



Appendix E. Supplementary SAR Test Result



FCC SAR Test Report

Per direction of the FCC, the SAR test data shown as below is being provided to demonstrate the device's effective utilization of power reduction conditions specified in "Operational Description". The SAR values exceeding the ANSI SAR limit provided solely for the purpose of confirming compliant power reduction operation and do not represent maximum SAR values of the product. For maximum reported SAR compliance values, refer to the SAR values in section 1 of this report.

<CDMA2000 BC1>

Plot No.	Band	Mode	Test Position	Channel	Cutback Power (dBm)	SAR-1g (W/kg)
24	CDMA BC1	RC3+SO55	Right Cheek	25	0	0.621
12	CDMA BC1	RC3+SO55	Right Tilted	25	0	0.162
13	CDMA BC1	RC3+SO55	Left Cheek	25	0	0.33
14	CDMA BC1	RC3+SO55	Left Tilted	25	0	0.191
45	CDMA BC1	RC3+SO55	Right Cheek	25	-7.5	0.168
46	CDMA BC1	RC3+SO55	Right Tilted	25	-7.5	0.048
47	CDMA BC1	RC3+SO55	Left Cheek	25	-7.5	0.148
48	CDMA BC1	RC3+SO55	Left Tilted	25	-7.5	0.035

Plot No.	Band	Mode	Test Position	Separation Distance (cm)	Channel	Cutback Power (dBm)	SAR-1g (W/kg)
34	CDMA BC1	RC3+SO32	Front Face	1	25	-7.5	0.428
35	CDMA BC1	RC3+SO32	Rear Face	1	25	-7.5	0.525
20	CDMA BC1	RC3+SO32	Left Side	1	25	-7.5	0.017
21	CDMA BC1	RC3+SO32	Right Side	1	25	-7.5	0.095
22	CDMA BC1	RC3+SO32	Bottom Side	1	25	-7.5	1.04
37	CDMA BC1	RC3+SO32	Bottom Side	1	600	-7.5	1.12
38	CDMA BC1	RC3+SO32	Bottom Side	1	1175	-7.5	1.1
-	CDMA BC1	RC3+SO32	Bottom Side	1	600	0	3.42

<CDMA2000 BC15>

Plot No.	Band	Mode	Test Position	Channel	Cutback Power (dBm)	SAR-1g (W/kg)
25	CDMA BC15	RC3+SO55	Right Cheek	875	0	0.577
16	CDMA BC15	RC3+SO55	Right Tilted	875	0	0.285
17	CDMA BC15	RC3+SO55	Left Cheek	875	0	0.66
18	CDMA BC15	RC3+SO55	Left Tilted	875	0	0.327
49	CDMA BC15	RC3+SO55	Right Cheek	875	-7.5	0.221
50	CDMA BC15	RC3+SO55	Right Tilted	875	-7.5	0.048
51	CDMA BC15	RC3+SO55	Left Cheek	875	-7.5	0.146
52	CDMA BC15	RC3+SO55	Left Tilted	875	-7.5	0.051

Plot No.	Band	Mode	Test Position	Separation Distance (cm)	Channel	Cutback Power (dBm)	SAR-1g (W/kg)
23	CDMA BC15	RC3+SO32	Front Face	1	875	-7.5	0.581
36	CDMA BC15	RC3+SO32	Rear Face	1	875	-7.5	0.688
25	CDMA BC15	RC3+SO32	Left Side	1	875	-7.5	0.086
26	CDMA BC15	RC3+SO32	Right Side	1	875	-7.5	0.047
27	CDMA BC15	RC3+SO32	Bottom Side	1	875	-7.5	1.19
39	CDMA BC15	RC3+SO32	Bottom Side	1	25	-7.5	1.07
40	CDMA BC15	RC3+SO32	Bottom Side	1	425	-7.5	1.05
-	CDMA BC15	RC3+SO32	Bottom Side	1	875	0	4.7



