

3G/4G/5G Head test results

WCDMA Band V (M1+M2)		WCDMA Band V (M1 Only)		LTE Band 12 (M1+M2)		LTE Band 12 (M1 Only)		LTE Band 13 (M1+M2)		LTE Band 13 (M1 Only)	
Test position	Right Touch	Test position	Right Touch	Test position	Right Touch	Test position	Right Touch	Test position	Right Touch	Test position	Right Touch
Spacing	0mm	Spacing	0mm	Spacing	0mm	Spacing	0mm	Spacing	0mm	Spacing	0mm
Frequency(MHz)	836.6	Frequency(MHz)	836.6	Frequency(MHz)	707.5	Frequency(MHz)	707.5	Frequency(MHz)	782.0	Frequency(MHz)	782.0
Channel	4183	Channel	4183	Channel	23095	Channel	23095	Channel	23230	Channel	23230
Measured 1g SAR(W/kg)	0.138	Measured 1g SAR(W/kg)	0.142	Measured 1g SAR(W/kg)	0.132	Measured 1g SAR(W/kg)	0.141	Measured 1g SAR(W/kg)	0.097	Measured 1g SAR(W/kg)	0.098
Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)	
Auto-tune code 0 [A0 2A]	0.144	Auto-tune code 0 [A0 2A]	0.150	Auto-tune code 76 [8D 1A]	0.144	Auto-tune code 37 [9F 26]	0.146	Auto-tune code 45 [60 26]	0.132	Auto-tune code 0 [A0 2A]	0.128
State		State		State		State		State		State	
14	0.096	2	0.127	3	0.131	1	0.134	3	0.095	4	0.078
31	0.106	15	0.060	14	0.044	18	0.057	20	0.127	15	0.044
37	0.082	32	0.070	32	0.014	24	0.012	30	0.086	23	0.086
48	0.097	40	0.105	33	0.003	38	0.140	38	0.104	39	0.080
58	0.092	49	0.119	50	0.042	47	0.087	46	0.124	40	0.074
67	0.101	59	0.089	62	0.000	64	0.043	60	0.042	56	0.117
80	0.006	69	0.030	73	0.131	67	0.029	68	0.053	68	0.065
86	0.065	81	0.138	80	0.011	86	0.045	81	0.125	87	0.039
96	0.037	94	0.105	95	0.030	96	0.010	97	0.016	97	0.017
113	0.034	101	0.094	107	0.000	108	0.137	109	0.094	109	0.089
124	0.019	115	0.018	114	0.007	119	0.093	114	0.025	122	0.072
135	0.118	132	0.037	132	0.008	124	0.004	132	0.033	131	0.069
0	0.124	0	0.146	76	0.141	37	0.141	45	0.129	0	0.126

LTE Band 14 (M1+M2)		LTE Band 14 (M1 Only)		LTE Band 26 (M1+M2)		LTE Band 26 (M1 Only)		LTE Band 71 (M1+M2)		LTE Band 71 (M1 Only)	
Test position	Right Touch	Test position	Right Touch	Test position	Right Touch	Test position	Right Touch	Test position	Right Touch	Test position	Right Touch
Spacing	0mm	Spacing	0mm	Spacing	0mm	Spacing	0mm	Spacing	0mm	Spacing	0mm
Frequency(MHz)	793.0	Frequency(MHz)	793.0	Frequency(MHz)	831.5	Frequency(MHz)	831.5	Frequency(MHz)	680.5	Frequency(MHz)	680.5
Channel	23330	Channel	23330	Channel	26865	Channel	26865	Channel	133297	Channel	133297
Measured 1g SAR(W/kg)	0.095	Measured 1g SAR(W/kg)	0.077	Measured 1g SAR(W/kg)	0.116	Measured 1g SAR(W/kg)	0.128	Measured 1g SAR(W/kg)	0.168	Measured 1g SAR(W/kg)	0.169
Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)	
