

Following the same procedure of SAR evaluation applied to MJ-i6B-1001, summary tables of MJ-SG7-S1001, MJ-SG7-E1001, and MJ-i7-I1001 are shown in Table 1, Table 2, and Table 3, respectively. The SAR for each testing condition has shown that the host phone itself without the case and the phone with the case attached are able to comply with the RF radiation exposure limits of FCC. The SAR results of the host phone are within 15% to those of the original phone. With the new models of 2AFV8 device attached, the SAR is within the limit and it may reduce the SAR of the original host phone (see the last column in each table). The presented data has concluded that the 2AFV8 devices with Class II permissive change still complies with the RF radiation exposure limits of FCC.

Table 1 SAR Testing Summary of MJ-SG7-S1001 (Host phone's FCC ID.: A3LSMG930US, ISED: 649E-SMG930W8)

Wireless Technology		Channel	Test Condition	Conducted Power		Measured SAR		Final SAR			
				Host-phone	Samsung report	Phone only	With Case	Samsung report	Host-phone only	Phone only, host phone to original phone (%)	With Case
Protocol	Band			Measured (dBm)	Reported (dBm)	SAR (W/Kg)	SAR (W/Kg)	SAR (W/Kg)	Scaled SAR (W/Kg)		Scaled SAR (W/Kg)
LTE	26 (BW=15 MHz)	26915	Right Cheek	24.35	25.00	0.218	0.029	0.227	0.25	11.54	0.034
		26915	Back Body	24.35	25.00	0.265	0.053	0.316	0.31	-2.60	0.061
	4 (BW=20 MHz)	20175	Left Cheek	23.10	25.00	0.0973	0.013	0.176	0.15	-14.38	0.021
		20175	Back Body	24.40	25.00	0.923	0.297	0.97	1.06	9.25	0.341
WCDMA	V	4183	Right Cheek	19.15	21.50	0.281	0.185	0.556	0.48	-13.18	0.318
		4183	Back Body	23.35	25.00	0.337	0.052	0.479	0.49	2.87	0.076
	IV	1412	Left Cheek	24.40	25.00	0.251	0.155	0.286	0.29	0.76	0.178
		1412	Back Body	24.40	25.00	0.842	0.193	0.859	0.97	12.54	0.222
GSM	850	190	Right Cheek	33.45	33.50	0.172	0.029	0.152	0.17	14.47	0.029
		190	Back Body	29.65	33.50	0.227	0.106	0.491	0.55	12.19	0.257
	1900	661	Right Cheek	29.30	30.50	0.097	0.019	0.112	0.13	14.17	0.025
		661	Back Body	29.30	30.50	0.27	0.061	0.406	0.36	-12.33	0.081
CDMA	BC0	384	Right Cheek	20.65	21.00	0.583	0.395	0.564	0.63	12.04	0.428
		384	Back Body	23.05	25.00	0.342	0.068	0.525	0.54	2.06	0.106
	BC1	600	Right Cheek	23.80	25.50	0.116	0.069	0.199	0.17	-13.78	0.101
		1175	Back Body	23.80	25.50	0.807	0.160	1.072	1.19	11.35	0.237

Table 2 SAR Testing Summary of MJ-SG7-E1001 (Host phone's FCC ID.: A3LSMG935US, ISED: 649E-SMG935W8)

