	1.271			-0.03	0.500	0.635	---	
FR1 n78 Part27Q HPUE	100M	QPSK	1	1	DFT-30	Left Side	5mm	Ant 2	DSI 3	633334	3500.01	1	14.15	15.10	1.245			0.04	0.475	0.591	---	
FR1 n78 Part27Q HPUE	100M	QPSK	135	69	DFT-30	Left Side	5mm	Ant 2	DSI 3	633334	3500.01	1	14.06	15.10	1.271			0.03	0.486	0.617	---	
FR1 n78 Part27Q HPUE	100M	QPSK	1	1	DFT-30	Top Side	5mm	Ant 2	DSI 3	633334	3500.01	1	14.15	15.10	1.245			-0.04	0.134	0.167	---	
FR1 n78 Part27Q HPUE	100M	QPSK	135	69	DFT-30	Top Side	5mm	Ant 2	DSI 3	633334	3500.01	1	14.06	15.10	1.271			0.03	0.149	0.189	---	
FR1 n78 Part27Q HPUE	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 2	DSI 3	633334	3500.01	2	14.15	15.10	1.245			0.02	0.416	0.518	---	
FR1 n78 Part27Q HPUE	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 7	DSI 3	633334	3500.01	1	17.58	18.20	1.153			0.04	0.493	0.569	---	
FR1 n78 Part27Q HPUE	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 7	DSI 3	633334	3500.01	1	17.48	18.20	1.180			0.04	0.398	0.470	---	
FR1 n78 Part27Q HPUE	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 7	DSI 3	633334	3500.01	1	17.58	18.20	1.153			0.08	0.737	0.850	---	
FR1 n78 Part27Q HPUE	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 7	DSI 3	633334	3500.01	1	17.48	18.20	1.180			0.04	0.630	0.744	---	
FR1 n78 Part27Q HPUE	100M	QPSK	270	0	DFT-30	Back	5mm	Ant 7	DSI 3	633334	3500.01	1	17.46	18.20	1.186			0.03	0.612	0.726	---	
FR1 n78 Part27Q HPUE	100M	QPSK	1	1	DFT-30	Left Side	5mm	Ant 7	DSI 3	633334	3500.01	1	17.58	18.20	1.153			-0.08	0.626	0.722	---	
FR1 n78 Part27Q HPUE	100M	QPSK	135	69	DFT-30	Left Side	5mm	Ant 7	DSI 3	633334	3500.01	1	17.48	18.20	1.180			-0.03	0.594	0.701	---	
FR1 n78 Part27Q HPUE	100M	QPSK	1	1	DFT-30	Bottom Side	5mm	Ant 7	DSI 3	633334	3500.01	1	17.58	18.20	1.153			0.04	0.398	0.459	---	
FR1 n78 Part27Q HPUE	100M	QPSK	135	69	DFT-30	Bottom Side	5mm	Ant 7	DSI 3	633334	3500.01	1	17.48	18.20	1.180			0.03	0.284	0.335	---	
FR1 n78 Part27Q HPUE	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 7	DSI 3	633334	3500.01	2	17.58	18.20	1.153			0.09	0.531	0.612	---	
FR1 n78 Part27Q HPUE	100M	QPSK	1	1	DFT-30	Front	5mm	Ant 8	DSI 3	633334	3500.01	1	13.23	13.40	1.040			0.08	0.550	0.572	---	
FR1 n78 Part27Q HPUE	100M	QPSK	135	69	DFT-30	Front	5mm	Ant 8	DSI 3	633334	3500.01	1	13.13	13.40	1.064			0.04	0.510	0.543	---	
FR1 n78 Part27Q HPUE	100M	QPSK	1	1	DFT-30	Back	5mm	Ant 8	DSI 3	633334	3500.01	1	13.23	13.40	1.040			-0.04	0.667	0.694	---	
FR1 n78 Part27Q HPUE	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 8	DSI 3	633334	3500.01	1	13.13	13.40	1.064			0.03	0.682	0.726	---	
FR1 n78 Part27Q HPUE	100M	QPSK	1	1	DFT-30	Left Side	5mm	Ant 8	DSI 3	633334	3500.01	1	13.23	13.40	1.040			0.02	0.066	0.069	---	
FR1 n78 Part27Q HPUE	100M	QPSK	135	69	DFT-30	Left Side	5mm	Ant 8	DSI 3	633334	3500.01	1	13.13	13.40	1.064			0.04	0.093	0.099	---	
FR1 n78 Part27Q HPUE	100M	QPSK	1	1	DFT-30	Right Side	5mm	Ant 8	DSI 3	633334	3500.01	1	13.23	13.40	1.040			0.01	0.023	0.024	---	
