



13. DL/UL carrier aggregation

<LTE Carrier Aggregation combinations>

General Note:

1. This device supports Carrier Aggregation on Uplink and downlink for inter and intra band. For the device supports combination bands and configurations are according to 3GPP.
2. In applying the existing power measurement procedure of KDB 941225 D05A for DL CA SAR test exclusion, only the subset with the largest number of combinations of the frequency band and CCs in each row need consideration, and that configurations require power measurement should be highlighted in the below table.
3. Only LTE Band 29 and LTE Band 46 support Rx only.
4. The device support 4x4 MIMO in LTE B2/B4/B25/B30/B41/B66, the below DL CA power verification is consider maximum 4x4 combination to be verify, for example: in CA_2A-66A-66A supports different 4x4 MIMO configuration of 2A, 66A, 2A-66A, 66A-66A, 2A-66A-66A, the DL CA power verification is selected 2A 4x4 + 66A 4x4 + 66A 4x4 to verify uplink maximum output power with downlink carrier aggregation active does not show more than ¼ dB higher than the maximum output power without downlink carrier aggregation active.

2CC Downlink Carrier Aggregation					3CC Downlink Carrier Aggregation				
Number	Combination	4X4 MIMO	Restriction	Covered by Measurement Superset	Number	Combination	4X4 MIMO	Restriction	Covered by Measurement Superset
1	CA_2A-12A	2A		3CC-1	1	CA_2A-12A-12A	2A		4CC-16
2	CA_2A-13A	2A		3CC-13	2	CA_2A-12A-30A	2A, 30A, 2A-30A		4CC-14
3	CA_2A-14A	2A		3CC-14	3	CA_2A-12A-66A	2A, 66A, 2A-66A		4CC-2
4	CA_2A-29A	2A	29 Rx only	3CC-15	4	CA_2A-12B	2A		4CC-16
5	CA_2A-2A	2A, 2A-2A		2CC-14	5	CA_2A-13A-46A	2A	46 Rx only	4CC-4
6	CA_2A-30A	2A, 30A, 2A-30A		3CC-16	6	CA_2A-13A-48A	2A		4CC-5
7	CA_2A-46A	2A	46 Rx only	3CC-17	7	CA_2A-13A-66A	2A, 66A, 2A-66A		4CC-8
8	CA_2A-48A	2A		3CC-27	8	CA_2A-14A-30A	2A, 30A, 2A-30A		4CC-11
9	CA_2A-4A	2A, 4A, 2A-4A		3CC-18	9	CA_2A-14A-66A	2A, 66A, 2A-66A		4CC-12
10	CA_2A-5A	2A		3CC-19	10	CA_2A-29A-30A	2A, 30A, 2A-30A	29 Rx only	4CC-19
11	CA_2A-66A	2A, 66A, 2A-66A		3CC-21	11	CA_2A-29A-66A	2A, 66A, 2A-66A	29 Rx only	4CC-13
12	CA_2A-71A	2A		3CC-22	12	CA_2A-2A-12A	2A, 2A-2A		4CC-16
13	CA_2A-7A	2A		3CC-20	13	CA_2A-2A-13A	2A, 2A-2A		4CC-17
14	CA_2C	2C			14	CA_2A-2A-14A	2A, 2A-2A		4CC-18
15	CA_4A-12A	4A		3CC-53	15	CA_2A-2A-29A	2A, 2A-2A	29 Rx only	4CC-19
16	CA_4A-13A	4A		3CC-61	16	CA_2A-2A-30A	2A, 30A, 2A-2A, 2A-30A, 2A-2A-30A		4CC-19
17	CA_4A-29A	4A	29 Rx only	3CC-56	17	CA_2A-2A-46A	2A, 2A-2A	46 Rx only	4CC-21
18	CA_4A-30A	4A, 30A		3CC-62	18	CA_2A-2A-4A	2A, 4A, 2A-2A, 2A-4A, 2A-2A-4A		4CC-23
19	CA_4A-46A	4A	46 Rx only	3CC-58	19	CA_2A-2A-5A	2A, 2A-2A		4CC-19
20	CA_4A-48A	4A		3CC-59	20	CA_2A-2A-7A	2A, 2A-2A		5CC-25
21	CA_4A-4A	4A, 4A-4A			21	CA_2A-2A-66A	2A, 66A, 2A-2A, 2A-66A, 2A-2A-66A		4CC-28
22	CA_4A-5A	4A		3CC-63	22	CA_2A-2A-71A	2A, 2A-2A		4CC-29
23	CA_4A-71A	4A		3CC-64	23	CA_2A-30A-66A	2A, 30A, 66A, 2A-66A, 30A-66A		4CC-20
24	CA_4A-7A	4A		3CC-65	24	CA_2A-46A-46A	2A	46 Rx only	4CC-21
25	CA_5A-5A			2CC-32	25	CA_2A-46A-66A	2A, 66A, 2A-66A	46 Rx only	4CC-33
26	CA_5A-25A	25A			26	CA_2A-46C	2A	46 Rx only	4CC-21
27	CA_5A-30A	30A		3CC-84	27	CA_2A-48A-48A	2A		4CC-38
28	CA_5A-46A			3CC-85	28	CA_2A-48A-66A	2A, 66A, 2A-66A		4CC-37
29	CA_5A-48A			3CC-75	29	CA_2A-48C	2A		4CC-38
30	CA_5A-66A	66A		3CC-71	30	CA_2A-4A-12A	2A, 4A, 2A-4A		4CC-45
31	CA_5A-7A			3CC-82	31	CA_2A-4A-13A	2A, 4A, 2A-4A		
32	CA_5B				32	CA_2A-4A-29A	2A, 4A, 2A-4A	29 Rx only	4CC-44
33	CA_7A-12A			3CC-88	33	CA_2A-4A-30A	2A, 4A, 30A, 2A-4A, 4A-30A		4CC-47
34	CA_7A-46A		46 Rx only	3CC-89	34	CA_2A-4A-4A	2A, 4A, 2A-4A, 4A-4A, 2A-4A-4A		4CC-45
35	CA_7A-66A	66A		3CC-90	35	CA_2A-4A-5A	2A, 4A, 2A-4A		4CC-46
36	CA_7A-7A			2CC-37	36	CA_2A-4A-71A	2A, 4A, 2A-4A		
37	CA_7C				37	CA_2A-4A-7A	2A, 4A, 2A-4A		4CC-51
38	CA_12A-12A			2CC-42	38	CA_2A-5A-7A			
39	CA_12A-25A	25A			39	CA_2A-5A-30A	2A, 30A, 2A-30A		4CC-60
40	CA_12A-30A	30A		3CC-92	40	CA_2A-5A-46A	2A	46 Rx only	4CC-53



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41	CA_12A-66A	66A		3CC-93	41	CA_2A-5A-48A	2A		4CC-54
42	CA_12B				42	CA_2A-5A-66A	2A, 66A, 2A-66A		4CC-58
43	CA_13A-46A		46 Rx only	3CC-97	43	CA_2A-5B	2A		4CC-60
44	CA_13A-48A			3CC-98	44	CA_2A-66A-66A	2A, 66A, 2A-66A, 66A-66A, 2A-66A-66A		4CC-28
45	CA_13A-66A	66A		3CC-101	45	CA_2A-66A-71A	2A, 66A, 2A-66A		4CC-29
46	CA_14A-30A	30A		3CC-104	46	CA_2A-66B	2A, 66B, 2A-66B		4CC-30
47	CA_14A-66A	66A		3CC-105	47	CA_2A-66C	2A, 66C, 2A-66C		4CC-31
48	CA_25A-25A	25A, 25A-25A		3CC-106	48	CA_2A-7A-12A			4CC-67
49	CA_25A-26A	25A		3CC-107	49	CA_2A-7A-66A	2A, 66A, 2A-66A		4CC-27
50	CA_25A-41A	25A		3CC-108	50	CA_2A-7A-7A	2A		3CC-51
51	CA_30A-29A	30A	29 Rx only	3CC-110	51	CA_2A-7C	2A		4CC-51
52	CA_30A-66A	30A, 66A, 30A-66A		3CC-111	52	CA_2C-66A	2C, 66A, 2C-66A		4CC-28
53	CA_41A-41A	41A, 41A-41A		2CC-54	53	CA_4A-12A-12A	4A		4CC-71
54	CA_41C	41C		3CC-112	54	CA_4A-12A-30A	4A, 30A, 4A-30A		4CC-70
55	CA_66A-46A	66A	46 Rx only	3CC-115	55	CA_4A-12B	4A		4CC-71
56	CA_66A-66A	66A, 66A-66A		2CC-58	56	CA_4A-29A-30A	4A, 30A, 4A-30A	29 Rx only	4CC-19
57	CA_66A-71A	66A		3CC-120	57	CA_4A-46A-46A	4A	46 Rx only	4CC-73
58	CA_66B	66B		3CC-119	58	CA_4A-46C	4A	46 Rx only	5CC-51
59	CA_66C	66C		3CC-119	59	CA_4A-48C	4A		5CC-52
60	CA_48A-48A			2CC-62	60	CA_4A-4A-12A	4A, 4A-4A		4CC-71
61	CA_48A-66A	66A		3CC-126	61	CA_4A-4A-13A	4A, 4A-4A		
62	CA_48C			3CC-125	62	CA_4A-4A-30A	.		4CC-70
					63	CA_4A-4A-5A	4A, 4A-4A		4CC-72
					64	CA_4A-4A-71A	4A, 4A-4A		
					65	CA_4A-4A-7A	4A, 4A-4A		
					66	CA_4A-5A-30A	4A, 30A, 4A-30A		4CC-47
					67	CA_4A-5B	4A		4CC-72
					68	CA_4A-7A-12A	4A		4CC-49
					69	CA_4A-7A-7A	4A		3CC-70
					70	CA_4A-7C	4A		4CC-51
					71	CA_5A-5A-66A	66A		4CC-86
					72	CA_5A-30A-66A	30A, 66A, 30A-66A		4CC-75
					73	CA_5A-46A-66A	66A	46 Rx only	4CC-76
					74	CA_5A-46C		46 Rx only	4CC-76
					75	CA_5A-48A-48A			4CC-79
					76	CA_5A-48A-66A	66A		4CC-78
					77	CA_5A-48C			4CC-79
					78	CA_5A-5A-66A	66A		4CC-83
					79	CA_5A-66A-66A	66A, 66A-66A		4CC-83
					80	CA_5A-66B	66B		4CC-86
					81	CA_5A-66C	66C		4CC-86
					82	CA_5A-7A-7A			3CC-83
					83	CA_5A-7C			
					84	CA_5B-30A	30A		4CC-82
					85	CA_5B-46A		46 Rx only	4CC-77
					86	CA_5B-66A	66A		4CC-85
					87	CA_7A-12A-66A	66A		4CC-66
					88	CA_7A-12B			4CC-67
					89	CA_7A-46C		46 Rx only	4CC-88
					90	CA_7A-66A-66A	66A, 66A-66A		4CC-89
					91	CA_7A-7A-46A		46 Rx only	4CC-88
					92	CA_12A-30A-66A	30A, 66A, 30A-66A		4CC-91
					93	CA_12A-66A-66A	66A, 66A-66A		4CC-92
					94	CA_12A-66C	66C		4CC-92
					95	CA_12B-66A	66A		4CC-92
					96	CA_13A-46A-66A	66A	46 Rx only	4CC-93
					97	CA_13A-46C		46 Rx only	4CC-94
					98	CA_13A-48A-48A			4CC-98
					99	CA_13A-48A-66A			4CC-95
					100	CA_13A-48C			4CC-98
					101	CA_13A-66A-66A	66A, 66A-66A		4CC-101
					102	CA_13A-66B	66B		4CC-101
					103	CA_13A-66C	66C		4CC-101
					104	CA_14A-30A-66A	30A, 66A, 30A-66A		4CC-103