Auto-tune code 45 [60 26]	0.117	Auto-tune code 53 [4D 26]	0.113	Auto-tune code 108 [A0 16]	0.122	Auto-tune code 108 [A0 16]	0.146	Auto-tune code 0 [A0 2A]	0.183	Auto-tune code 0 [A0 2A]	0.183
State		State		State		State		State		State	
5	0.059	7	0.016	5	0.086	7	0.030	7	0.022	6	0.047
17	0.015	13	0.108	17	0.015	13	0.116	18	0.123	12	0.173
29	0.092	24	0.043	29	0.067	24	0.052	29	0.079	34	0.002
46	0.100	48	0.103	46	0.107	48	0.116	30	0.071	44	0.014
50	0.085	57	0.104	50	0.081	57	0.110	52	0.019	45	0.140
60	0.024	63	0.086	60	0.039	63	0.077	57	0.152	70	0.002
61	0.021	72	0.107	61	0.020	72	0.132	74	0.128	71	0.000
88	0.019	83	0.008	88	0.019	83	0.120	83	0.172	84	0.164
89	0.009	106	0.063	89	0.011	106	0.009	102	0.063	102	0.064
110	0.074	111	0.106	118	0.110	111	0.093	112	0.099	110	0.129
118	0.110	119	0.109	125	0.009	119	0.121	127	0.170	122	0.110
125	0.009	127	0.110	141	0.015	127	0.120	133	0.012	128	0.160
45	0.115	53	0.111	108	0.120	108	0.134	0	0.182	0	0.178

NR Band n12 (M1+M2)		NR Band n12 (M1 Only)		NR Band n26 (M1+M2)		NR Band n26 (M1 Only)		NR Band n71 (M1+M2)		NR Band n71 (M1 Only)	
Test position	Right Touch	Test position	Right Touch	Test position	Right Touch	Test position	Right Touch	Test position	Right Touch	Test position	Right Touch
Spacing	0mm	Spacing	0mm	Spacing	0mm	Spacing	0mm	Spacing	0mm	Spacing	0mm
Frequency(MHz)	707.5	Frequency(MHz)	707.5	Frequency(MHz)	831.5	Frequency(MHz)	831.5	Frequency(MHz)	680.5	Frequency(MHz)	680.5
Channel	141500	Channel	141500	Channel	166300	Channel	166300	Channel	136100	Channel	136100
Measured 1g SAR(W/kg)	0.160	Measured 1g SAR(W/kg)	0.140	Measured 1g SAR(W/kg)	0.146	Measured 1g SAR(W/kg)	0.115	Measured 1g SAR(W/kg)	0.154	Measured 1g SAR(W/kg)	0.161
Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)	
Auto-tune code 9 [60 2A]	0.166	Auto-tune code 2 [99 2A]	0.141	Auto-tune code 108 [A0 16]	0.171	Auto-tune code 0 [A0 2A]	0.126	Auto-tune code 45 [60 26]	0.156	Auto-tune code 0 [A0 2A]	0.165
State		State		State		State		State		State	
11	0.153	9	0.056	10	0.115	11	0.104	10	0.146	8	0.011
26	0.013	22	0.058	17	0.009	12	0.100	22	0.135	16	0.020
43	0.007	23	0.036	28	0.066	27	0.056	35	0.003	27	0.062
44	0.004	42	0.054	35	0.002	41	0.076	42	0.017	36	0.155
52	0.022	53	0.001	51	0.038	45	0.098	62	0.012	43	0.018
76	0.049	54	0.055	66	0.060	55	0.097	64	0.111	65	0.075
79	0.006	74	0.127	76	0.153	77	0.066	72	0.114	84	0.141
94	0.109	92	0.067	90	0.105	78	0.037	93	0.126	93	0.131
104	0.059	100	0.035	91	0.109	99	0.068	99	0.103	98	0.005
118	0.131	112	0.121	103	0.048	113	0.062	105	0.015	105	0.008
125	0.009	123	0.009	117	0.123	123	0.034	116	0.002	117	0.132
139	0.086	128	0.067	129	0.095	126	0.102	129	0.120	126	0.125
9	0.165	2	0.131	108	0.158	0	0.120	45	0.154	0	0.160