FR1 n78 Part27Q HPUE	100M	QPSK	135	69	DFT-30	Right Side	5mm	Ant 8	DSI 3	633334	3500.01	1	13.13	13.40	1.064			-0.08	0.023	0.024	---	
FR1 n78 Part27Q HPUE	100M	QPSK	1	1	DFT-30	Top Side	5mm	Ant 8	DSI 3	633334	3500.01	1	13.23	13.40	1.040			-0.03	0.117	0.122	---	
FR1 n78 Part27Q HPUE	100M	QPSK	135	69	DFT-30	Top Side	5mm	Ant 8	DSI 3	633334	3500.01	1	13.13	13.40	1.064			0.02	0.109	0.116	---	
FR1 n78 Part27Q HPUE	100M	QPSK	135	69	DFT-30	Back	5mm	Ant 8	DSI 3	633334	3500.01	2										



# 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)	Sample	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
<b>835MHz</b>																						
78	GSM850	—	—	—	—	GPRS (3 Tx slots)	Back	0mm	Ant 0	DSI 6	128	824.2	1	29.71	30.90	1.315	—	—	-0.02	2.120	<b>2.788</b>	—
	GSM850	—	—	—	—	GPRS (3 Tx slots)	Back	0mm	Ant 0	DSI 6	251	848.8	1	29.42	30.90	1.406	—	—	0.03	1.960	2.756	—
	GSM850	—	—	—	—	GPRS (3 Tx slots)	Back	0mm	Ant 0	DSI 6	189	836.4	1	29.46	30.90	1.393	—	—	-0.05	1.930	2.689	—
Simultaneous	GSM850	—	—	—	—	GPRS (3 Tx slots)	Back	0mm	Ant 0	DSI 6	128	824.2	1	28.35	29.90	1.429	—	—	0.09	1.770	2.529	—
	GSM850	—	—	—	—	GPRS (3 Tx slots)	Back	0mm	Ant 0	DSI 6	128	824.2	2	29.71	30.90	1.315	—	—	0.02	1.090	1.434	—
	WCDMA V	—	—	—	—	RMC 12.2Kbps	Back	0mm	Ant 0	DSI 6	4182	836.4	1	23.72	24.00	1.067	—	—	0.04	1.160	1.237	—
	FR1 n5	20M	QPSK	1	1	DFT-15	Back	0mm	Ant 1	DSI 6	167300	836.5	1	22.58	24.00	1.387	—	—	0.06	0.890	1.234	—
79	FR1 n5	20M	QPSK	1	1	DFT-15	Top Side	0mm	Ant 1	DSI 6	167300	836.5	1	22.58	24.00	1.387	—	—	0.04	2.120	<b>2.840</b>	—
	FR1 n5	20M	QPSK	50	28	DFT-15	Top Side	0mm	Ant 1	DSI 6	167300	836.5	1	22.59	24.00	1.413	—	—	0.04	2.030	2.867	—
	FR1 n5	20M	QPSK	100	0	DFT-15	Top Side	0mm	Ant 1	DSI 6	167300	836.5	1	21.68	23.00	1.355	—	—	0.04	1.950	2.643	—
Simultaneous	FR1 n5	20M	QPSK	1	1	DFT-15	Top Side	0mm	Ant 1	DSI 6	167300	836.5	1	21.22	22.70	1.406	—	—	-0.05	1.280	1.900	—
	GSM850	—	—	—	—	GPRS (3 Tx slots)	Back	0mm	Ant 1	DSI 6	189	836.4	1	29.13	30.90	1.503	—	—	0.09	0.813	1.222	—
	GSM850	—	—	—	—	GPRS (3 Tx slots)	Top Side	0mm	Ant 1	DSI 6	189	836.4	1	29.13	30.90	1.503	—	—	-0.01	1.210	1.819	—
	GSM850	—	—	—	—	GPRS (3 Tx slots)	Back	12mm	Ant 1	DSI 4	189	836.4	1	29.13	30.90	1.503	—	—	0.04	0.263	0.395	—
	GSM850	—	—	—	—	GPRS (3 Tx slots)	Top Side	9mm	Ant 1	DSI 4	189	836.4	1	29.13	30.90	1.503	—	—	0.04	0.282	0.424	—
	WCDMA V	—	—	—	—	RMC 12.2Kbps	Back	0mm	Ant 1	DSI 6	4182	836.4	1	22.75	23.90	1.303	—	—	0.01	0.967	1.260	—
	WCDMA V	—	—	—	—	RMC 12.2Kbps	Top Side	0mm	Ant 1	DSI 6	4182	836.4	1	22.75	23.90	1.303	—	—	0.02	2.270	2.958	—
80	WCDMA V	—	—	—	—	RMC 12.2Kbps	Top Side	0mm	Ant 1	DSI 6	4132	826.4	1	22.73	23.90	1.309	—	—	-0.06	2.360	<b>3.090</b>	1
Repeated	WCDMA V	—	—	—	—	RMC 12.2Kbps	Top Side	0mm	Ant 1	DSI 6	4132	826.4	1	22.73	23.90	1.309	—	—	0.03	2.280	2.985	1.035
	WCDMA V	—	—	—	—	RMC 12.2Kbps	Top Side	0mm	Ant 1	DSI 6	4233	846.6	1	22.63	23.90	1.340	—	—	0.01	2.180	2.920	—
Simultaneous	WCDMA V	—	—	—	—	RMC 12.2Kbps	Top Side	0mm	Ant 1	DSI 6	4132	826.4	1	21.07	22.40	1.358	—	—	-0.06	1.720	2.336	—