	105	CA_14A-66A-66A	66A, 66A-66A		4CC-104
	106	CA_25A-25A-25A	25A, 25A-25A, 25A-25A-25A		
	107	CA_25A-25A-26A	25A, 25A-25A		
	108	CA_25A-41C			4CC-128
	109	CA_30A-29A-66A	30A, 66A, 30A-66A	29 Rx only	4CC-105
	110	CA_30A-66A-66A	30A, 66A, 30A-66A, 66A-66A, 30A-66A-66A		4CC-105
	111	CA_41A-41A-41A	41A, 41A-41A		4CC-109
	112	CA_41A-41C	41A, 41C, 41A-41C		4CC-109
	113	CA_41D	41D		4CC-109
	114	CA_66A-46A-46A	66A	46 Rx only	4CC-110
	115	CA_66A-46A-66A	66A, 66A-66A	46 Rx only	4CC-111
	116	CA_66A-46C	66A	46 Rx only	4CC-110
	117	CA_66C-46A	66C	46 Rx only	4CC-110
	118	CA_66A-66A-66A	66A, 66A-66A, 66A-66A-66A		4CC-115
	119	CA_66A-66A-71A	66A, 66A-66A		4CC-63
	120	CA_66A-66B	66A, 66B, 66A-66B		4CC-64
	121	CA_66A-66C	66A, 66C, 66A-66C		
	122	CA_66C-71A	66C		4CC-65
	123	CA_48A-48A-66A	66A		4CC-114
	124	CA_48A-48C			4CC-127
	125	CA_48A-66A-66A	66A, 66A-66A		4CC-114
	126	CA_48A-66B	66B		4CC-114
	127	CA_48A-66C	66C		4CC-114
	128	CA_48C-66A	66A		4CC-114
	129	CA_48D			4CC-127



4CC Downlink Carrier Aggregation					5CC Downlink Carrier Aggregation				
Number	Combination	4X4 MIMO	Restriction	Covered by Measurement Superset	Number	Combination	4X4 MIMO	Restriction	Covered by Measurement Superset
1	CA_2A-12A-30A-66A	2A, 30A, 2A-30A		5CC-4	1	CA_2A-5A-46D	2A	46 Rx only	5CC-37
2	CA_2A-12A-66A-66A	2A, 66A, 2A-66A, 66A-66A		5CC-15	2	CA_2A-5A-48A-48C	2A		5CC-41
3	CA_2A-12A-66C	2A, 66C		5CC-15	3	CA_2A-5A-48C-66A	2A, 66A		5CC-40
4	CA_2A-13A-46C	2A	46 Rx only	5CC-5	4	CA_2A-12A-30A-66A-66A	2A		
5	CA_2A-13A-48A-48A	2A		5CC-7	5	CA_2A-13A-46D	2A	46 Rx only	
6	CA_2A-13A-48A-66A	2A, 66A, 2A-66A		5CC-8	6	CA_2A-13A-48A-48A-66A	2A		
7	CA_2A-13A-48C	2A		5CC-7	7	CA_2A-13A-48A-48C	2A		
8	CA_2A-13A-66A-66A	2A, 66A, 2A-66A, 66A-66A		5CC-10	8	CA_2A-13A-48C-66A	2A, 66A		
9	CA_2A-13A-66B	2A, 66B		5CC-10	9	CA_2A-13A-48D	2A		
10	CA_2A-13A-66C	2A, 66C		5CC-10	10	CA_2A-13A-66A-66B	2A, 66A		
11	CA_2A-14A-30A-66A	2A, 30A, 2A-30A		5CC-11	11	CA_2A-14A-30A-66A-66A	2A		
12	CA_2A-14A-66A-66A	2A, 66A, 2A-66A, 66A-66A		5CC-19	12	CA_2A-2A-5A-30A-66A	2A, 30A, 66A		
13	CA_2A-29A-30A-66A	2A, 30A, 2A-30A	29 Rx only	5CC-24	13	CA_2A-2A-5A-66A-66A	2A, 66A		
14	CA_2A-2A-12A-30A	2A, 30A, 2A-2A, 2A-30A		5CC-14	14	CA_2A-2A-12A-30A-66A	2A, 30A, 66A		
15	CA_2A-2A-12A-66A	2A, 66A, 2A-2A, 2A-66A		5CC-15	15	CA_2A-2A-12A-66A-66A	2A, 66A		
16	CA_2A-2A-12B	2A, 2A-2A		5CC-16	16	CA_2A-2A-12B-66A	2A, 66A		
17	CA_2A-2A-13A-66A	2A, 66A, 2A-2A, 2A-66A		5CC-17	17	CA_2A-2A-13A-66A-66A	2A, 66A		
18	CA_2A-2A-14A-66A	2A, 66A, 2A-2A, 2A-66A		5CC-19	18	CA_2A-2A-14A-30A-66A	2A, 30A, 66A		
19	CA_2A-2A-29A-30A	2A, 30A, 2A-2A, 2A-30A	29 Rx only	5CC-24	19	CA_2A-2A-14A-66A-66A	2A, 66A		
20	CA_2A-2A-30A-66A	2A, 30A, 66A		5CC-12	20	CA_2A-2A-46D	2A	46 Rx only	
21	CA_2A-2A-46C	2A, 2A-2A	46 Rx only	5CC-30	21	CA_2A-2A-5A-66A-66A	2A, 66A		
22	CA_2A-2A-4A-12A	2A, 4A, 2A-2A, 2A-4A			22	CA_2A-2A-5A-66B	2A		
23	CA_2A-2A-4A-4A	2A, 4A, 2A-2A, 2A-4A			23	CA_2A-2A-5A-66C	2A		
24	CA_2A-2A-4A-5A	2A, 4A, 2A-2A, 2A-4A			24	CA_2A-2A-29A-30A-66A	30A, 66A	29 Rx only	
25	CA_2A-2A-5A-30A	2A, 30A, 2A-2A, 2A-30A		5CC-12	25	CA_2A-2A-7A-12A-66A	2A, 66A		
26	CA_2A-2A-5A-66A	2A, 66A, 2A-2A, 2A-66A		5CC-45	26	CA_2A-46A-46C-66A	2A, 66A	46 Rx only	5CC-29
27	CA_2A-2A-7A-66A	2A, 66A, 2A-2A, 2A-66A		5CC-25	27	CA_2A-46C-46C	2A	46 Rx only	5CC-30
28	CA_2A-2A-66A-66A	2A, 66A, 2A-2A, 2A-66A		5CC-23	28	CA_2A-46A-46D	2A	46 Rx only	5CC-30
29	CA_2A-2A-66A-71A	2A, 66A, 2A-2A, 2A-66A			29	CA_2A-46D-66A	2A, 66A	46 Rx only	
30	CA_2A-2A-66B	2A, 66B, 2A-2A		5CC-13	30	CA_2A-46E	2A	46 Rx only	
31	CA_2A-2A-66C	2A, 66C, 2A-2A		5CC-13	31	CA_2A-48A-48C-66A	2A		5CC-34
32	CA_2A-30A-66A-66A	2A, 30A, 66A, 2A-66A		5CC-29	32	CA_2A-48A-48D	2A		5CC-35
33	CA_2A-46A-46A-66A	2A, 66A, 2A-66A	46 Rx only	5CC-29	33	CA_2A-48C-48C	2A		5CC-35
34	CA_2A-46A-46C	2A	46 Rx only	5CC-30	34	CA_2A-48D-66A	2A, 66A		
35	CA_2A-46C-66A	2A, 66A, 2A-66A	46 Rx only	5CC-29	35	CA_2A-48E	2A		
36	CA_2A-46D	2A	46 Rx only	5CC-30	36	CA_2A-5A-30A-66A-66A			
37	CA_2A-48A-48A-66A	2A, 66A, 2A-66A		5CC-34	37	CA_2A-5A-46D	2A	46 Rx only	
38	CA_2A-48A-48C	2A		5CC-35	38	CA_2A-5A-48A-48A-66A	2A, 66A		5CC-40
39	CA_2A-48C-66A	2A, 66A, 2A-66A		5CC-34	39	CA_2A-5A-48A-48C	2A		5CC-41
40	CA_2A-48D	2A		5CC-35	40	CA_2A-5A-48C-66A	2A, 66A		
41	CA_2A-4A-12A-12A	2A, 4A, 2A-4A		4CC-43	41	CA_2A-5A-48D	2A		
42	CA_2A-4A-12A-30A	2A, 30A			42	CA_2A-5B-30A-66A	2A, 66A		
43	CA_2A-4A-12B	2A, 4A, 2A-4A			43	CA_2A-5B-66A-66A	2A, 66A		5CC-45
44	CA_2A-4A-29A-30A	2A, 30A	29 Rx only		44	CA_2A-5B-66B	2A		5CC-45
45	CA_2A-4A-4A-12A	2A, 4A, 2A-4A			45	CA_2A-5B-66C	2A		
46	CA_2A-4A-4A-5A	2A, 4A, 2A-4A			46	CA_2A-7A-12B-66A	2A, 66A		
47	CA_2A-4A-5A-30A	2A, 30A			47	CA_2A-13A-48A-48A-66A	2A		
48	CA_2A-4A-5B	2A, 4A, 2A-4A			48	CA_2A-13A-48A-48C	2A		
49	CA_2A-4A-7A-12A	2A, 4A, 2A-4A			49	CA_2A-13A-48C-66A	2A, 66A		
50	CA_2A-4A-7A-7A	2A, 4A, 2A-4A		4CC-51	50	CA_2A-14A-66A-66A-66A	2A, 66A		
51	CA_2A-4A-7C	2A, 4A, 2A-4A			51	CA_4A-46A-46D	4A	46 Rx only	
52	CA_2A-5A-30A-66A	2A, 30A, 2A-30A		5CC-42	52	CA_4A-48E	4A		
53	CA_2A-5A-46C	2A	46 Rx only	5CC-1	53	CA_5A-48A-48D			5CC-58
54	CA_2A-5A-48A-48A	2A		5CC-41	54	CA_5A-48D-66A	66A		
55	CA_2A-5A-48A-66A	2A, 66A, 2A-66A		5CC-38	55	CA_5A-46D-66A	66A	46 Rx only	
56	CA_2A-5A-48C	2A		5CC-41	56	CA_5A-48A-48C-66A	66A		5CC-54
57	CA_2A-5A-66A-66A	2A, 66A, 2A-66A,		5CC-45	57	CA_5A-48C-48C			5CC-58