3G/4G/5G Body test results

WCDMA Band V (F/O M1+M2)		WCDMA Band V (F/C M1 Only)		LTE Band 12 (F/O M1+M2)		LTE Band 12 (F/C M1 Only)		LTE Band 13 (F/O M1+M2)		LTE Band 13 (F/C M1 Only)	
Test position	Rear	Test position	Rear	Test position	Rear	Test position	Right	Test position	Rear	Test position	Right
Spacing	10mm	Spacing	10mm	Spacing	10mm	Spacing	10mm	Spacing	10mm	Spacing	10mm
Frequency(MHz)	836.6	Frequency(MHz)	836.6	Frequency(MHz)	707.5	Frequency(MHz)	707.5	Frequency(MHz)	782.0	Frequency(MHz)	782.0
Channel	4183	Channel	4183	Channel	23095	Channel	23095	Channel	23230	Channel	23230
Measured 1g SAR(W/kg)	0.463	Measured 1g SAR(W/kg)	0.289	Measured 1g SAR(W/kg)	0.356	Measured 1g SAR(W/kg)	0.366	Measured 1g SAR(W/kg)	0.437	Measured 1g SAR(W/kg)	0.304
Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)	
Auto-tune code 108 [A0 16]	0.533	Auto-tune code 108 [A0 16]	0.325	Auto-tune code 0 [A0 2A]	0.400	Auto-tune code 2 [99 2A]	0.394	Auto-tune code 27 [60 29]	0.482	Auto-tune code 108 [A0 16]	0.325
State		State		State		State		State		State	
0	0.490	6	0.140	7	0.052	0	0.368	6	0.046	3	0.291
11	0.418	21	0.174	22	0.344	11	0.368	15	0.071	12	0.289
22	0.360	28	0.112	33	0.033	23	0.234	23	0.170	27	0.176
34	0.031	41	0.244	45	0.350	40	0.190	39	0.190	35	0.012
45	0.371	51	0.055	53	0.031	50	0.231	52	0.032	46	0.304
51	0.157	61	0.020	67	0.153	58	0.296	62	0.019	56	0.283
63	0.221	67	0.088	71	0.006	72	0.343	74	0.209	68	0.109
75	0.408	80	0.025	89	0.026	88	0.046	79	0.016	81	0.300
87	0.131	90	0.183	97	0.038	99	0.275	94	0.204	96	0.074
100	0.242	104	0.051	107	0.006	110	0.223	108	0.325	109	0.282
123	0.120	112	0.269	118	0.340	117	0.376	120	0.219	117	0.305
127	0.393	128	0.178	130	0.306	129	0.289	127	0.303	123	0.077
108	0.499	108	0.323	0	0.390	2	0.393	27	0.477	108	0.324
LTE Band 14 (F/O M1+M2)		LTE Band 14 (F/C M1 Only)		LTE Band 26 (F/O M1+M2)		LTE Band 26 (F/C M1 Only)		LTE Band 71 (F/O M1+M2)		LTE Band 71 (F/C M1 Only)	
Test position	Rear	Test position	Right	Test position	Rear	Test position	Right	Test position	Rear	Test position	Right
Spacing	10mm	Spacing	10mm	Spacing	10mm	Spacing	10mm	Spacing	10mm	Spacing	10mm
Frequency(MHz)	793.0	Frequency(MHz)	793.0	Frequency(MHz)	831.5	Frequency(MHz)	831.5	Frequency(MHz)	680.5	Frequency(MHz)	680.5
Channel	23330	Channel	23330	Channel	26865	Channel	26865	Channel	133297	Channel	133297
Measured 1g SAR(W/kg)	0.510	Measured 1g SAR(W/kg)	0.285	Measured 1g SAR(W/kg)	0.457	Measured 1g SAR(W/kg)	0.289	Measured 1g SAR(W/kg)	0.345	Measured 1g SAR(W/kg)	0.237
Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)	