	WCDMA V	—	—	—	—	RMC 12.2Kbps	Back	12mm	Ant 1	DSI 4	4132	826.4	1	22.70	24.00	1.349	—	—	0.06	0.246	0.332	—
	WCDMA V	—	—	—	—	RMC 12.2Kbps	Top Side	9mm	Ant 1	DSI 4	4132	826.4	1	22.70	24.00	1.349	—	—	0.01	0.327	0.441	—
	WCDMA V	—	—	—	—	RMC 12.2Kbps	Top Side	0mm	Ant 1	DSI 6	4132	826.4	2	22.73	23.90	1.309	—	—	-0.06	1.840	2.409	—
	LTE Band 26	15M	QPSK	1	0	—	Back	0mm	Ant 1	DSI 6	28865	831.5	1	22.47	23.70	1.327	—	—	0.1	1.120	1.487	—
81	LTE Band 26	15M	QPSK	1	0	—	Top Side	0mm	Ant 1	DSI 6	28865	831.5	1	22.47	23.70	1.327	—	—	0.06	2.330	<b>3.083</b>	—
	LTE Band 26	15M	QPSK	36	0	—	Top Side	0mm	Ant 1	DSI 6	28865	831.5	1	21.42	22.70	1.343	—	—	0.03	2.100	2.520	—
	LTE Band 26	15M	QPSK	75	0	—	Top Side	0mm	Ant 1	DSI 6	28865	831.5	1	21.38	22.70	1.355	—	—	0.02	2.080	2.619	—
Simultaneous	LTE Band 26	15M	QPSK	1	0	—	Top Side	0mm	Ant 1	DSI 6	28865	831.5	1	20.59	22.20	1.449	—	—	0.05	1.640	2.376	—
	LTE Band 26	15M	QPSK	1	0	—	Back	12mm	Ant 1	DSI 4	28865	831.5	1	22.47	24.00	1.422	—	—	0.04	0.212	0.302	—
	LTE Band 26	15M	QPSK	1	0	—	Top Side	9mm	Ant 1	DSI 4	28865	831.5	1	22.47	24.00	1.422	—	—	0.04	0.288	0.410	—



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)	Sample	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
<b>1750MHz</b>																						
	WCDMA IV					RMC 12.2Kbps	Front	0mm	Ant 0	DSI 6	1413	1732.6	1	17.77	19.20	1.390			0.02	1.420	1.974	—
	WCDMA IV					RMC 12.2Kbps	Back	0mm	Ant 0	DSI 6	1413	1732.6	1	17.77	19.20	1.390			0.01	1.530	2.127	—
	WCDMA IV					RMC 12.2Kbps	Back	0mm	Ant 0	DSI 6	1312	1712.4	1	17.65	19.20	1.429			0.03	1.590	2.272	—
	WCDMA IV					RMC 12.2Kbps	Back	0mm	Ant 0	DSI 6	1513	1752.6	1	17.69	19.20	1.416			0.06	1.470	2.081	—
	WCDMA IV					RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI 6	1413	1732.6	1	17.77	19.20	1.390			0.01	2.090	2.905	—
	WCDMA IV					RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI 6	1312	1712.4	1	17.65	19.20	1.429			0.03	2.080	2.972	—
	WCDMA IV					RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI 6	1513	1752.6	1	17.69	19.20	1.416			0.06	2.180	3.086	—
82	WCDMA IV					RMC 12.2Kbps	Bottom Side	0mm	Ant 0	DSI 6	1513	1752.6	1	16.11	17.70	1.442			0.07	1.780	2.567	—
Simultaneous	WCDMA IV					RMC 12.2Kbps	Front	7mm	Ant 0	DSI 4	1413	1732.6	1	23.06	24.00	1.242			0.04	1.290	1.602	—
	WCDMA IV					RMC 12.2Kbps	Back	10mm	Ant 0	DSI 4	1312	1712.4	1	23.06	24.00	1.242			0.04	1.100	1.366	—
	WCDMA IV					RMC 12.2Kbps	Bottom Side	10mm	Ant 0	DSI 4	1513	1752.6	1	23.06	24.00	1.242			0.02	1.520	1.887	—
	LTE Band 66	20M	QPSK	1	0		Front	0mm	Ant 0	DSI 6	132322	1745	1	17.87	19.40	1.422			-0.06	1.110	1.579	—
	LTE Band 66	20M	QPSK	50	0		Front	0mm	Ant 0	DSI 6	132322	1745	1	17.70	19.40	1.479			0.06	0.903	1.336	—
	LTE Band 66	20M	QPSK	1	0		Back	0mm	Ant 0	DSI 6	132322	1745	1	17.87	19.40	1.422			-0.05	1.258	1.789	—
	LTE Band 66	20M	QPSK	50	0		Back	0mm	Ant 0	DSI 6	132322	1745	1	17.70	19.40	1.479			0.03	0.944	1.396	—
	LTE Band 66	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	DSI 6	132322	1745	1	17.87	19.40	1.422			0.02	2.000	2.845	—
