

Appendix G. Supplemental SAR Tests Results

SAR test result

1. The test data is selected according to the worst case SAR configuration per cellular technology.
2. The test data is to demonstrate the device is in compliance with FCC requirements at 25mm when all power reduction mechanisms are OFF. The worst case body SAR at 10mm was used for simultaneous transmission SAR analysis since they are more conservative than the 25mm SAR.

Close Mode

Band	Mode	Test Position	Gap (mm)	Antenna	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)
GSM1900_Ant 2	GPRS (4 Tx slots)	Bottom Edge	25mm	-	661	1880	26.43	27.50	1.279	-	-	0.02	0.537	0.687
WCDMA II_Ant 2	RMC 12.2Kbps	Bottom Edge	25mm	-	9538	1907.6	23.94	25.00	1.276	-	-	-0.05	0.624	0.796
LTE Band 25_Ant 2	20M/QPSK/1/0	Bottom Edge	25mm	-	26340	1880	23.98	25.00	1.265	-	-	0.06	0.607	0.768
FR1 n25_Ant 2	40M/BPSK/1/1	Bottom Edge	25mm	-	376500	1882.5	23.70	25.00	1.349	-	-	0.01	0.548	0.739
WLAN2.4GHz	802.11b 1Mbps	Top Edge	25mm	Ant 4+3(4)	11	2462	22.98	23.00	1.005	-	-	0.04	0.413	0.415
WLAN6GHz	802.11a 6Mbps	Top Edge	25mm	Ant 4+3(4)	1	5955	21.00	21.00	1.000	99.51	1.005	0.1	0.198	0.199
Bluetooth	1Mbps	Top Edge	25mm	Ant 4+3(4)	78	2480	19.51	20.50	1.256	77.07	1.081	-0.05	0.203	0.276

Open Mode

Band	Mode	Test Position	Gap (mm)	Antenna	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)
GSM1900_Ant 2	GPRS (4 Tx slots)	Bottom Edge	25mm	-	661	1880	26.43	27.50	1.279	-	-	-0.09	0.507	0.648
WCDMA II_Ant 2	RMC 12.2Kbps	Bottom Edge	25mm	-	9538	1907.6	23.94	25.00	1.276	-	-	-0.04	0.622	0.794
LTE Band 25_Ant 2	20M/QPSK/1/0	Bottom Edge	25mm	-	26340	1880	23.98	25.00	1.265	-	-	0.04	0.503	0.636
FR1 n25_Ant 2	40M/BPSK/1/1	Bottom Edge	25mm	-	376500	1882.5	23.70	25.00	1.349	-	-	0.02	0.502	0.677
WLAN2.4GHz	802.11b 1Mbps	Top Edge	25mm	Ant 4+3(4)	11	2462	22.98	23.00	1.005	100	1.000	-0.04	0.304	0.306
WLAN6GHz	802.11a 6Mbps	Back	25mm	Ant 4+3(4)	57	6235	20.95	21.00	1.012	99.51	1.005	0.03	0.376	0.382
Bluetooth	1Mbps	Top Edge	25mm	Ant 4+3(4)	78	2480	19.51	20.50	1.256	77.07	1.081	0.01	0.138	0.187