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<LTE Band 2>

Plot No.	Band	Mode	Test Position	Channel	RB	RB Offset	Cutback Power (dBm)	SAR-1g (W/kg)
226	LTE 2	QPSK_10M	Right Cheek	19150	1	49	0	0.363
227	LTE 2	QPSK_10M	Right Tilted	19150	1	49	0	0.514
228	LTE 2	QPSK_10M	Left Cheek	19150	1	49	0	0.26
229	LTE 2	QPSK_10M	Left Tilted	19150	1	49	0	0.294
413	LTE 2	QPSK_10M	Right Cheek	19150	1	49	-5	0.197
414	LTE 2	QPSK_10M	Right Tilted	19150	1	49	-5	0.232
415	LTE 2	QPSK_10M	Left Cheek	19150	1	49	-5	0.209
416	LTE 2	QPSK_10M	Left Tilted	19150	1	49	-5	0.18

Plot No.	Band	Mode	Test Position	Separation Distance (cm)	Channel	RB	RB Offset	Cutback Power (dBm)	SAR-1g (W/kg)
399	LTE 2	QPSK_10M	Front Face	1	19150	1	49	-5	0.532
400	LTE 2	QPSK_10M	Rear Face	1	19150	1	49	-5	0.69
401	LTE 2	QPSK_10M	Right Side	1	19150	1	49	-5	0.142
402	LTE 2	QPSK_10M	Top Side	1	19150	1	49	-5	0.458
-	LTE 2	QPSK_10M	Rear Face	1	19150	1	49	0	1.98

<LTE Band 4>

Plot No.	Band	Mode	Test Position	Channel	RB	RB Offset	Cutback Power (dBm)	SAR-1g (W/kg)
209	LTE 4	QPSK_10M	Right Cheek	20000	1	49	0	0.690
210	LTE 4	QPSK_10M	Right Tilted	20000	1	49	0	0.532
211	LTE 4	QPSK_10M	Left Cheek	20000	1	49	0	0.365
212	LTE 4	QPSK_10M	Left Tilted	20000	1	49	0	0.428
409	LTE 4	QPSK_10M	Right Cheek	20000	1	49	-5	0.294
410	LTE 4	QPSK_10M	Right Tilted	20000	1	49	-5	0.427
411	LTE 4	QPSK_10M	Left Cheek	20000	1	49	-5	0.34
412	LTE 4	QPSK_10M	Left Tilted	20000	1	49	-5	0.413

Plot No.	Band	Mode	Test Position	Separation Distance (cm)	Channel	RB	RB Offset	Cutback Power (dBm)	SAR-1g (W/kg)
384	LTE 4	QPSK_10M	Front Face	1	20000	1	49	-5	0.321
386	LTE 4	QPSK_10M	Rear Face	1	20000	1	49	-5	0.752
385	LTE 4	QPSK_10M	Right Side	1	20000	1	49	-5	0.103
387	LTE 4	QPSK_10M	Top Side	1	20000	1	49	-5	0.314
-	LTE 4	QPSK_10M	Rear Face	1	20000	1	49	0	2.78



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<LTE Band 5>

Plot No.	Band	Mode	Test Position	Channel	RB	RB Offset	Cutback Power (dBm)	SAR-1g (W/kg)
274	LTE 5	QPSK_10M	Right Cheek	20450	1	49	0	1.05
275	LTE 5	QPSK_10M	Right Tilted	20450	1	49	0	0.767
276	LTE 5	QPSK_10M	Left Cheek	20450	1	49	0	0.776
277	LTE 5	QPSK_10M	Left Tilted	20450	1	49	0	0.583
405	LTE 5	QPSK_10M	Right Cheek	20450	1	49	-5	0.409
406	LTE 5	QPSK_10M	Right Tilted	20450	1	49	-5	0.303
407	LTE 5	QPSK_10M	Left Cheek	20450	1	49	-5	0.282
408	LTE 5	QPSK_10M	Left Tilted	20450	1	49	-5	0.206