	LTE Band 66	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	DSI 6	132072	1720	1	17.77	19.40	1.455			0.03	1.980	2.882	—
	LTE Band 66	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	DSI 6	132572	1770	1	17.63	19.40	1.503			-0.02	2.090	3.142	—
	LTE Band 66	20M	QPSK	50	0		Bottom Side	0mm	Ant 0	DSI 6	132322	1745	1	17.70	19.40	1.479			0.02	1.740	2.574	—
	LTE Band 66	20M	QPSK	50	0		Bottom Side	0mm	Ant 0	DSI 6	132072	1720	1	17.57	19.40	1.524			0.03	1.710	2.606	—
	LTE Band 66	20M	QPSK	50	0		Bottom Side	0mm	Ant 0	DSI 6	132572	1770	1	17.59	19.40	1.517			0.04	1.770	2.685	—
	LTE Band 66	20M	QPSK	100	0		Bottom Side	0mm	Ant 0	DSI 6	132322	1745	1	17.59	19.40	1.517			0.06	1.610	2.442	—
Simultaneous	LTE Band 66	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	DSI 6	132572	1770	1	16.23	17.90	1.469			0.03	1.710	2.512	—
	LTE Band 66	20M	QPSK	1	0		Front	7mm	Ant 0	DSI 4	132572	1770	1	22.58	24.00	1.387			0.05	1.380	1.914	—
	LTE Band 66	20M	QPSK	1	0		Back	10mm	Ant 0	DSI 4	132572	1770	1	22.58	24.00	1.387			0.1	1.170	1.623	—
	LTE Band 66	20M	QPSK	1	0		Bottom Side	10mm	Ant 0	DSI 4	132572	1770	1	22.58	24.00	1.387			0.03	1.760	2.441	—
	LTE Band 66	20M	QPSK	1	0		Bottom Side	0mm	Ant 0	DSI 6	132572	1770	2	17.63	19.40	1.503			0.06	1.160	1.744	—
	FR1 n66	40M	QPSK	1	1	DFT-15	Front	0mm	Ant 0	DSI 6	349000	1745	1	18.37	19.10	1.183			0.03	1.540	1.822	—
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	0mm	Ant 0	DSI 6	349000	1745	1	18.27	19.10	1.211			0.05	1.750	2.119	—
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	0mm	Ant 0	DSI 6	346000	1730	1	18.26	19.10	1.213			0.07	1.610	1.954	—
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	0mm	Ant 0	DSI 6	352000	1760	1	18.12	19.10	1.253			-0.03	1.530	1.917	—
	FR1 n66	40M	QPSK	216	0	DFT-15	Front	0mm	Ant 0	DSI 6	349000	1745	1	18.22	19.10	1.225			0.06	1.520	1.861	—
	FR1 n66	40M	QPSK	1	1	DFT-15	Back	0mm	Ant 0	DSI 6	346000	1730	1	18.37	19.10	1.183			-0.05	1.558	1.981	—
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	0mm	Ant 0	DSI 6	349000	1745	1	18.27	19.10	1.211			0.02	1.710	2.070	—
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	0mm	Ant 0	DSI 6	346000	1730	1	18.26	19.10	1.213			0.06	1.690	2.051	—
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	0mm	Ant 0	DSI 6	352000	1760	1	18.12	19.10	1.253			-0.04	1.730	2.108	—
	FR1 n66	40M	QPSK	216	0	DFT-15	Back	0mm	Ant 0	DSI 6	349000	1745	1	18.22	19.10	1.225			0.02	1.705	2.089	—
	FR1 n66	40M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 0	DSI 6	349000	1745	1	18.37	19.10	1.183			-0.06	2.390	2.827	—
	FR1 n66	40M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 0	DSI 6	346000	1730	1	18.33	19.10	1.194			0.06	2.170	2.591	—
	FR1 n66	40M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 0	DSI 6	352000	1760	1	18.16	19.10	1.242			-0.05	2.340	2.905	—
	FR1 n66	40M	QPSK	108	54	DFT-15	Bottom Side	0mm	Ant 0	DSI 6	349000	1745	1	18.27	19.10	1.211			-0.06	2.440	2.954	—