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		66A-66A							
58	CA_2A-5A-66B	2A, 66B		5CC-45	58	CA_5A-48E			
59	CA_2A-5A-66C	2A, 66C		5CC-45	59	CA_7C-46D		46 Rx only	
60	CA_2A-5B-30A	2A, 30A, 2A-30A		5CC-42	60	CA_13A-46D-66A	66A	46 Rx only	
61	CA_2A-5B-66A	2A, 66A, 2A-66A		5CC-45	61	CA_13A-48A-48C-66A	66A		5CC-66
62	CA_2A-66A-66A-66A	2A, 66A, 2A-66A, 66A-66A		5CC-10	62	CA_13A-48A-48D			
63	CA_2A-66A-66A-71A	2A, 66A, 2A-66A, 66A-66A		4CC-65	63	CA_13A-48C-48C			
64	CA_2A-66A-66B	2A, 66A		5CC-22	64	CA_13A-48C-66B	66B		
65	CA_2A-66C-71A	2A, 66C			65	CA_13A-48C-66C	66C		
66	CA_2A-7A-12A-66A	2A, 66A, 2A-66A		5CC-46	66	CA_13A-48D-66A	66A		
67	CA_2A-7A-12B	2A		5CC-46	67	CA_41C-41D			5CC-68
68	CA_2A-7A-66A-66A	2A, 66A, 2A-66A, 66A-66A			68	CA_41F			
69	CA_2C-66A-66A	2C, 66A, 66A-66A			69	CA_66A-46A-46D	66A	46 Rx only	5CC-73
70	CA_4A-4A-12A-30A	4A, 4A-4A			70	CA_66A-46C-46C	66A	46 Rx only	5CC-73
71	CA_4A-4A-12B	4A, 4A-4A			71	CA_66A-46C-66A-66A	66A	46 Rx only	5CC-72
72	CA_4A-4A-5B	4A, 4A-4A			72	CA_66A-46D-66A	66A	46 Rx only	
73	CA_4A-46D	4A	46 Rx only	5CC-51	73	CA_66A-46E	66A	46 Rx only	
74	CA_4A-48D	4A		5CC-52	74	CA_48A-48C-66B	66B		
75	CA_5A-30A-66A-66A			4CC-82	75	CA_48A-48C-66C	66C		
76	CA_5A-46C-66A	66A	46 Rx only	5CC-55	76	CA_48A-48D-66A	66A		5CC-80
77	CA_5A-46D		46 Rx only	4CC-87	77	CA_48C-48C-66A	66A		5CC-80
78	CA_5A-48A-48A-66A	66A		5CC-56	78	CA_48C-48D			
79	CA_5A-48A-48C			5CC-58	79	CA_48C-66A-66A-66A	66A		
80	CA_5A-48C-66A	66A		5CC-56	80	CA_48E-66A	66A		
81	CA_5A-48D			5CC-58	81	CA_5B-46D		46 Rx only	
82	CA_5B-30A-66A	66A		5CC-42	82	CA_2A-14A-66A-66A-66A	2A, 66A		
83	CA_5B-66A-66A	66A		4CC-86					
84	CA_5B-46C		46 Rx only	4CC-87					
85	CA_5B-66B	66B		4CC-86					
86	CA_5B-66C	66C		5CC-42					
88	CA_7A-46D		46 Rx only	5CC-59					
89	CA_7C-66A-66A	66A, 66A-66A							
90	CA_7C-46C		46 Rx only	5CC-59					
91	CA_12A-30A-66A-66A			5CC-4					
92	CA_12B-66A-66A	66A, 66A-66A							
93	CA_13A-46C-66A	66A	46 Rx only	5CC-60					
94	CA_13A-46D		46 Rx only	5CC-5					
95	CA_13A-48A-48A-66A	66A		5CC-66					
96	CA_13A-48A-66B	66B		5CC-66					
97	CA_13A-48A-66C	66C		5CC-66					
98	CA_13A-48A-48C			5CC-62					
99	CA_13A-48C-66A	66A		5CC-66					
100	CA_13A-48D			5CC-62					
101	CA_13A-66A-66A-66A	66A, 66A-66A		4CC-102					
102	CA_13A-66A-66B	66A		5CC-10					
103	CA_14A-30A-66A-66A	66A		5CC-11					
104	CA_14A-66A-66A-66A	66A		5CC-50					
106	CA_41A-41A-41C	41A, 41C, 41A-41A		5CC-68					
107	CA_41A-41D	41A		5CC-68					
108	CA_41C-41C	41C		5CC-68					
109	CA_41E			5CC-68					
110	CA_66A-46A-46C	66A	46 Rx only	5CC-73					
111	CA_66A-46A-66A-66A	66A, 66A-66A	46 Rx only	5CC-72					
112	CA_66A-46C-66A	66A, 66A-66A	46 Rx only	5CC-72					
113	CA_66A-46D	66A	46 Rx only	5CC-73					
114	CA_48A-48A-66A-66A	66A, 66A-66A		5CC-80					
115	CA_48A-66A-66A-66A	66A, 66A-66A		5CC-80					
116	CA_48C-66B	66B		5CC-80					
117	CA_48C-66C	66C		5CC-80					
118	CA_48A-48A-66B	66B		5CC-80					
119	CA_48A-48A-66C	66C		5CC-80					
120	CA_48A-48C-66A	66A		5CC-80					
121	CA_48A-48D			5CC-78					



122	CA_48C-48C			5CC-78	
123	CA_48C-66B	66B		5CC-80	
124	CA_48C-66C	66C		5CC-80	
125	CA_48C-66A-66A	66A, 66A-66A		5CC-80	
126	CA_48D-66A	66A		5CC-80	
127	CA_48E			5CC-78	
128	CA_25A-41D				

2CC Uplink Carrier Aggregation				
Number	Combination	4X4 MIMO	Restriction	Covered by Measurement Superset
1	CA_5B			
2	CA_66B			
3	CA_66C			
4	CA_41C			
5	CA_48C			



<Power verification for DL Carrier Aggregation>

General Note:

1. According to KDB941225 D05A v01r02, Uplink maximum output power measurement with downlink carrier aggregation active should be measured, using the highest output channel measured without downlink carrier aggregation, to confirm that uplink maximum output power with downlink carrier aggregation active remains within the specified tune-up tolerance limits and not more than ¼ dB higher than the maximum output measured without downlink carrier aggregation active.
2. Uplink maximum output power with downlink carrier aggregation active does not show more than ¼ dB higher than the maximum output power without downlink carrier aggregation active, therefore SAR evaluation with downlink carrier aggregation active can be excluded.
3. The device supports downlink two carrier aggregation. For power measurement were control and acknowledge data is sent on uplink channels that operate identical to specifications when downlink carrier aggregation is inactive.
4. Selected highest measured power when downlink carrier aggregation is inactive for conducted power comparison with downlink carrier aggregation is active, to confirm that when downlink carrier aggregation is active uplink maximum output power remains within the specified tune-up tolerance limits and not more than ¼ dB higher than the maximum output power measured when downlink carrier aggregation inactive.
5. For non-contiguous intra-band CA, the SCC selected to provide maximum separation from the PCC and must remain fully within the downlink transmission band.
6. For Intra-band, contiguous CA, the downlink channels selected to perform the uplink power measurement must satisfy 3GPP channel spacing (5.4.1A of 3GPP TS 36.521 or equivalent) and channel bandwidth (5.4.2A) requirements.

$$\text{Nominal channel spacing} = \left\lceil \frac{BW_{\text{Channel}(1)} + BW_{\text{Channel}(2)} - 0.1|BW_{\text{Channel}(1)} - BW_{\text{Channel}(2)}|}{0.6} \right\rceil 0.3 \text{ [MHz]}$$

<Two Carrier power verification>

Configure		PCC							SCC				Power	
		LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)
Inter-Band		5	10	829	20450	QPSK	1	0	25	20	1960	8340	24.38	24.46
		12	10	711	23130	QPSK	1	49	25	20	1960	8340	24.44	24.53
Intra-Band	Non-Contiguous	2	20	1860	18700	QPSK	1	0	2	5	1987.5	1175	24.64	24.73
		4	20	1745	20300	QPSK	1	0	4	5	2112.5	1975	24.61	24.64
		5	10	829	20450	QPSK	1	0	5	5	891.5	2625	24.38	24.46
		7	20	2510	20850	QPSK	1	0	7	5	2687.5	3425	24.60	24.65
		12	5	713.5	23155	QPSK	1	24	12	5	731.5	5035	24.43	24.48
	Contiguous	2	20	1860	18700	QPSK	1	0	2	20	1959.80	898	24.68	24.73
		5	10	829	20450	QPSK	1	0	5	5	881.20	2522	24.39	24.46
		7	20	2510	20850	QPSK	1	0	7	20	2649.80	3048	24.61	24.65
		12	10	711	23130	QPSK	1	49	12	5	733.80	5058	24.48	24.53
		66	15	1745	132322	QPSK	1	0	66	5	2154.30	66879	24.75	24.82
66	20	1770	132572	QPSK	1	0	66	20	2150.20	66838	24.73	24.83		

<Three Carrier power verification>

Configure		PCC							SCC1				SCC2				Power			
		LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)		
Inter-Band		2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	13	10	751	5230	24.72	24.73		
		2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	71	20	634.5	68761	24.66	24.73		
		2	20	1860	18700	QPSK	1	0	5	10	881.5	2525	7	20	2655	3100	24.70	24.73		
		4	20	1745	20300	QPSK	1	0	4	5	2112.5	1975	13	10	751	5230	24.60	24.64		
		4	20	1745	20300	QPSK	1	0	4	5	2112.5	1975	71	20	634.5	68761	24.64	24.64		
		4	20	1745	20300	QPSK	1	0	4	5	2112.5	1975	7	20	2655	3100	24.61	24.64		
		5	10	829	20450	QPSK	1	0	5	5	891.5	2625	66	20	2155	66886	24.42	24.46		
		5	10	829	20450	QPSK	1	0	7	20	2655	3100	7	5	2687.5	3425	24.42	24.46		
		5	10	829	20450	QPSK	1	0	7	20	2655	3100	7	20	2674.8	3298	24.45	24.46		
		7	20	2510	20850	QPSK	1	0	7	5	2687.5	3425	46	20	5537.5	50665	24.60	24.65		
		25	20	1860	26140	QPSK	1	0	25	5	1992.5	8665	26	10	876.5	8865	24.93	24.96		
		66	20	1770	132572	QPSK	1	0	66	20	2150.20	66838	46	20	5537.5	50665	24.83	24.83		
		Intra-Band	Non-Contiguous	25	20	1860	26140	QPSK	1	0	25	5	1992.5	8665	25	5	1960	8340	24.92	24.96
				66	20	1770	132572	QPSK	1	0	66	5	2158.30	66919	66	5	2163.1	66967	24.79	24.83
				66	20	1770	132572	QPSK	1	0	66	5	2158.30	66919	66	15	2167.6	67012	24.77	24.83
66	20			1770	132572	QPSK	1	0	66	5	2158.30	66919	66	20	2170	67036	24.73	24.83		



<Four Carrier power verification>

Configure	PCC							SCC1				SCC2				SCC3				Power		
	LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)	W/O CA Tx.Power (dBm)	
Inter-Band	2	20	1860	18700	QPSK	1	0	12	10	737.5	5095	66	20	2155	66886	66	20	2174.8	67084	24.65	24.73	
	2	20	1860	18700	QPSK	1	0	13	10	751	5230	66	20	2155	66886	66	20	2174.8	67084	24.70	24.73	
	2	20	1860	18700	QPSK	1	0	2	5	1987.5	1175	4	20	2132.5	2175	12	10	737.5	5095	24.68	24.73	
	2	20	1860	18700	QPSK	1	0	2	5	1987.5	1175	4	20	2132.5	2175	4	5	2112.5	1975	24.68	24.73	
	2	20	1860	18700	QPSK	1	0	2	5	1987.5	1175	4	20	2132.5	2175	5	10	881.5	2525	24.72	24.73	
	2	20	1860	18700	QPSK	1	0	2	5	1987.5	1175	66	20	2155	66886	71	20	634.5	68761	24.68	24.73	
	2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	12	5	737.5	5095	12	5	743.5	5155	24.69	24.73	
	2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	12	10	737.5	5095	30	10	2355	9820	24.70	24.73	
	2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	12	10	734	5060	12	5	741.2	5132	24.68	24.73	
	2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	29	10	722.5	9715	30	10	2355	9820	24.67	24.73	
	2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	4	5	2112.5	1975	12	10	737.5	5095	24.69	24.73	
	2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	4	5	2112.5	1975	5	10	881.5	2525	24.66	24.73	
	2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	5	10	881.5	2525	30	10	2355	9820	24.66	24.73	
	2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	5	10	881.5	2525	5	5	888.7	2597	24.70	24.73	
	2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	7	20	2655	3100	12	10	737.5	5095	24.64	24.73	
	2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	7	20	2655	3100	7	5	2687.5	3425	24.64	24.73	
	2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	7	20	2655	3100	7	20	2674.8	3298	24.70	24.73	
	2	20	1860	18700	QPSK	1	0	66	20	2155	66886	66	5	2197.5	67311	71	20	634.5	68761	24.64	24.73	
	2	20	1860	18700	QPSK	1	0	7	20	2655	3100	66	20	2155	66886	66	5	2197.5	67311	24.71	24.73	
	2	20	1860	18700	QPSK	1	0	2	20	1959.8	898	66	20	2155	66886	66	5	2197.5	67311	24.66	24.73	
	2	20	1860	18700	QPSK	1	0	66	20	2155	66886	66	20	2174.8	67084	71	20	634.5	68761	24.66	24.73	
	4	20	1745	20300	QPSK	1	0	4	5	2112.5	1975	12	10	737.5	5095	30	10	2355	9820	24.57	24.64	
	4	20	1745	20300	QPSK	1	0	4	5	2112.5	1975	12	10	734	5060	12	5	741.2	5132	24.60	24.64	
	4	20	1745	20300	QPSK	1	0	4	5	2112.5	1975	5	10	881.5	2525	5	5	888.7	2597	24.62	24.64	
	5	10	829	20450	QPSK	1	0	30	10	2355	9820	66	20	2155	66886	66	5	2158.3	66919	24.41	24.46	
	7	20	2510	20850	QPSK	1	0	7	20	2674.8	3048	66	20	2155	66886	66	5	2197.5	67311	24.64	24.65	
	12	10	711	23130	QPSK	1	49	12	5	733.80	5058	66	20	2155	66886	66	5	2158.3	66919	24.51	24.53	
	13	10	782	23230	QPSK	1	25	66	20	2155	66886	66	5	2197.5	67311	66	20	2120	66536	24.31	24.39	
	25	20	1860	26140	QPSK	1	0	41	20	2593	40620	41	20	2612.8	40818	41	20	2632.6	41016	24.86	24.96	
	30	10	2310	27710	QPSK	1	0	29	10	722.5	9715	66	20	2155	66886	66	5	2197.5	67311	23.75	23.81	
	48	20	3690	56640	QPSK	1	0	48	5	3552.5	55265	66	20	2155	66886	66	5	2197.5	67311	22.31	22.35	
	Intra-Band	Non-Contiguous	41	20	2680	41490	QPSK	1	99	41	5	2502.5	39715	41	20	2593	40620	41	20	2612.8	40818	24.88
Contiguous		48	20	3690	56640	QPSK	1	0	48	20	3670.20	56442	48	20	3650.40	56244	48	20	3630.60	56046	22.27	22.35