Plot No.	Band	Mode	Test Position	Separation Distance (cm)	Channel	RB	RB Offset	Cutback Power (dBm)	SAR-1g (W/kg)
370	LTE 5	QPSK_10M	Front Face	1	20450	1	49	-5	0.436
371	LTE 5	QPSK_10M	Rear Face	1	20450	1	49	-5	0.833
372	LTE 5	QPSK_10M	Left Side	1	20450	1	49	-5	0.123
373	LTE 5	QPSK_10M	Top Side	1	20450	1	49	-5	0.208
-	LTE 5	QPSK_10M	Rear Face	1	20450	1	49	0	2.81

<LTE Band 12>

Plot No.	Band	Mode	Test Position	Channel	RB	RB Offset	Cutback Power (dBm)	SAR-1g (W/kg)
254	LTE 12	QPSK_10M	Right Cheek	23130	1	0	0	0.548
255	LTE 12	QPSK_10M	Right Tilted	23130	1	0	0	0.205
256	LTE 12	QPSK_10M	Left Cheek	23130	1	0	0	0.582
257	LTE 12	QPSK_10M	Left Tilted	23130	1	0	0	0.352
401	LTE 12	QPSK_10M	Right Cheek	23130	1	0	-5	0.208
402	LTE 12	QPSK_10M	Right Tilted	23130	1	0	-5	0.146
403	LTE 12	QPSK_10M	Left Cheek	23130	1	0	-5	0.312
404	LTE 12	QPSK_10M	Left Tilted	23130	1	0	-5	0.158

Plot No.	Band	Mode	Test Position	Separation Distance (cm)	Channel	RB	RB Offset	Cutback Power (dBm)	SAR-1g (W/kg)
351	LTE 12	QPSK_10M	Front Face	1	23130	1	0	-5	0.269
352	LTE 12	QPSK_10M	Rear Face	1	23130	1	0	-5	0.78
353	LTE 12	QPSK_10M	Left Side	1	23130	1	0	-5	0.265
354	LTE 12	QPSK_10M	Bottom Side	1	23130	1	0	-5	0.292
-	LTE 12	QPSK_10M	Rear Face	1	23130	1	0	0	2.55



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<LTE Band 25>

Plot No.	Band	Mode	Test Position	Channel	RB	RB Offset	Cutback Power (dBm)	SAR-1g (W/kg)
242	LTE 25	QPSK_10M	Right Cheek	26365	1	49	0	0.415
243	LTE 25	QPSK_10M	Right Tilted	26365	1	49	0	0.624
244	LTE 25	QPSK_10M	Left Cheek	26365	1	49	0	0.465
245	LTE 25	QPSK_10M	Left Tilted	26365	1	49	0	0.486
417	LTE 25	QPSK_10M	Right Cheek	26365	1	49	-5	0.204
418	LTE 25	QPSK_10M	Right Tilted	26365	1	49	-5	0.322
419	LTE 25	QPSK_10M	Left Cheek	26365	1	49	-5	0.315
420	LTE 25	QPSK_10M	Left Tilted	26365	1	49	-5	0.293

Plot No.	Band	Mode	Test Position	Separation Distance (cm)	Channel	RB	RB Offset	Cutback Power (dBm)	SAR-1g (W/kg)
414	LTE 25	QPSK_10M	Front Face	1	26365	1	49	-5	0.577
415	LTE 25	QPSK_10M	Rear Face	1	26365	1	49	-5	0.800
416	LTE 25	QPSK_10M	Right Side	1	26365	1	49	-5	0.127
417	LTE 25	QPSK_10M	Top Side	1	26365	1	49	-5	0.499
-	LTE 25	QPSK_10M	Rear Face	1	26365	1	49	0	3.26

<WLAN>

Plot No.	Band	Test Position	Channel	Cutback Power (dBm)	SAR-1g (W/kg)
101	802.11b	Right Cheek	6	0	0.506
102	802.11b	Right Tilted	6	0	0.471
103	802.11b	Left Cheek	6	0	0.322
104	802.11b	Left Tilted	6	0	0.274
123	802.11b	Right Cheek	6	-5	0.109
119	802.11b	Right Tilted	6	-5	0.012
120	802.11b	Left Cheek	6	-5	0.102
121	802.11b	Left Tilted	6	-5	0.0000767