	FR1 n66	40M	QPSK	108	54	DFT-15	Bottom Side	0mm	Ant 0	DSI 6	346000	1730	1	18.26	19.10	1.213			0.05	2.220	2.694	—
83	FR1 n66	40M	QPSK	108	54	DFT-15	Bottom Side	0mm	Ant 0	DSI 6	352000	1760	1	18.12	19.10	1.253			0.02	2.490	3.120	—
	FR1 n66	40M	QPSK	216	0	DFT-15	Bottom Side	0mm	Ant 0	DSI 6	349000	1745	1	18.22	19.10	1.225			0.06	1.980	2.425	—
Simultaneous	FR1 n66	40M	QPSK	108	54	DFT-15	Bottom Side	0mm	Ant 0	DSI 6	352000	1760	1	16.79	17.60	1.205			-0.04	1.720	2.073	—
	FR1 n66	40M	QPSK	108	54	DFT-15	Front	7mm	Ant 0	DSI 4	349000	1745	1	22.20	24.00	1.514			0.01	0.963	1.458	—
	FR1 n66	40M	QPSK	108	54	DFT-15	Back	10mm	Ant 0	DSI 4	352000	1760	1	22.09	24.00	1.552			0.02	0.793	1.231	—
	FR1 n66	40M	QPSK	108	54	DFT-15	Bottom Side	10mm	Ant 0	DSI 4	352000	1760	1	22.09	24.00	1.552			0.06	1.160	1.801	—
	LTE Band 66	20M	QPSK	1	0		Front	0mm	Ant 1	DSI 6	132322	1745	1	20.99	21.90	1.233			0.02	1.730	2.133	—
	LTE Band 66	20M	QPSK	1	0		Front	0mm	Ant 1	DSI 6	132072	1720	1	20.95	21.90	1.245			-0.06	1.680	2.091	—
	LTE Band 66	20M	QPSK	1	0		Front	0mm	Ant 1	DSI 6	132572	1770	1	20.92	21.90	1.253			0.07	1.720	2.155	—
	LTE Band 66	20M	QPSK	50	0		Front	0mm	Ant 1	DSI 6	132322	1745	1	20.90	21.90	1.259			-0.03	1.520	1.914	—
	LTE Band 66	20M	QPSK	100	0		Front	0mm	Ant 1	DSI 6	132322	1745	1	20.84	21.90	1.276			0.02	1.510	1.927	—
	LTE Band 66	20M	QPSK	1	0		Back	0mm	Ant 1	DSI 6	132322	1745	1	20.99	21.90	1.233			-0.06	2.060	2.540	—
	LTE Band 66	20M	QPSK	1	0		Back	0mm	Ant 1	DSI 6	132072	1720	1	20.95	21.90	1.245			0.06	1.950	2.427	—
	LTE Band 66	20M	QPSK	1	0		Back	0mm	Ant 1	DSI 6	132572	1770	1	20.92	21.90	1.253			-0.05	2.190	2.744	—
	LTE Band 66	20M	QPSK	50	0		Back	0mm	Ant 1	DSI 6	132322	1745	1	20.90	21.90	1.259			-0.06	1.760	2.216	—
	LTE Band 66	20M	QPSK	50	0		Back	0mm	Ant 1	DSI 6	132072	1720	1	20.88	21.90	1.265			-0.03	1.700	2.150	—
	LTE Band 66	20M	QPSK	50	0		Back	0mm	Ant 1	DSI 6	132572	1770	1	20.83	21.90	1.279			0.02	1.670	2.137	—
	LTE Band 66	20M	QPSK	100	0		Back	0mm	Ant 1	DSI 6	132322	1745	1	20.84	21.90	1.276			-0.06	1.700	2.170	—
	LTE Band 66	20M	QPSK	1	0		Top Side	0mm	Ant 1	DSI 6	132322	1745	1	20.99	21.90	1.233			0.06	2.350	2.988	—
	LTE Band 66	20M	QPSK	1	0		Top Side	0mm	Ant 1	DSI 6	132072	1720	1	20.95	21.90	1.245			-0.06	1.980	2.464	—
84	LTE Band 66	20M	QPSK	1	0		Top Side	0mm	Ant 1	DSI 6	132572	1770	1	20.92	21.90	1.253			-0.04	2.510	3.145	1
Repeated	LTE Band 66	20M	QPSK	1	0		Top Side	0mm	Ant 1	DSI 6	132572	1770	1	20.92	21.90	1.253			0.01	2.470	3.095	1.016
	LTE Band 66	20M	QPSK	50	0		Top Side	0mm	Ant 1	DSI 6	132322	1745	1	20.90	21.90	1.259			-0.06	2.100	2.644	—
	LTE Band 66	20M	QPSK	50	0		Top Side	0mm	Ant 1	DSI 6	132072	1720	1									





SAR Test Record

Product Specific 10g SAR Test

Table with columns: Plot No., Band, BW (MHz), Modulation, RB Size, RB offset, Mode, Test Position, Gap (mm), Antenna, Power State, Ch., Freq. (MHz), Sample, 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. Includes rows for GSM1900, WCDMA II, LTE Band 2, and FR1 n2 across various test conditions.