<Five Carrier power verification>

Configure	PCC							SCC1				SCC2				SCC3				SCC4				Power				
	LTE Band	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	With CA Tx.Power (dBm)
Inter-Band	2	20	1860	18700	QPSK	1	0	5	10	881.5	2525	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	24.64	24.73			
	2	20	1860	18700	QPSK	1	0	5	10	881.5	2525	48	20	3625	55990	48	5	3697.5	56715	48	20	3685.8	56598	24.63	24.73			
	2	20	1860	18700	QPSK	1	0	5	10	881.5	2525	48	20	3625	55990	48	20	3644.8	56188	66	20	2155	66886	24.68	24.73			
	2	20	1860	18700	QPSK	1	0	12	10	737.5	5095	30	10	2355	9820	66	20	2155	66886	66	5	2197.5	67311	24.67	24.73			
	2	20	1860	18700	QPSK	1	0	13	10	751	5230	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	24.71	24.73			
	2	20	1860	18700	QPSK	1	0	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	66	20	2155	66886	24.45	24.46			
	2	20	1860	18700	QPSK	1	0	13	10	751	5230	66	20	2155	66886	66	5	2197.5	67311	66	15	2188.2	67218	24.63	24.73			
	2	20	1860	18700	QPSK	1	0	14	10	763	5330	30	10	2355	9820	66	20	2155	66886	66	5	2197.5	67311	24.72	24.73			
	2	20	1860	18700	QPSK	1	0	2	5	1987.5	1175	5	10	881.5	2525	30	10	2355	9820	66	20	2155	66886	24.63	24.73			
	2	20	1860	18700	QPSK	1	0	2	5	1987.5	1175	5	10	881.5	2525	66	20	2155	66886	66	5	2197.5	67311	24.73	24.73			
	2	20	1860	18700	QPSK	1	0	2	5	1987.5	1175	12	10	737.5	5095	30	10	2355	9820	66	20	2155	66886	24.73	24.73			
	2	20	1860	18700	QPSK	1	0	2	5	1987.5	1175	12	10	737.5	5095	66	20	2155	66886	66	5	2197.5	67311	24.65	24.73			
	2	20	1860	18700	QPSK	1	0	2	5	1987.5	1175	12	10	734	5060	12	5	741.2	5132	66	20	2155	66886	24.72	24.73			
	2	20	1860	18700	QPSK	1	0	2	5	1987.5	1175	13	10	751	5230	66	20	2155	66886	66	5	2197.5	67311	24.65	24.73			
	2	20	1860	18700	QPSK	1	0	2	5	1987.5	1175	14	10	763	5330	30	10	2355	9820	66	20	2155	66886	24.71	24.73			
	2	20	1860	18700	QPSK	1	0	2	5	1987.5	1175	14	10	763	5330	66	20	2155	66886	66	5	2197.5	67311	24.68	24.73			
	2	20	1860	18700	QPSK	1	0	2	5	1987.5	1175	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	24.67	24.73			
	2	20	1860	18700	QPSK	1	0	2	5	1987.5	1175	5	10	881.5	2525	66	15	2155	66886	66	5	2174.8	67084	24.65	24.73			
	2	20	1860	18700	QPSK	1	0	2	5	1987.5	1175	5	10	881.5	2525	66	20	2155	66886	66	20	2174.8	67084	24.63	24.73			
	2	20	1860	18700	QPSK	1	0	2	5	1987.5	1175	29	10	722.5	9715	30	10	2355	9820	66	20	2155	66886	24.67	24.73			
	2	20	1860	18700	QPSK	1	0	2	5	1987.5	1175	7	20	2655	3100	12	10	737.5	5095	66	20	2155	66886	24.66	24.73			
	2	20	1860	18700	QPSK	1	0	46	20	5537.5	50665	46	10	5920	54490	46	20	5910.1	54391	66	20	2155	66886	24.68	24.73			
	2	20	1860	18700	QPSK	1	0	46	20	5537.5	50665	46	20	5557.3	50863	46	10	5155	46840	46	20	5174.8	47038	24.67	24.73			
	2	20	1860	18700	QPSK	1	0	46	20	5537.5	50665	46	10	5920	54490	46	20	5900.2	54292	46	20	5880.4	54094	24.70	24.73			
	2	20	1860	18700	QPSK	1	0	48	20	3625	55990	48	5	3697.5	56715	48	20	3685.8	56598	66	20	2155	66886	24.72	24.73			
	2	20	1860	18700	QPSK	1	0	48	20	3625	55990	48	5	3697.5	56715	48	20	3685.8	56598	48	20	3666	56400	24.71	24.73			
	2	20	1860	18700	QPSK	1	0	48	20	3625	55990	48	20	3644.8	56188	48	5	3552.5	52625	48	20	3564.2	55382	24.72	24.73			
	2	20	1860	18700	QPSK	1	0	5	10	881.5	2525	30	10	2355	9820	66	20	2155	66886	66	5	2197.5	67311	24.68	24.73			
	2	20	1860	18700	QPSK	1	0	5	10	881.5	2525	48	20	3625	55990	48	5	3697.5	56715	66	20	2155	66886	24.72	24.73			
	2	20	1860	18700	QPSK	1	0	5	10	881.5	2525	48	20	3625	55990	48	20	3644.8	56188	48	20	3664.6	56386	24.69	24.73			
	2	20	1860	18700	QPSK	1	0	5	10	881.5	2525	5	5	888.7	2597	30	10	2355	9820	66	20	2155	66886	24.68	24.73			
	2	20	1860	18700	QPSK	1	0	5	10	881.5	2525	5	5	888.7	2597	66	20	2155	66886	66	5	2197.5	67311	24.63	24.73			
2	20	1860	18700	QPSK	1	0	5	10	881.5	2525	5	5	888.7	2597	66	15	2155	66886	66	5	2174.8	67084	24.64	24.73				
2	20	1860	18700	QPSK	1	0	5	10	881.5	2525	5	5	888.7	2597	66	20	2155	66886	66	20	2174.8	67084	24.65	24.73				
2	20	1860	18700	QPSK	1	0	7	20	2655	3100	12	10	734	5060	12	5	741.2	5132	66	20	2155	66886	24.70	24.73				
2	20	1860	18700	QPSK	1	0	13	10	751	5230	48	20	3625	55990	48	5	3697.5	56715	66	20	2155	66886	24.71	24.73				
2	20	1860	18700	QPSK	1	0	13	10	751	5230	48	20	3625	55990	48	5	3697.5	56715	48	20	3685.8	56598	24.65	24.73				
2	20	1860	18700	QPSK	1	0	13	10	751	5230	48	20	3625	55990	48	20	3644.8	56188	66	20	2155	66886	24.71	24.73				
2	20	1860	18700	QPSK	1	0	13	10	751	5230	48	20	3625	55990	48	20	3644.8	56188	48	20	3664.6	56386	24.64	24.73				
2	20	1860	18700	QPSK	1	0	14	10	763	5330	66	20	2155	66886	66	5	2197.5	67311	66	20	2120	66536	24.65	24.73				
2	20	1860	18700	QPSK	1	0	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	66	20	5596.9	51259	24.55	24.62				
2	20	1860	18700	QPSK	1	0	48	20	3625	55990	48	20	3644.8	56188	48	20	3664.6	56386	66	20	2155	66886	24.58	24.61				
2	20	1860	18700	QPSK	1	0	48	20	3625	55990	48	20	3644.8	56188	48	20	3664.6	56386	48	20	3684.4	56584	24.65	24.68				
4	20	1745	20300	QPSK	1	0	46	20	5537.5	50665	46	10	5920	54490	46	20	5900.2	54292	46	20	5880.4	54094	24.63	24.64				
4	20	1745	20300	QPSK	1	0	48	20	3625	55990	48	20	3644.8	56188	48	20	3664.6	56386	48	20	3684.4	56584	24.56	24.64				
5	10	829	20450	QPSK	1	0	48	20	3625	55990	48	5	3697.5	56715	48	20	3685.8	56598	48	20	3666	56400	24.46	24.46				
5	10	829	20450	QPSK	1	0	48	20	3625	55990	48	20	3644.8	56188	48	20	3664.6	56386	66	20	2155	66886	24.37	24.46				
5	10	829	20450	QPSK	1	0	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	66	20	2155	66886	24.45	24.46				
5	10	829	20450	QPSK	1	0	48	20	3625	55990	48	5	3697.5	56715	48	20	3685.8	56598	66	20	2155	66886	24.44	24.46				
5	10	829	20450	QPSK	1	0	48	20	3625	55990	48	20	3644.8	56188	48	5	3552.5	52625	48	20	3564.2	55382	24.42	24.46				
5	10	829	20450	QPSK	1	0	48	20	3625	55990	48	20	3644.8	56188	48	20	3664.6	56386	48	20	3684.4	56584	24.39	24.46				
5	10	829	20450	QPSK	1	0	5	5	891.5	2625	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	24.40	24.46				
7	20	2510	20850	QPSK	1	0	7	20	2674.8	3048	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	24.63	24.65				
13	10	782	23230	QPSK	1	25	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	66	20	2155	66886	24.29	24.39				
13	10	782	23230	QPSK	1	25	48	20	3625	55990	48	5	3697.5	56715	48	20	3685.8	56598	66	20	2155	66886	24.36	24.39				
13	10	782	23230	QPSK	1	25	48	20	3625	55990	48	5	3697.5	56715	48	20	3685.8	56598	48	20	3666	56400	24.32	24				



	66	20	1770	132572	QPSK	1	0	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	66	20	2155	66886	24.77	24.74		
	66	20	1770	132572	QPSK	1	0	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	46	20	5596.9	51259	24.70	24.71		
	66	20	1770	132572	QPSK	1	0	46	20	5537.5	50665	46	10	5920	54490	46	20	5900.2	54292	46	20	5880.4	54094	24.78	24.83		
	66	20	1770	132572	QPSK	1	0	46	20	5537.5	50665	46	20	5557.3	50863	46	10	5155	46840	46	20	5174.8	47038	24.81	24.83		
	66	20	1770	132572	QPSK	1	0	66	5	2197.5	67311	66	5	2155	66886	46	20	5900.2	54292	46	20	5557.3	50863	24.82	24.83		
	66	20	1770	132572	QPSK	1	0	66	5	2197.5	67311	46	10	5920	54490	46	20	5900.2	54292	46	20	5880.4	54094	24.80	24.83		
	48	20	3690	56640	QPSK	1	0	48	5	3552.5	55265	48	20	3564.2	55148	66	15	2155	66886	66	5	2174.8	67084	22.29	22.35		
	48	20	3690	56640	QPSK	1	0	48	5	3552.5	55265	48	20	3564.2	55148	66	20	2155	66886	66	20	2174.8	67084	22.27	22.35		
	48	20	3690	56640	QPSK	1	0	48	5	3552.5	55265	48	20	3564.2	55148	48	20	3584	55346	66	20	2155	66886	22.30	22.35		
	48	20	3690	56640	QPSK	1	0	48	20	3670.2	56442	48	5	3552.5	55265	48	20	3564.2	55148	66	20	2155	66886	22.32	22.35		
	48	20	3690	56640	QPSK	1	0	48	20	3670.2	56442	66	20	2155	66886	66	5	2197.5	67311	66	20	2120	66536	22.28	22.35		
	48	20	3690	56640	QPSK	1	0	48	20	3670.2	56442	48	20	3650.40	56244	48	20	3630.60	56046	66	20	2155	66886	22.27	22.34		
	Intra-Band	Non-Contiguous	41	20	2680	41490	QPSK	1	99	41	20	2660.2	41292	41	5	2502.5	39715	41	20	2514.2	39832	41	20	2525.9	39949	24.91	24.92
			48	20	3690	56640	QPSK	1	0	48	20	3670.2	56442	48	5	3552.5	55265	48	20	3564.2	55148	48	20	3584	55346	22.32	22.35
	Intra-Band	Contiguous	41	20	2680	41490	QPSK	1	99	41	20	2660.2	41292	41	20	2640.40	41094	41	20	2620.60	40896	41	20	2600.80	40698	24.88	24.92