Wireless Technology		Channel	Test Condition	Conducted Power		Measured SAR		Final SAR			
				Host-phone	Samsung report	Phone only	With Case	Samsung report	Host-phone only	Phone only, host phone to original phone (%)	With Case
Protocol	Band			Measured (dBm)	Reported (dBm)	SAR (W/Kg)	SAR (W/Kg)	SAR (W/Kg)	Scaled SAR (W/Kg)		Scaled SAR (W/Kg)
LTE	13 (BW=10 MHz)	23230	Left Cheek	18.25	19.00	0.507	0.039	0.601	0.603	0.26	0.047
		23230	Back Body	23.95	25.00	0.541	0.154	0.622	0.689	10.77	0.196
	4 (BW=20 MHz)	20175	Right Cheek	24.30	25.00	0.123	0.108	0.149	0.145	-3.01	0.127
		20175	Back Body	24.30	25.00	0.902	0.181	0.935	1.060	13.34	0.213
WCDMA	V	4183	Right Cheek	17.05	18.50	0.217	0.065	0.352	0.303	-13.92	0.090
		4183	Back Body (B)	24.25	24.50	0.318	0.090	0.294	0.337	14.57	0.095
	IV	1412	Left Cheek	22.90	24.50	0.0773	0.072	0.131	0.112	-14.71	0.104
		1412	Back Body	22.90	24.50	0.732	0.097	0.931	1.058	13.65	0.140
GSM	850	190	Right Cheek	32.95	33.50	0.2	0.064	0.203	0.227	11.82	0.072
		190	Back Body	32.95	33.50	0.357	0.077	0.356	0.405	13.82	0.087
	1900	661	Right Cheek	30.30	30.50	0.041	0.012	0.042	0.043	2.22	0.013
		661	Back Body	30.30	30.50	0.218	0.030	0.229	0.228	-0.32	0.031
CDMA	BC0	384	Right Cheek	18.55	20.5	0.345	0.089	0.509	0.541	6.19	0.140
		384	Back Body	24.05	25.00	0.297	0.095	0.39	0.370	-5.23	0.118
	BC1	600	Right Cheek	22.80	25.00	0.0684	0.033	0.1	0.114	13.52	0.054
		600	Back Body	22.80	25.00	0.307	0.121	0.534	0.509	-4.59	0.201

Table 3 SAR Testing Summary of MJ-i7-I1001 (Host phone's FCC ID.: BCG-E3085A, ISED: 579C-E3085A)

Wireless Technology		Channel	Test Condition	Conducted Power		Measured SAR		Final SAR			
Protocol	Band			Host-phone	Apple report	Phone only	With Case	Apple report	Host-phone only	Phone only, host phone to original phone (%)	With Case
				Measured (dBm)	LAT (dBm)	SAR (W/Kg)	SAR (W/Kg)	SAR (W/Kg)	Scaled SAR (W/Kg)		
LTE	13 (BW=10 MHz)	23230	Right Touch	22.60	24.50	0.181	0.085	0.312	0.28	-10.15	0.13
		23230	Front Body	22.60	24.50	0.36	0.260	0.604	0.56	-7.69	0.40
	4 (BW=20 MHz)	20300	Right Touch	22.30	24.50	0.541	0.390	0.870	0.90	3.20	0.65
		20300	Front Body	22.30	19.70	1.530	1.330	0.914	0.84	-8.01	0.73
WCDMA	V	4183	Left Touch	21.80	25.00	0.281	0.072	0.556	0.59	5.59	0.15
		4183	Front body	21.80	25.00	0.387	0.333	0.921	0.81	-12.21	0.70
	II	9400	Right Touch	24.90	25.20	0.939	0.624	0.984	1.01	2.25	0.67
		9400	Front body	24.90	19.50	2.39	1.710	0.792	0.69	-12.97	0.49
GSM	850	190	Left Touch	30.40	32.50	0.319	0.318	0.592	0.52	-12.61	0.52
		190	Front body	30.40	32.50	0.57	0.385	0.977	0.92	-5.38	0.62
	1900	661	Right Touch	26.80	29.50	0.318	0.209	0.553	0.59	7.08	0.39
		810	Front body	26.80	25.50	1.26	0.990	1.060	0.93	-11.88	0.73
CDMA	BC0	384	Left Touch	23.30	25.00	0.265	0.068	0.398	0.39	-1.52	0.10
		384	Front body	23.30	25.00	0.376	0.349	0.632	0.56	-12.00	0.52
	BC1	1175	Right Touch	23.40	25.00	0.537	0.527	0.844	0.78	-8.03	0.76
		1175	Front body	20.70	19.50	1.39	1.360	1.049	1.05	0.52	1.03