# 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)	Sample	Average Power (dBm)	Time-Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power DFT (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)	Ratio
2600MHz																						
	LTE Band 7	20M	QPSK	1	0	—	Front	0mm	Ant 0	DSI 6	21100	2535	1	20.85	21.30	1.109			-0.03	1.870	2.074	—
	LTE Band 7	20M	QPSK	1	0	—	Front	0mm	Ant 0	DSI 6	20850	2510	1	20.64	21.30	1.164			-0.03	1.880	2.189	—
	LTE Band 7	20M	QPSK	1	0	—	Front	0mm	Ant 0	DSI 6	21350	2560	1	20.60	21.30	1.175			-0.06	1.690	1.986	—
	LTE Band 7	20M	QPSK	50	0	—	Front	0mm	Ant 0	DSI 6	21100	2535	1	20.75	21.30	1.135			-0.03	1.520	1.725	—
	LTE Band 7	20M	QPSK	100	0	—	Front	0mm	Ant 0	DSI 6	21100	2535	1	20.71	21.30	1.146			-0.03	1.500	1.718	—
	LTE Band 7	20M	QPSK	1	0	—	Back	0mm	Ant 0	DSI 6	21100	2535	1	20.85	21.30	1.109			-0.06	2.500	2.773	—
	LTE Band 7	20M	QPSK	1	0	—	Back	0mm	Ant 0	DSI 6	20850	2510	1	20.64	21.30	1.164			0.06	2.500	2.910	—
	LTE Band 7	20M	QPSK	1	0	—	Back	0mm	Ant 0	DSI 6	21350	2560	1	20.60	21.30	1.175			0.03	2.630	3.090	1
Repeated	LTE Band 7	20M	QPSK	1	0	—	Back	0mm	Ant 0	DSI 6	21350	2560	1	20.60	21.30	1.175			0.06	2.540	2.984	1.035
UL CA	LTE Band 7	20M	QPSK	1	99	—	Back	0mm	Ant 0	DSI 6	21100+21298	2535+2554.8	1	20.45	21.30	1.216			0.02	2.510	3.053	—
	LTE Band 7	20M	QPSK	50	0	—	Back	0mm	Ant 0	DSI 6	21100	2535	1	20.75	21.30	1.135			-0.03	2.110	2.396	—
	LTE Band 7	20M	QPSK	50	0	—	Back	0mm	Ant 0	DSI 6	20850	2510	1	20.53	21.30	1.194			-0.06	2.060	2.460	—
	LTE Band 7	20M	QPSK	50	0	—	Back	0mm	Ant 0	DSI 6	21350	2560	1	20.56	21.30	1.186			0.06	2.130	2.526	—
	LTE Band 7	20M	QPSK	100	0	—	Back	0mm	Ant 0	DSI 6	21100	2535	1	20.71	21.30	1.146			-0.06	2.120	2.428	—
	LTE Band 7	20M	QPSK	1	0	—	Bottom Side	0mm	Ant 0	DSI 6	21100	2535	1	20.85	21.30	1.109			-0.03	1.870	2.074	—
	LTE Band 7	20M	QPSK	1	0	—	Bottom Side	0mm	Ant 0	DSI 6	20850	2510	1	20.64	21.30	1.164			-0.03	2.080	2.421	—
	LTE Band 7	20M	QPSK	1	0	—	Bottom Side	0mm	Ant 0	DSI 6	21350	2560	1	20.60	21.30	1.175			-0.06	1.770	2.080	—
	LTE Band 7	20M	QPSK	50	0	—	Bottom Side	0mm	Ant 0	DSI 6	21100	2535	1	20.75	21.30	1.135			-0.03	1.720	1.952	—
	LTE Band 7	20M	QPSK	100	0	—	Bottom Side	0mm	Ant 0	DSI 6	21100	2535	1	20.71	21.30	1.146			-0.02	1.700	1.947	—
Simultaneous	LTE Band 7	20M	QPSK	1	0	—	Back	0mm	Ant 0	DSI 6	21350	2560	1	19.02	19.80	1.197			0.03	1.830	2.190	—
UL CA	LTE Band 7	20M	QPSK	1	99	—	Back	0mm	Ant 0	DSI 6	21100+21298	2535+2554.8	1	18.94	19.80	1.219			0.01	1.740	2.121	—
	LTE Band 7	20M	QPSK	1	0	—	Front	7mm	Ant 0	DSI 4	20850	2510	1	22.75	24.00	1.334			-0.03	0.801	1.068	—
	LTE Band 7	20M	QPSK	1	0	—	Back	10mm	Ant 0	DSI 4	21350	2560	1	22.80	24.00	1.318			0.02	0.543	0.716	—
	LTE Band 7	20M	QPSK	1	0	—	Bottom Side	10mm	Ant 0	DSI 4	20850	2510	1	22.75	24.00	1.334			-0.06	1.270	1.694	—
	FR1 n7	40M	QPSK	1	1	DFT-15	Front	0mm	Ant 0	DSI 6	507000	2535	1	21.10	22.20	1.288			-0.03	1.060	1.366	—
	FR1 n7	40M	QPSK	108	54	DFT-15	Front	0mm	Ant 0	DSI 6	507000	2535	1	21.02	22.20	1.312			-0.03	1.250	1.640	—