Auto-tune code 27 [60 29]	0.587	Auto-tune code 45 [60 26]	0.313	Auto-tune code 1 [9F 2A]	0.504	Auto-tune code 108 [A0 16]	0.331	Auto-tune code 9 [60 2A]	0.393	Auto-tune code 73 [9F 1A]	0.267
State		State		State		State		State		State	
8	0.016	4	0.235	10	0.375	3	0.254	16	0.059	2	0.218
17	0.024	18	0.229	15	0.160	18	0.115	29	0.313	19	0.238
24	0.085	27	0.226	29	0.206	30	0.071	37	0.191	30	0.136
32	0.259	40	0.224	42	0.251	43	0.065	57	0.303	36	0.233
46	0.418	56	0.228	58	0.329	57	0.126	69	0.058	59	0.157
59	0.184	69	0.228	68	0.124	70	0.008	80	0.008	64	0.154
72	0.399	74	0.236	78	0.212	78	0.103	86	0.185	77	0.079
83	0.343	85	0.230	86	0.270	82	0.157	102	0.261	87	0.070
101	0.427	102	0.228	109	0.478	105	0.014	114	0.027	100	0.153
113	0.099	115	0.233	114	0.193	115	0.044	119	0.297	111	0.120
121	0.221	122	0.237	120	0.369	121	0.119	132	0.086	122	0.152
126	0.501	132	0.239	131	0.213	133	0.012	141	0.048	133	0.026
27	0.582	45	0.256	1	0.503	108	0.322	9	0.392	73	0.257
NR Band n12 (F/O M1+M2)		NR Band n12 (F/C M1 Only)		NR Band n26 (F/O M1+M2)		NR Band n26 (F/C M1 Only)		NR Band n71 (F/O M1+M2)		NR Band n71 (F/C M1 Only)	
Test position	Rear	Test position	Right	Test position	Rear	Test position	Right	Test position	Rear	Test position	Right
Spacing	10mm	Spacing	10mm	Spacing	10 mm	Spacing	10 mm	Spacing	10mm	Spacing	10 mm
Frequency(MHz)	707.5	Frequency(MHz)	707.5	Frequency(MHz)	831.5	Frequency(MHz)	831.5	Frequency(MHz)	680.5	Frequency(MHz)	680.5
Channel	141500	Channel	141500	Channel	166300	Channel	166300	Channel	136100	Channel	136100
Measured 1g SAR(W/kg)	0.337	Measured 1g SAR(W/kg)	0.298	Measured 1g SAR(W/kg)	0.464	Measured 1g SAR(W/kg)	0.302	Measured 1g SAR(W/kg)	0.360	Measured 1g SAR(W/kg)	0.409
Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)	
Auto-tune code 0 [A0 2A]	0.366	Auto-tune code 72 [A0 1A]	0.324	Auto-tune code 108 [A0 16]	0.495	Auto-tune code 109 [9F 16]	0.282	Auto-tune code 18 [A0 29]	0.390	Auto-tune code 0 [A0 2A]	0.442
State		State		State		State		State		State	
10	0.316	5	0.120	9	0.345	1	0.247	4	0.114	1	0.235
17	0.026	13	0.265	19	0.368	13	0.143	16	0.048	14	0.216
25	0.038	26	0.026	33	0.066	31	0.071	25	0.051	26	0.028
37	0.251	36	0.309	42	0.213	35	0.004	38	0.160	38	0.204
49	0.297	47	0.305	49	0.389	47	0.152	48	0.255	44	0.015
55	0.303	60	0.084	54	0.342	60	0.036	61	0.047	53	0.029
66	0.143	73	0.214	65	0.237	70	0.008	71	0.021	64	0.231
82	0.323	84	0.258	76	0.400	76	0.243	77	0.061	73	0.202
93	0.278	95	0.165	93	0.355	91	0.139	85	0.209	89	0.024
97	0.030	105	0.051	98	0.027	96	0.030	103	0.251	98	0.021
111	0.177	116	0.010	106	0.022	110	0.266	112	0.087	106	0.016
125	0.019	131	0.156	124	0.054	123	0.033	126	0.355	124	0.041
0	0.365	72	0.310	108	0.492	109	0.272	18	0.387	0	0.421