<Uplink Carrier Aggregation Active>

<Intra-Band Uplink carrier aggregation>

General Note:

- The device supports intra-band uplink carrier aggregation for LTE B5/41/48/66 with a maximum of two 20MHz component carriers. For intra band contiguous carrier aggregation scenarios, 3GPP 36.101 table 6.2.2A-1 specifies that the aggregate maximum allowed output power is equivalent to the single carrier scenario. 3GPP 36.101 6.2.3A allows for several dB of MPR to be applied when not-contiguous RB allocation is implemented. The conducted power and MPR setting in this device are permanently implemented pre 3GPP requirement.
- According TCB workshop, the output power with uplink CA active was measured for the configuration with the highest reported SAR with single carrier for each exposure condition. The power was measured with wideband signal integration over both component carriers.
- Uplink CA is only operating with power class3, and additional SAR measurement for LTE UL CA whit other DL CA combinations active were not required since the maximum output power for this configuration was not > 0.25dB higher than the maximum output power for UL CA active.

<Standalone>

<Head>

CA_5B_Ant 0C											
Combination 10MHz+10MHz (50RB+50RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset					
20450	20549	QPSK	1	0	0	0	1	0	23.21	25	
20575	20476	QPSK	1	0	1	49	2	0	23.22	25	
20600	20501	QPSK	1	0	1	49	2	0	23.11	25	

CA_5B_Ant 1											
Combination 10MHz+10MHz (50RB+50RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset					
20450	20549	QPSK	1	0	0	0	1	0	20.15	22	
20575	20476	QPSK	1	0	1	49	2	0	20.25	22	
20600	20501	QPSK	1	0	1	49	2	0	20.12	22	

CA_41C_Ant 0B/0C											
Combination 20MHz+20MHz (100RB+100RB)											
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)	
			RB Size	RB offset	RB Size	RB offset					
39750	39948	QPSK	1	0	0	0	1	0	24.2	25	
40185	39987	QPSK	1	0	1	99	2	0	24.12	25	
40620	40422	QPSK	1	0	1	99	2	0	24.05	25	
41055	40857	QPSK	1	0	1	99	2	0	24.15	25	
41490	41292	QPSK	1	0	1	99	2	0	24.11	25	



CA_41C_Ant 1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	18.75	20.6
40185	39987	QPSK	1	0	1	99	2	0	18.65	20.6
40620	40422	QPSK	1	0	1	99	2	0	18.64	20.6
41055	40857	QPSK	1	0	1	99	2	0	18.63	20.6
41490	41292	QPSK	1	0	1	99	2	0	18.62	20.6

CA_41C_HPUE_Ant 0B/0C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	26.25	27
40185	39987	QPSK	1	0	1	99	2	0	26.15	27
40620	40422	QPSK	1	0	1	99	2	0	26.1	27
41055	40857	QPSK	1	0	1	99	2	0	26.14	27
41490	41292	QPSK	1	0	1	99	2	0	26.12	27

CA_41C_HPUE_Ant 1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	21.82	22.9
40185	39987	QPSK	1	0	1	99	2	0	21.61	22.9
40620	40422	QPSK	1	0	1	99	2	0	21.61	22.9
41055	40857	QPSK	1	0	1	99	2	0	21.75	22.9
41490	41292	QPSK	1	0	1	99	2	0	21.71	22.9

CA_66B_Ant 0B/0C										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	0	0	1	0	24.77	25
132322	132229	QPSK	1	0	1	24	2	0	24.82	25
132597	132504	QPSK	1	0	1	24	2	0	24.62	25

CA_66B_Ant 1										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	0	0	1	0	20.27	21.8
132322	132229	QPSK	1	0	1	24	2	0	20.35	21.8
132597	132504	QPSK	1	0	1	24	2	0	20.15	21.8

CA_66C_Ant 0B/0C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	0	0	0	1	0	24.71	25
132322	132124	QPSK	1	0	1	99	2	0	24.69	25
132572	132374	QPSK	1	0	1	99	2	0	24.68	25



CA_66C_Ant 1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	0	0	0	1	0	20.24	21.8
132322	132124	QPSK	1	0	1	99	2	0	20.21	21.8
132572	132374	QPSK	1	0	1	99	2	0	20.15	21.8

CA_48C_Ant 1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
55340	55538	QPSK	1	0	0	0	1	0	20	21.9
55830	55632	QPSK	1	0	1	99	2	0	19.96	21.9
56150	55952	QPSK	1	0	1	99	2	0	19.95	21.9
56640	56442	QPSK	1	0	1	99	2	0	19.9	21.9

CA_48C_Ant 6										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
55340	55538	QPSK	1	0	0	0	1	0	22	23
55830	55632	QPSK	1	0	1	99	2	0	21.85	23
56150	55952	QPSK	1	0	1	99	2	0	21.95	23
56640	56442	QPSK	1	0	1	99	2	0	21.9	23

<Body-worn/Extremity>

CA_5B_Ant 0C										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20549	QPSK	1	0	0	0	1	0	22.85	24.5
20575	20476	QPSK	1	0	1	49	2	0	22.99	24.5
20600	20501	QPSK	1	0	1	49	2	0	22.72	24.5

CA_5B_Ant 1										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20549	QPSK	1	0	0	0	1	0	23.21	25
20575	20476	QPSK	1	0	1	49	2	0	23.22	25
20600	20501	QPSK	1	0	1	49	2	0	23.11	25

CA_41C_Ant 1/0B/0C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	24.2	25
40185	39987	QPSK	1	0	1	99	2	0	24.12	25
40620	40422	QPSK	1	0	1	99	2	0	24.05	25
41055	40857	QPSK	1	0	1	99	2	0	24.15	25
41490	41292	QPSK	1	0	1	99	2	0	24.11	25



CA_41C_HPUE_Ant 1/0B/0C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	26.25	27
40185	39987	QPSK	1	0	1	99	2	0	26.15	27
40620	40422	QPSK	1	0	1	99	2	0	26.1	27
41055	40857	QPSK	1	0	1	99	2	0	26.14	27
41490	41292	QPSK	1	0	1	99	2	0	26.12	27

CA_66B_Ant 1/0B/0C										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	0	0	1	0	24.77	25
132322	132229	QPSK	1	0	1	24	2	0	24.82	25
132597	132504	QPSK	1	0	1	24	2	0	24.62	25

CA_66C_Ant 10B/0C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	0	0	0	1	0	24.71	25
132322	132124	QPSK	1	0	1	99	2	0	24.69	25
132572	132374	QPSK	1	0	1	99	2	0	24.68	25

CA_48C_Ant 1/6										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
55340	55538	QPSK	1	0	0	0	1	0	22	23
55830	55632	QPSK	1	0	1	99	2	0	21.85	23
56150	55952	QPSK	1	0	1	99	2	0	21.95	23
56640	56442	QPSK	1	0	1	99	2	0	21.9	23

<Simultaneous Transmission is active>

<Head>

CA_5B_Ant 0C										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20549	QPSK	1	0	0	0	1	0	23.21	25
20575	20476	QPSK	1	0	1	49	2	0	23.22	25
20600	20501	QPSK	1	0	1	49	2	0	23.11	25

CA_5B_Ant 1										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20549	QPSK	1	0	0	0	1	0	18.65	20.5
20575	20476	QPSK	1	0	1	49	2	0	18.72	20.5
20600	20501	QPSK	1	0	1	49	2	0	18.62	20.5



CA_41C_Ant 0B/0C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	24.20	25
40185	39987	QPSK	1	0	1	99	2	0	24.12	25
40620	40422	QPSK	1	0	1	99	2	0	24.05	25
41055	40857	QPSK	1	0	1	99	2	0	24.15	25
41490	41292	QPSK	1	0	1	99	2	0	24.11	25

CA_41C_Ant 1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	18.25	19
40185	39987	QPSK	1	0	1	99	2	0	18.15	19
40620	40422	QPSK	1	0	1	99	2	0	18.11	19
41055	40857	QPSK	1	0	1	99	2	0	18.16	19
41490	41292	QPSK	1	0	1	99	2	0	18.12	19

CA_41C_HPUE_Ant 0B/0C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	26.25	27
40185	39987	QPSK	1	0	1	99	2	0	26.15	27
40620	40422	QPSK	1	0	1	99	2	0	26.1	27
41055	40857	QPSK	1	0	1	99	2	0	26.14	27
41490	41292	QPSK	1	0	1	99	2	0	26.12	27

CA_41C_HPUE_Ant 1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	20.32	21
40185	39987	QPSK	1	0	1	99	2	0	20.11	21
40620	40422	QPSK	1	0	1	99	2	0	20.11	21
41055	40857	QPSK	1	0	1	99	2	0	20.25	21
41490	41292	QPSK	1	0	1	99	2	0	20.21	21

CA_66B_Ant 0B/0C										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	0	0	1	0	24.77	25
132322	132229	QPSK	1	0	1	24	2	0	24.82	25
132597	132504	QPSK	1	0	1	24	2	0	24.62	25



CA_66B_Ant 1										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	0	0	1	0	20.27	20.5
132322	132229	QPSK	1	0	1	24	2	0	20.35	20.5
132597	132504	QPSK	1	0	1	24	2	0	20.15	20.5

CA_66C_Ant 0B/0C										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	0	0	0	1	0	24.71	25
132322	132124	QPSK	1	0	1	99	2	0	24.69	25
132572	132374	QPSK	1	0	1	99	2	0	24.68	25

CA_66C_Ant 1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	0	0	0	1	0	20.24	20.5
132322	132124	QPSK	1	0	1	99	2	0	20.21	20.5
132572	132374	QPSK	1	0	1	99	2	0	20.15	20.5

CA_48C_Ant 1										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
55340	55538	QPSK	1	0	0	0	1	0	19.5	20.5
55830	55632	QPSK	1	0	1	99	2	0	19.35	20.5
56150	55952	QPSK	1	0	1	99	2	0	19.45	20.5
56640	56442	QPSK	1	0	1	99	2	0	19.4	20.5

CA_48C_Ant 6										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
55340	55538	QPSK	1	0	0	0	1	0	22	23
55830	55632	QPSK	1	0	1	99	2	0	21.85	23
56150	55952	QPSK	1	0	1	99	2	0	21.95	23
56640	56442	QPSK	1	0	1	99	2	0	21.9	23

<Hotspot / Body-worn/Extremity>

CA_5B_Ant 0C										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20549	QPSK	1	0	0	0	1	0	21.85	23.5
20575	20476	QPSK	1	0	1	49	2	0	21.99	23.5
20600	20501	QPSK	1	0	1	49	2	0	21.72	23.5



CA_5B_Ant 1										
Combination 10MHz+10MHz (50RB+50RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20450	20549	QPSK	1	0	0	0	1	0	23.21	25
20575	20476	QPSK	1	0	1	49	2	0	23.22	25
20600	20501	QPSK	1	0	1	49	2	0	23.11	25