	FR1 n7	40M	QPSK	1	1	DFT-15	Back	0mm	Ant 0	DSI 6	507000	2535	1	21.10	22.20	1.288			0.06	2.160	2.783	—
	FR1 n7	40M	QPSK	1	1	DFT-15	Back	0mm	Ant 0	DSI 6	504000	2520	1	20.97	22.20	1.327			0.04	2.200	2.920	—
	FR1 n7	40M	QPSK	1	1	DFT-15	Back	0mm	Ant 0	DSI 6	510000	2550	1	20.90	22.20	1.349			0.09	1.950	2.630	—
	FR1 n7	40M	QPSK	108	54	DFT-15	Back	0mm	Ant 0	DSI 6	507000	2535	1	21.02	22.20	1.312			-0.03	2.180	2.861	—
89	FR1 n7	40M	QPSK	108	54	DFT-15	Back	0mm	Ant 0	DSI 6	504000	2520	1	20.90	22.20	1.349			-0.06	2.310	3.116	—
	FR1 n7	40M	QPSK	108	54	DFT-15	Back	0mm	Ant 0	DSI 6	510000	2550	1	20.94	22.20	1.337			0.06	2.070	2.767	—
	FR1 n7	40M	QPSK	216	0	DFT-15	Back	0mm	Ant 0	DSI 6	507000	2535	1	20.85	22.20	1.365			-0.06	2.250	3.070	—
	FR1 n7	40M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 0	DSI 6	507000	2535	1	21.10	22.20	1.288			-0.03	1.730	2.229	—
	FR1 n7	40M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 0	DSI 6	504000	2520	1	20.97	22.20	1.327			-0.03	1.740	2.310	—
	FR1 n7	40M	QPSK	1	1	DFT-15	Bottom Side	0mm	Ant 0	DSI 6	510000	2550	1	20.90	22.20	1.349			-0.06	1.850	2.496	—
	FR1 n7	40M	QPSK	108	54	DFT-15	Bottom Side	0mm	Ant 0	DSI 6	507000	2535	1	21.02	22.20	1.312			-0.03	1.880	2.467	—
	FR1 n7	40M	QPSK	108	54	DFT-15	Bottom Side	0mm	Ant 0	DSI 6	504000	2520	1	20.90	22.20	1.349			0.02	1.840	2.482	—
	FR1 n7	40M	QPSK	108	54	DFT-15	Bottom Side	0mm	Ant 0	DSI 6	510000	2550	1	20.94	22.20	1.337			-0.06	1.640	2.192	—
	FR1 n7	40M	QPSK	216	0	DFT-15	Bottom Side	0mm	Ant 0	DSI 6	507000	2535	1	20.85	22.20	1.365			0.02	1.800	2.456	—
Simultaneous	FR1 n7	40M	QPSK	108	54	DFT-15	Back	0mm	Ant 0	DSI 6	504000	2520	1	19.47	20.70	1.327			-0.06	1.400	1.858	—
	FR1 n7	40M	QPSK	1	1	DFT-15	Front	7mm	Ant 0	DSI 4	504000	2520	1	23.18	24.00	1.208			-0.06	0.714	0.862	—
	FR1 n7	40M	QPSK	108	54	DFT-15	Back	10mm	Ant 0	DSI 4	504000	2520	1	23.14	24.00	1.219			-0.03	0.566	0.690	—
	FR1 n7	40M	QPSK	108	54	DFT-15	Bottom Side	10mm	Ant 0	DSI 4	504000	2520	1	23.14	24.00	1.219			0.02	1.110	1.353	—
	FR1 n7	40M	QPSK	108	54	DFT-15	Back	0mm	Ant 0	DSI 6	504000	2520	2	20.90	22.20	1.349			0.06	1.530	2.064	—
	LTE Band 41	20M	QPSK	1	0	—	Front	0mm	Ant 0	DSI 6	40620	2593	1	22.52	23.50	1.253	62.9	1.006	-0.03	1.370	1.727	—
	LTE Band 41	20M	QPSK	50	0	—	Front	0mm	Ant 0	DSI 6	40620	2593	1	21.62	23.00	1.374	62.9	1.006	0.04	1.060	1.465	—
90	LTE Band 41	20M	QPSK	1	0	—	Back	0mm	Ant 0	DSI 6	40620	2593	1	22.52	23.50	1.253	62.9	1.006	0.02	1.980	2.496	—
	LTE Band 41	20M	QPSK	1	0	—	Back	0mm	Ant 0	DSI 6	39750	2506	1	22.36	23.50	1.300	62.9	1.006	-0.05	1.840	2.407	—
	LTE Band 41	20M	QPSK	1	0	—	Back	0mm	Ant 0	DSI 6	40185	2549.5	1	22.43	23.50	1.279	62.9	1.006	0.06	1.860	2.394	—
	LTE Band 41	20M	QPSK	1	0	—	Back	0mm	Ant 0	DSI 6	41055	2636.5	1	22.43	23.50	1.279	62.9	1.006	-0.06	1.790	2.304	—
	LTE Band 41	20M	QPSK	1	0	—	Back	0mm	Ant 0	DSI 6	41490	2680	1	22.39	23.50	1.291	62.9	1.006	0.06	1.690	2.195	—
	LTE Band 41	20M	QPSK	50	0	—	Back	0mm	Ant 0	DSI 6	40620	2593	1	21.62	23.00	1.374	62.9	1.006	-0.06	1.740	2.405	—
	LTE Band 41	20M	QPSK	50	0	—	Back	0mm	Ant 0	DSI 6	39750	2506	1	21.46	23.00	1.426	62.9	1.006	0.03	1.710	2.452	—
	LTE Band 41	20M	QPSK	50	0	—	Back	0mm	Ant 0	DSI 6	40185	2549.5	1	21.37	23.00	1.455	62.9	1.006	0.06	1.650	2.416	—
	LTE Band 41	20M	QPSK	50	0	—	Back	0mm	Ant 0	DSI 6	41055	2636.5	1	21.38	23.00	1.452	62.9	1.006	0.08	1.730	2.527	—
	LTE Band 41	20M	QPSK	50	0	—	Back	0mm	Ant 0	DSI 6	41490	2680	1	21.49	23.00	1.416	62.9	1.006	-0.12	1.650	2.350	—
	LTE Band 41	20M	QPSK	100	0	—	Back	0mm	Ant 0	DSI 6	40620	2593	1	21.56	23.00	1.393	62.9	1.006	0.03	1.440	2.016	—
	LTE Band 41	20M	QPSK	1	0	—	Bottom Side	0mm	Ant 0	DSI 6	40620	2593	1	22.52	23.50	1.253	62.9	1.006	0.04	1.750	2.206	—
	LTE Band 41	20M	QPSK	1	0	—	Bottom Side	0mm	Ant 0	DSI 6	39750	2506	1	22.36	23.50	1.300	62.9	1.006	0.03	1.680	2.197	—
	LTE Band 41	20M	QPSK	1	0	—	Bottom Side	0mm	Ant 0	DSI 6	40185	2549.5	1	22.43	23.50	1.279	62.9	1.006	0.04	1.720	2.214	—
	LTE Band 41	20M	QPSK	1	0	—	Bottom Side	0mm	Ant 0	DSI 6	41055	2636.5	1	22.43	23.50	1.279	62.9	1.006	0.05	1.660	2.137	—
	LTE Band 41	20M	QPSK	1	0	—	Bottom Side	0mm	Ant 0	DSI 6	41490	2680	1	22.39	23.50	1.291	62.9	1.006	0.09	1.620	2.104	—
	LTE Band 41	20M	QPSK	50	0	—	Bottom Side	0mm	Ant 0	DSI 6	40620	2593	1	21.62	23.00	1.374	62.9	1.006	0.04	1.420	1.963	—
	LTE Band 41	20M	QPSK	100	0	—	Bottom Side	0mm	Ant 0	DSI 6	40620	2593	1	21.56	22.50							



SAR Test Record

Product Specific 10g SAR Test

Table with columns: Plot No., Band, BW (MHz), Modulation, RB Size, RB offset, Mode, Test Position, Gap (mm), Antenna, Power State, Ch., Freq. (MHz), Sample, 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. The table is divided into sections for 3500MHz and WLAN.

<b>LTE Band 41(HPUE) Ant 0-Linearity Data for Head</b>		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	24.00	27.00
Reported 1g SAR (W/kg)	0.133	0.175
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	159.00	217.01
Linearity SAR (W/kg)	0.182	
% deviation from expected linearity		-3.59%

<b>LTE Band 41(HPUE) Ant 0-Linearity Data for Hotspot</b>		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	17.90	19.50
Reported 1g SAR (W/kg)	0.825	0.890
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	39.03	38.59
Linearity SAR (W/kg)	0.816	
% deviation from expected linearity		9.11%

<b>LTE Band 41(HPUE) Ant 0-Linearity Data for Body-worn</b>		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	21.20	22.70
Reported 1g SAR (W/kg)	1.276	1.255
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	83.45	80.63
Linearity SAR (W/kg)	1.233	
% deviation from expected linearity		1.79%

<b>LTE Band 41(HPUE) Ant 0-Linearity Data for Extremity SAR</b>		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	23.50	25.10
Reported 10g SAR (W/kg)	2.496	2.450
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	141.71	140.12
Linearity SAR (W/kg)	2.468	
% deviation from expected linearity		-0.73%