CA_41C_Ant 0B_Body-worn/Extremity, Ant 0C_Hotspot/body-worn/Extremity										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	24.2	25
40185	39987	QPSK	1	0	1	99	2	0	24.12	25
40620	40422	QPSK	1	0	1	99	2	0	24.05	25
41055	40857	QPSK	1	0	1	99	2	0	24.15	25
41490	41292	QPSK	1	0	1	99	2	0	24.11	25

CA_41C_Ant 0B_Hotspot										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	23.7	24.5
40185	39987	QPSK	1	0	1	99	2	0	23.62	24.5
40620	40422	QPSK	1	0	1	99	2	0	23.55	24.5
41055	40857	QPSK	1	0	1	99	2	0	23.65	24.5
41490	41292	QPSK	1	0	1	99	2	0	23.61	24.5

CA_41C_Ant 1_Hotspot										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	22.8	23.5
40185	39987	QPSK	1	0	1	99	2	0	22.72	23.5
40620	40422	QPSK	1	0	1	99	2	0	22.55	23.5
41055	40857	QPSK	1	0	1	99	2	0	22.68	23.5
41490	41292	QPSK	1	0	1	99	2	0	22.61	23.5

CA_41C_Ant 1_Body-worn/Extremity										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	23.7	24
40185	39987	QPSK	1	0	1	99	2	0	23.62	24
40620	40422	QPSK	1	0	1	99	2	0	23.55	24
41055	40857	QPSK	1	0	1	99	2	0	23.65	24
41490	41292	QPSK	1	0	1	99	2	0	23.61	24



CA_41C_HPUE_Ant 0B_Body-worn/Extremity, Ant 0C_Hotspot/body-worn/Extremity										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	26.25	27
40185	39987	QPSK	1	0	1	99	2	0	26.15	27
40620	40422	QPSK	1	0	1	99	2	0	26.1	27
41055	40857	QPSK	1	0	1	99	2	0	26.14	27
41490	41292	QPSK	1	0	1	99	2	0	26.12	27

CA_41C_HPUE_Ant 0B_Hotspot, Ant 1 Body-worn/Extremity										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	25.72	26.5
40185	39987	QPSK	1	0	1	99	2	0	25.62	26.5
40620	40422	QPSK	1	0	1	99	2	0	25.6	26.5
41055	40857	QPSK	1	0	1	99	2	0	25.65	26.5
41490	41292	QPSK	1	0	1	99	2	0	25.62	26.5

CA_41C_HPUE_Ant 1_Hotspot										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	0	0	0	1	0	24.85	25.5
40185	39987	QPSK	1	0	1	99	2	0	24.72	25.5
40620	40422	QPSK	1	0	1	99	2	0	24.55	25.5
41055	40857	QPSK	1	0	1	99	2	0	24.72	25.5
41490	41292	QPSK	1	0	1	99	2	0	24.61	25.5

CA_66B_Ant 0B/0C_Hotspot/Body-worn/Extremity										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	0	0	1	0	24.77	25
132322	132229	QPSK	1	0	1	24	2	0	24.82	25
132597	132504	QPSK	1	0	1	24	2	0	24.62	25

CA_66B_Ant 1_Hotspot/Body-worn/Extremity										
Combination 15MHz+5MHz (75RB+25RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132047	132140	QPSK	1	0	0	0	1	0	23.8	24
132322	132229	QPSK	1	0	1	24	2	0	23.85	24
132597	132504	QPSK	1	0	1	24	2	0	23.71	24

CA_66C_Ant 0B/0C_Hotspot/Body-worn/Extremity										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	0	0	0	1	0	24.71	25
132322	132124	QPSK	1	0	1	99	2	0	24.69	25
132572	132374	QPSK	1	0	1	99	2	0	24.68	25



CA_66C_Ant 1_Hotspot/Body-worn/Extremity										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
132072	132270	QPSK	1	0	0	0	1	0	23.8	24
132322	132124	QPSK	1	0	1	99	2	0	23.65	24
132572	132374	QPSK	1	0	1	99	2	0	23.72	24

CA_48C_Ant 1/6_Hotspot/Body-worn/Extremity										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
55340	55538	QPSK	1	0	0	0	1	0	22	23
55830	55632	QPSK	1	0	1	99	2	0	21.85	23
56150	55952	QPSK	1	0	1	99	2	0	21.95	23
56640	56442	QPSK	1	0	1	99	2	0	21.9	23

14. RF Exposure position consideration

Distance of the Antenna to the EUT surface/edge						
Antennas	Front	Back	Top Side	Bottom Side	Right Side	Left Side
WWAN Ant 0B	≤ 25mm	≤ 25mm	>25mm	≤ 25mm	≤ 25mm	>25mm
WWAN Ant 0C	≤ 25mm	≤ 25mm	>25mm	≤ 25mm	>25mm	≤ 25mm
WWAN Ant 1	≤ 25mm	≤ 25mm	≤ 25mm	>25mm	>25mm	≤ 25mm
WWAN Ant 6	≤ 25mm	≤ 25mm	>25mm	≤ 25mm	>25mm	≤ 25mm
2.4GHz WLAN/BT Ant 2	≤ 25mm	≤ 25mm	≤ 25mm	>25mm	>25mm	≤ 25mm
2.4GHz WLAN Ant 4	≤ 25mm	≤ 25mm	≤ 25mm	>25mm	≤ 25mm	>25mm
5GHz WLAN Ant 4	≤ 25mm	≤ 25mm	≤ 25mm	>25mm	≤ 25mm	>25mm
5GHz WLAN Ant 5	≤ 25mm	≤ 25mm	≤ 25mm	>25mm	>25mm	≤ 25mm

Positions for SAR tests; Hotspot mode						
Antennas	Front	Back	Top Side	Bottom Side	Right Side	Left Side
WWAN Ant 0B	Yes	Yes	No	Yes	Yes	Yes
WWAN Ant 0C	Yes	Yes	No	Yes	No	Yes
WWAN Ant 1	Yes	Yes	Yes	No	No	Yes
WWAN Ant 6	Yes	Yes	Yes	Yes	No	Yes
2.4GHz WLAN/BT Ant 2	Yes	Yes	Yes	No	No	Yes
2.4GHz WLAN Ant 4	Yes	Yes	Yes	No	Yes	No
5GHz WLAN Ant 4	Yes	Yes	Yes	No	Yes	No
5GHz WLAN Ant 5	Yes	Yes	Yes	No	No	Yes

General Note:

- Referring to KDB 941225 D06 v02r01, when the overall device length and width are ≥ 9cm*5cm, the test distance is 10 mm. SAR must be measured for all sides and surfaces with a transmitting antenna located within 25mm from that surface or edge
- The detail antenna location refers to operation description.



15. SAR Test Results

General Note:

1. Per KDB 447498 D01v06, the reported SAR is the measured SAR value adjusted for maximum tune-up tolerance.
 - a. Tune-up scaling Factor = tune-up limit power (mW) / EUT RF power (mW), where tune-up limit is the maximum rated power among all production units.
 - b. For SAR testing of signal with non-100% duty cycle, the measured SAR is scaled-up by the duty cycle scaling factor which is equal to "1/(duty cycle)"
 - c. For WWAN: Reported SAR(W/kg)= Measured SAR(W/kg)*Tune-up Scaling Factor
 - d. For WLAN/Bluetooth: Reported SAR(W/kg)= Measured SAR(W/kg)* Duty Cycle scaling factor * Tune-up scaling factor
 - e. For TDD LTE SAR measurement, the duty cycle 1:1.59 (62.9 %) was used perform testing and considering the theoretical duty cycle of 63.3% for extended cyclic prefix in the uplink, and the theoretical duty cycle of 62.9% for normal cyclic prefix in uplink, a scaling factor of extended cyclic prefix 63.3%/62.9% = 1.006 is applied to scale-up the measured SAR result. The Reported TDD LTE SAR = measured SAR (W/kg)* Tune-up Scaling Factor* scaling factor for extended cyclic prefix.
2. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is ≥ 0.8 W/kg.
3. Per KDB648474 D04v01r03, when the reported SAR for a body-worn accessory, measured without a headset connected to the handset, is > 1.2 W/kg, the highest reported SAR configuration for that wireless mode and frequency band should be repeated for that body-worn accessory with a headset attached to the handset.
4. Per KDB648474 D04v01r03, for smart phones with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm, when hotspot mode applies, 10-g product specific SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg, however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold, for this device that the WWAN transmitter in hotspot mode scaled to simultaneous transmission mode power level is less than 1.2W/kg, therefore extremity SAR is not require when simultaneous transmission is active, For conservative assessment the WWAN transmitter in hotspot mode scaled to standalone power level is higher than 1.2W/kg of CDMA, LTE B7/B3/B41 and 2.4GHz WLAN, therefore, therefore, extremity SAR is for conservative testing, and simultaneous transmission analysis is not required for these test results.
5. For 5.3GHz / 5.5GHz WLAN product specific SAR is necessary too, due to an overall diagonal dimension is > 16 cm.

GSM Note:

1. Per KDB 941225 D01v03r01, for SAR test reduction for GSM / GPRS / EDGE / DTM modes is determined by the source-based time-averaged output power including tune-up tolerance. The mode with highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions. For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested. Therefore, the GPRS (4Tx slots) for GSM850/GSM1900 is considered as the primary mode.
2. Other configurations of GSM / GPRS / EDGE / DTM are considered as secondary modes. The 3G SAR test reduction procedure is applied, when the maximum output power and tune-up tolerance specified for production units in a secondary mode is $\leq \frac{1}{4}$ dB higher than the primary mode, SAR measurement is not required for the secondary mode.

UMTS Note:

1. Per KDB 941225 D01v03r01, for SAR testing is measured using a 12.2 kbps RMC with TPC bits configured to all "1's".
2. Per KDB 941225 D01v03r01, RMC 12.2kbps setting is used to evaluate SAR. The maximum output power and tune-up tolerance specified for production units in HSDPA / HSUPA / DC-HSDPA is $\leq \frac{1}{4}$ dB higher than RMC 12.2Kbps or when the highest reported SAR of the RMC12.2Kbps is scaled by the ratio of specified maximum output power and tune-up tolerance of HSDPA / HSUPA / DC-HSDPA to RMC12.2Kbps and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA, and according to the following RF output power, the output power results of the secondary modes (HSUPA, HSDPA, DC-HSDPA) are less than $\frac{1}{4}$ dB higher than the primary modes; therefore, SAR measurement is not required for HSDPA / HSUPA / DC-HSDPA.

**CDMA Note:**

1. Per KDB 941225 D01v03r01, SAR for next to the ear head exposure is measured in RC3 with the handset configured to transmit at full rate in SO55.
2. Per KDB 941225 D01v03r01, in Hotspot mode EUT is treated as data device and SAR is tested with Ev-Do Rev 0 (RTAP 153.6kbps) as the primary mode.
3. Per KDB 941225 D01v03r01, for Body-worn accessory SAR is measured in RC3 with the handset configured in TDSO/SO32 to transmit at full rate on FCH only with all other code channels disabled. The body-worn accessory procedures in KDB Publication 447498 are applied. The 3G SAR test reduction procedure is applied to the multiple code channel configuration (FCH+SCH), with FCH only as the primary mode.

LTE Note:

1. Per KDB 941225 D05v02r05, start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
2. Per KDB 941225 D05v02r05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
3. Per KDB 941225 D05v02r05, For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.
4. Per KDB 941225 D05v02r05, 16QAM output power for each RB allocation configuration is $>$ not $\frac{1}{2}$ dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is ≤ 1.45 W/kg; Per KDB 941225 D05v02r05, 16QAM SAR testing is not required.
5. Per KDB 941225 D05v02r05, Smaller bandwidth output power for each RB allocation configuration is $>$ not $\frac{1}{2}$ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg; Per KDB 941225 D05v02r05, smaller bandwidth SAR testing is not required.
6. For LTE B12/B14/B26//B30B71 the maximum bandwidth does not support three non-overlapping channels, per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.
7. LTE B2/B4/B5/B17/B38 SAR test was covered by B12/B25/B26/B66/B41; according to TCB workshop, SAR test for overlapping LTE bands can be reduced if
 - a. The maximum output power, including tolerance, for the smaller band is \leq the larger band to qualify for the SAR test exclusion.
 - b. The channel bandwidth and other operating parameters for the smaller band are fully supported by the larger band.
8. For UL CA, SAR was first measured with only a single carrier active in the uplink (CA non-active) for each exposure condition; the uplink CA scenario with two component carriers was additionally tested for the configuration with the highest SAR when UL CA was not active. The SCC was configured with the closest available contiguous channel. The two component carriers were configured so the resource blocks are physically allocated side by side to achieve the maximum output power
9. This device supports UL CA active with power class 2. Highest SAR test configuration for each exposure condition in power class 3 with UL CA active was repeated with power class 2 with UL CA active for LTE B41.
10. PC2: Power Class 2



WLAN Note:

1. Per KDB 248227 D01v02r02, for 2.4GHz 802.11g/n SAR testing is not required when the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.
2. Per KDB 248227 D01v02r02, U-NII-1 SAR testing is not required when the U-NII-2A band highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band.
3. When the reported SAR of the test position is > 0.4 W/kg, SAR is repeated for the 802.11 transmission mode configuration tested in the initial test position to measure the subsequent next closet/smallest test separation distance and maximum coupling test position on the highest maximum output power channel, until the report SAR is ≤ 0.8 W/kg or all required test position are tested.
4. For all positions / configurations, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions / configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.
5. For each antenna, transmit power in SISO operation is larger than (or equal to) the power in MIMO operation, RF exposure compliance of MIMO mode can be deduced from the compliance simultaneous transmission of antennas operating in SISO mode.
6. Per KDB 248227 D01v02r02, the simultaneous SAR provisions in KDB publication 447498 should be applied to determine simultaneous transmission SAR test exclusion for WiFi MIMO. If the sum of 1g single transmission chain SAR measurements is < 1.6 W/kg and SAR peak to location ratio ≤ 0.04 , no additional SAR measurements for MIMO.
7. When in MIMO SAR testing, if the hot spots are separated the scaling factor would scale each hot spot based on the difference between the power for that transmit antenna and the maximum rated power, if the hot spot were not separable or too much overlap which the scaling factor is the worst case rated power/measured power across the two chains in SAR calculation.
8. During SAR testing the WLAN transmission was verified using a spectrum analyzer.

15.1 Head SAR

<GSM SAR>

Standalone												
Plot No.	Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	GSM850_ANT 1	GPRS (4 Tx slots)	Right Cheek	0mm	128	824.2	25.97	27.50	1.422	0.03	0.850	1.209
	GSM850_ANT 1	GPRS (4 Tx slots)	Right Cheek	0mm	189	836.4	25.95	27.50	1.429	0.02	0.895	1.279
01	GSM850_ANT 1	GPRS (4 Tx slots)	Right Cheek	0mm	251	848.8	25.76	27.50	1.493	0.1	0.902	1.347
	GSM850_ANT 1	GPRS (4 Tx slots)	Right Tilted	0mm	128	824.2	25.97	27.50	1.422	0.014	0.551	0.784
	GSM850_ANT 1	GPRS (4 Tx slots)	Left Cheek	0mm	128	824.2	25.97	27.50	1.422	0.05	0.475	0.676
	GSM850_ANT 1	GPRS (4 Tx slots)	Left Tilted	0mm	128	824.2	25.97	27.50	1.422	0.15	0.388	0.552
	GSM850_ANT 0C	GPRS (4 Tx slots)	Right Cheek	0mm	128	824.2	28.44	29.00	1.138	0.03	0.167	0.190
	GSM850_ANT 0C	GPRS (4 Tx slots)	Right Tilted	0mm	128	824.2	28.44	29.00	1.138	0.02	0.098	0.111
	GSM850_ANT 0C	GPRS (4 Tx slots)	Left Cheek	0mm	128	824.2	28.44	29.00	1.138	0.02	0.247	0.281
	GSM850_ANT 0C	GPRS (4 Tx slots)	Left Cheek	0mm	189	836.4	28.42	29.00	1.143	0.09	0.220	0.251
	GSM850_ANT 0C	GPRS (4 Tx slots)	Left Cheek	0mm	251	848.8	28.27	29.00	1.183	0.12	0.215	0.254
	GSM850_ANT 0C	GPRS (4 Tx slots)	Left Tilted	0mm	128	824.2	28.44	29.00	1.138	0.03	0.159	0.181
Simultaneous Transmission is active												
Plot No.	Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	GSM850_ANT 1	GPRS (4 Tx slots)	Right Cheek	0mm	128	824.2	25.97	26.00	1.007	0.03	0.850	0.856
	GSM850_ANT 1	GPRS (4 Tx slots)	Right Cheek	0mm	189	836.4	25.95	26.00	1.012	0.02	0.895	0.905
	GSM850_ANT 1	GPRS (4 Tx slots)	Right Cheek	0mm	251	848.8	25.76	26.00	1.057	0.1	0.902	0.953
	GSM850_ANT 1	GPRS (4 Tx slots)	Right Tilted	0mm	128	824.2	25.97	26.00	1.007	0.014	0.551	0.555
	GSM850_ANT 1	GPRS (4 Tx slots)	Left Cheek	0mm	128	824.2	25.97	26.00	1.007	0.05	0.475	0.478
	GSM850_ANT 1	GPRS (4 Tx slots)	Left Tilted	0mm	128	824.2	25.97	26.00	1.007	0.15	0.388	0.391
	GSM850_ANT 0C	GPRS (4 Tx slots)	Right Cheek	0mm	128	824.2	28.44	29.00	1.138	0.03	0.167	0.190
	GSM850_ANT 0C	GPRS (4 Tx slots)	Right Tilted	0mm	128	824.2	28.44	29.00	1.138	0.02	0.098	0.111
	GSM850_ANT 0C	GPRS (4 Tx slots)	Left Cheek	0mm	128	824.2	28.44	29.00	1.138	0.02	0.247	0.281
	GSM850_ANT 0C	GPRS (4 Tx slots)	Left Cheek	0mm	189	836.4	28.42	29.00	1.143	0.09	0.220	0.251
	GSM850_ANT 0C	GPRS (4 Tx slots)	Left Cheek	0mm	251	848.8	28.27	29.00	1.183	0.12	0.215	0.254
	GSM850_ANT 0C	GPRS (4 Tx slots)	Left Tilted	0mm	128	824.2	28.44	29.00	1.138	0.03	0.159	0.181



Standalone												
Plot No.	Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	GSM1900_ANT 1	GPRS (4 Tx slots)	Right Cheek	0mm	512	1850.2	20.42	21.80	1.374	-0.03	0.973	1.337
02	GSM1900_ANT 1	GPRS (4 Tx slots)	Right Cheek	0mm	661	1880	20.26	21.80	1.426	0.08	0.942	1.343
	GSM1900_ANT 1	GPRS (4 Tx slots)	Right Cheek	0mm	810	1909.8	20.41	21.80	1.377	-0.16	0.925	1.274
	GSM1900_ANT 1	GPRS (4 Tx slots)	Right Tilted	0mm	512	1850.2	20.42	21.80	1.374	0.02	0.425	0.584
	GSM1900_ANT 1	GPRS (4 Tx slots)	Left Cheek	0mm	512	1850.2	20.42	21.80	1.374	0.14	0.528	0.725
	GSM1900_ANT 1	GPRS (4 Tx slots)	Left Tilted	0mm	512	1850.2	20.42	21.80	1.374	0.03	0.622	0.855
	GSM1900_ANT 0B	GPRS (4 Tx slots)	Right Cheek	0mm	512	1850.2	25.53	26.50	1.250	0.05	0.161	0.201
	GSM1900_ANT 0B	GPRS (4 Tx slots)	Right Cheek	0mm	661	1880	25.28	26.50	1.324	0.08	0.149	0.197
	GSM1900_ANT 0B	GPRS (4 Tx slots)	Right Cheek	0mm	810	1909.8	25.51	26.50	1.256	0.13	0.216	0.271
	GSM1900_ANT 0B	GPRS (4 Tx slots)	Right Tilted	0mm	512	1850.2	25.53	26.50	1.250	-0.04	0.068	0.085
	GSM1900_ANT 0B	GPRS (4 Tx slots)	Left Cheek	0mm	512	1850.2	25.53	26.50	1.250	-0.13	0.065	0.081
	GSM1900_ANT 0B	GPRS (4 Tx slots)	Left Tilted	0mm	512	1850.2	25.53	26.50	1.250	-0.11	0.064	0.080
	GSM1900_ANT 0C	GPRS (4 Tx slots)	Right Cheek	0mm	512	1850.2	25.53	26.50	1.250	0.03	0.186	0.233
	GSM1900_ANT 0C	GPRS (4 Tx slots)	Right Tilted	0mm	512	1850.2	25.53	26.50	1.250	0.08	0.107	0.134
	GSM1900_ANT 0C	GPRS (4 Tx slots)	Left Cheek	0mm	512	1850.2	25.53	26.50	1.250	0.02	0.297	0.371
	GSM1900_ANT 0C	GPRS (4 Tx slots)	Left Cheek	0mm	661	1880	25.28	26.50	1.324	-0.07	0.323	0.428
	GSM1900_ANT 0C	GPRS (4 Tx slots)	Left Cheek	0mm	810	1909.8	25.51	26.50	1.256	-0.11	0.349	0.438
	GSM1900_ANT 0C	GPRS (4 Tx slots)	Left Tilted	0mm	512	1850.2	25.53	26.50	1.250	-0.07	0.240	0.300
Simultaneous Transmission is active												
Plot No.	Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	GSM1900_ANT 1	GPRS (4 Tx slots)	Right Cheek	0mm	512	1850.2	20.42	20.50	1.019	-0.03	0.973	0.991
	GSM1900_ANT 1	GPRS (4 Tx slots)	Right Cheek	0mm	661	1880	20.26	20.50	1.057	0.08	0.942	0.996
	GSM1900_ANT 1	GPRS (4 Tx slots)	Right Cheek	0mm	810	1909.8	20.41	20.50	1.021	-0.16	0.925	0.944
	GSM1900_ANT 1	GPRS (4 Tx slots)	Right Tilted	0mm	512	1850.2	20.42	20.50	1.019	0.02	0.425	0.433
	GSM1900_ANT 1	GPRS (4 Tx slots)	Left Cheek	0mm	512	1850.2	20.42	20.50	1.019	0.14	0.528	0.538
	GSM1900_ANT 1	GPRS (4 Tx slots)	Left Tilted	0mm	512	1850.2	20.42	20.50	1.019	0.03	0.622	0.634
	GSM1900_ANT 0B	GPRS (4 Tx slots)	Right Cheek	0mm	512	1850.2	25.53	26.50	1.250	0.05	0.161	0.201
	GSM1900_ANT 0B	GPRS (4 Tx slots)	Right Cheek	0mm	661	1880	25.28	26.50	1.324	0.08	0.149	0.197
	GSM1900_ANT 0B	GPRS (4 Tx slots)	Right Cheek	0mm	810	1909.8	25.51	26.50	1.256	0.13	0.216	0.271
	GSM1900_ANT 0B	GPRS (4 Tx slots)	Right Tilted	0mm	512	1850.2	25.53	26.50	1.250	-0.04	0.068	0.085
	GSM1900_ANT 0B	GPRS (4 Tx slots)	Left Cheek	0mm	512	1850.2	25.53	26.50	1.250	-0.13	0.065	0.081
	GSM1900_ANT 0B	GPRS (4 Tx slots)	Left Tilted	0mm	512	1850.2	25.53	26.50	1.250	-0.11	0.064	0.080
	GSM1900_ANT 0C	GPRS (4 Tx slots)	Right Cheek	0mm	512	1850.2	25.53	26.50	1.250	0.03	0.186	0.233
	GSM1900_ANT 0C	GPRS (4 Tx slots)	Right Tilted	0mm	512	1850.2	25.53	26.50	1.250	0.08	0.107	0.134
	GSM1900_ANT 0C	GPRS (4 Tx slots)	Left Cheek	0mm	512	1850.2	25.53	26.50	1.250	0.02	0.297	0.371
	GSM1900_ANT 0C	GPRS (4 Tx slots)	Left Cheek	0mm	661	1880	25.28	26.50	1.324	-0.07	0.323	0.428
	GSM1900_ANT 0C	GPRS (4 Tx slots)	Left Cheek	0mm	810	1909.8	25.51	26.50	1.256	-0.11	0.349	0.438
	GSM1900_ANT 0C	GPRS (4 Tx slots)	Left Tilted	0mm	512	1850.2	25.53	26.50	1.250	-0.07	0.240	0.300



<WCDMA SAR>

Standalone												
Plot No.	Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WCDMA II_ANT 1	RMC 12.2Kbps	Right Cheek	0mm	9400	9800	17.54	19.00	1.400	0.09	0.777	1.087
	WCDMA II_ANT 1	RMC 12.2Kbps	Right Cheek	0mm	9262	9662	17.43	19.00	1.435	0.15	0.785	1.127
03	WCDMA II_ANT 1	RMC 12.2Kbps	Right Cheek	0mm	9538	1907.6	17.11	19.00	1.545	0.02	0.867	1.340
	WCDMA II_ANT 1	RMC 12.2Kbps	Right Tilted	0mm	9400	9800	17.54	19.00	1.400	0.18	0.511	0.715
	WCDMA II_ANT 1	RMC 12.2Kbps	Left Cheek	0mm	9400	9800	17.54	19.00	1.400	0.03	0.525	0.735
	WCDMA II_ANT 1	RMC 12.2Kbps	Left Tilted	0mm	9400	9800	17.54	19.00	1.400	0.02	0.522	0.731
	WCDMA II_ANT 0B	RMC12.2Kbps	Right Cheek	0mm	9400	1880	24.45	25.00	1.135	-0.01	0.229	0.260
	WCDMA II_ANT 0B	RMC12.2Kbps	Right Cheek	0mm	9262	1852.4	24.41	25.00	1.146	-0.03	0.205	0.235
	WCDMA II_ANT 0B	RMC12.2Kbps	Right Cheek	0mm	9538	1907.6	24.36	25.00	1.159	-0.1	0.218	0.253
	WCDMA II_ANT 0B	RMC12.2Kbps	Right Tilted	0mm	9400	1880	24.45	25.00	1.135	-0.07	0.174	0.197
	WCDMA II_ANT 0B	RMC12.2Kbps	Left Cheek	0mm	9400	1880	24.45	25.00	1.135	0.13	0.117	0.133
	WCDMA II_ANT 0B	RMC12.2Kbps	Left Tilted	0mm	9400	1880	24.45	25.00	1.135	0.03	0.064	0.073
	WCDMA II_ANT 0C	RMC12.2Kbps	Right Cheek	0mm	9400	1880	24.45	25.00	1.135	0.12	0.292	0.331
	WCDMA II_ANT 0C	RMC12.2Kbps	Right Tilted	0mm	9400	1880	24.45	25.00	1.135	0.04	0.167	0.190
	WCDMA II_ANT 0C	RMC12.2Kbps	Left Cheek	0mm	9400	1880	24.45	25.00	1.135	0.08	0.466	0.529
	WCDMA II_ANT 0C	RMC12.2Kbps	Left Cheek	0mm	9262	1852.4	24.41	25.00	1.146	-0.01	0.507	0.581
	WCDMA II_ANT 0C	RMC12.2Kbps	Left Cheek	0mm	9538	1907.6	24.36	25.00	1.159	-0.08	0.569	0.659
	WCDMA II_ANT 0C	RMC12.2Kbps	Left Tilted	0mm	9400	1880	24.45	25.00	1.135	-0.11	0.376	0.427
Simultaneous Transmission is active												
Plot No.	Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WCDMA II_ANT 1	RMC 12.2Kbps	Right Cheek	0mm	9400	9800	17.54	17.50	0.991	0.09	0.777	0.770
	WCDMA II_ANT 1	RMC 12.2Kbps	Right Cheek	0mm	9262	9662	17.43	17.50	1.016	0.15	0.785	0.798
	WCDMA II_ANT 1	RMC 12.2Kbps	Right Cheek	0mm	9538	1907.6	17.11	17.50	1.094	0.02	0.867	0.948
	WCDMA II_ANT 1	RMC 12.2Kbps	Right Tilted	0mm	9400	9800	17.54	17.50	0.991	0.18	0.511	0.506
	WCDMA II_ANT 1	RMC 12.2Kbps	Left Cheek	0mm	9400	9800	17.54	17.50	0.991	0.03	0.525	0.520
	WCDMA II_ANT 1	RMC 12.2Kbps	Left Tilted	0mm	9400	9800	17.54	17.50	0.991	0.02	0.522	0.517
	WCDMA II_ANT 0B	RMC12.2Kbps	Right Cheek	0mm	9400	1880	24.45	25.00	1.135	-0.01	0.229	0.260
	WCDMA II_ANT 0B	RMC12.2Kbps	Right Cheek	0mm	9262	1852.4	24.41	25.00	1.146	-0.03	0.205	0.235
	WCDMA II_ANT 0B	RMC12.2Kbps	Right Cheek	0mm	9538	1907.6	24.36	25.00	1.159	-0.1	0.218	0.253
	WCDMA II_ANT 0B	RMC12.2Kbps	Right Tilted	0mm	9400	1880	24.45	25.00	1.135	-0.07	0.174	0.197
	WCDMA II_ANT 0B	RMC12.2Kbps	Left Cheek	0mm	9400	1880	24.45	25.00	1.135	0.13	0.117	0.133
	WCDMA II_ANT 0B	RMC12.2Kbps	Left Tilted	0mm	9400	1880	24.45	25.00	1.135	0.03	0.064	0.073
	WCDMA II_ANT 0C	RMC12.2Kbps	Right Cheek	0mm	9400	1880	24.45	25.00	1.135	0.12	0.292	0.331
	WCDMA II_ANT 0C	RMC12.2Kbps	Right Tilted	0mm	9400	1880	24.45	25.00	1.135	0.04	0.167	0.190
	WCDMA II_ANT 0C	RMC12.2Kbps	Left Cheek	0mm	9400	1880	24.45	25.00	1.135	0.08	0.466	0.529
	WCDMA II_ANT 0C	RMC12.2Kbps	Left Cheek	0mm	9262	1852.4	24.41	25.00	1.146	-0.01	0.507	0.581
	WCDMA II_ANT 0C	RMC12.2Kbps	Left Cheek	0mm	9538	1907.6	24.36	25.00	1.159	-0.08	0.569	0.659
	WCDMA II_ANT 0C	RMC12.2Kbps	Left Tilted	0mm	9400	1880	24.45	25.00	1.135	-0.11	0.376	0.427



Standalone												
Plot No.	Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WCDMA IV_ANT 1	RMC12.2Kbps	Right Cheek	0mm	1413	1732.6	18.05	19.80	1.496	0.03	0.855	1.279
04	WCDMA IV_ANT 1	RMC 12.2Kbps	Right Cheek	0mm	1312	1712.4	17.99	19.80	1.517	0.01	0.877	1.330
	WCDMA IV_ANT 1	RMC12.2Kbps	Right Cheek	0mm	1513	1752.6	17.94	19.80	1.535	0.04	0.821	1.260
	WCDMA IV_ANT 1	RMC12.2Kbps	Right Tilted	0mm	1413	1732.6	18.05	19.80	1.496	0.04	0.658	0.985
	WCDMA IV_ANT 1	RMC12.2Kbps	Left Cheek	0mm	1413	1732.6	18.05	19.80	1.496	0.15	0.322	0.482
	WCDMA IV_ANT 1	RMC12.2Kbps	Left Tilted	0mm	1413	1732.6	18.05	19.80	1.496	0.18	0.280	0.419
	WCDMA IV_ANT 0B	RMC12.2Kbps	Right Cheek	0mm	1413	1732.6	24.45	25.00	1.135	0.07	0.213	0.242
	WCDMA IV_ANT 0B	RMC12.2Kbps	Right Cheek	0mm	1312	1712.4	23.95	25.00	1.274	0.08	0.185	0.236
	WCDMA IV_ANT 0B	RMC12.2Kbps	Right Cheek	0mm	1513	1752.6	24.35	25.00	1.161	-0.11	0.201	0.233
	WCDMA IV_ANT 0B	RMC12.2Kbps	Right Tilted	0mm	1413	1732.6	24.45	25.00	1.135	-0.18	0.194	0.220
	WCDMA IV_ANT 0B	RMC12.2Kbps	Left Cheek	0mm	1413	1732.6	24.45	25.00	1.135	0.13	0.122	0.138
	WCDMA IV_ANT 0B	RMC12.2Kbps	Left Tilted	0mm	1413	1732.6	24.45	25.00	1.135	0.07	0.086	0.098
	WCDMA IV_ANT 0C	RMC12.2Kbps	Right Cheek	0mm	1413	1732.6	24.45	25.00	1.135	0.01	0.209	0.237
	WCDMA IV_ANT 0C	RMC12.2Kbps	Right Tilted	0mm	1413	1732.6	24.45	25.00	1.135	0.08	0.153	0.174
	WCDMA IV_ANT 0C	RMC12.2Kbps	Left Cheek	0mm	1413	1732.6	24.45	25.00	1.135	-0.16	0.447	0.507
	WCDMA IV_ANT 0C	RMC12.2Kbps	Left Cheek	0mm	1312	1712.4	23.95	25.00	1.274	0.04	0.332	0.423
	WCDMA IV_ANT 0C	RMC12.2Kbps	Left Cheek	0mm	1513	1752.6	24.35	25.00	1.161	0.08	0.351	0.408
	WCDMA IV_ANT 0C	RMC12.2Kbps	Left Tilted	0mm	1413	1732.6	24.45	25.00	1.135	-0.05	0.275	0.312
Simultaneous Transmission is active												
Plot No.	Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WCDMA IV_ANT 1	RMC12.2Kbps	Right Cheek	0mm	1413	1732.6	18.05	18.50	1.109	0.03	0.855	0.948
	WCDMA IV_ANT 1	RMC 12.2Kbps	Right Cheek	0mm	1312	1712.4	17.99	18.50	1.125	0.01	0.877	0.986
	WCDMA IV_ANT 1	RMC12.2Kbps	Right Cheek	0mm	1513	1752.6	17.94	18.50	1.138	0.04	0.821	0.934
	WCDMA IV_ANT 1	RMC12.2Kbps	Right Tilted	0mm	1413	1732.6	18.05	18.50	1.109	0.04	0.658	0.730
	WCDMA IV_ANT 1	RMC12.2Kbps	Left Cheek	0mm	1413	1732.6	18.05	18.50	1.109	0.15	0.322	0.357
	WCDMA IV_ANT 1	RMC12.2Kbps	Left Tilted	0mm	1413	1732.6	18.05	18.50	1.109	0.18	0.280	0.311
	WCDMA IV_ANT 0B	RMC12.2Kbps	Right Cheek	0mm	1413	1732.6	24.45	25.00	1.135	0.07	0.213	0.242
	WCDMA IV_ANT 0B	RMC12.2Kbps	Right Cheek	0mm	1312	1712.4	23.95	25.00	1.274	0.08	0.185	0.236
	WCDMA IV_ANT 0B	RMC12.2Kbps	Right Cheek	0mm	1513	1752.6	24.35	25.00	1.161	-0.11	0.201	0.233
	WCDMA IV_ANT 0B	RMC12.2Kbps	Right Tilted	0mm	1413	1732.6	24.45	25.00	1.135	-0.18	0.194	0.220
	WCDMA IV_ANT 0B	RMC12.2Kbps	Left Cheek	0mm	1413	1732.6	24.45	25.00	1.135	0.13	0.122	0.138
	WCDMA IV_ANT 0B	RMC12.2Kbps	Left Tilted	0mm	1413	1732.6	24.45	25.00	1.135	0.07	0.086	0.098
	WCDMA IV_ANT 0C	RMC12.2Kbps	Right Cheek	0mm	1413	1732.6	24.45	25.00	1.135	0.01	0.209	0.237
	WCDMA IV_ANT 0C	RMC12.2Kbps	Right Tilted	0mm	1413	1732.6	24.45	25.00	1.135	0.08	0.153	0.174
	WCDMA IV_ANT 0C	RMC12.2Kbps	Left Cheek	0mm	1413	1732.6	24.45	25.00	1.135	-0.16	0.447	0.507
	WCDMA IV_ANT 0C	RMC12.2Kbps	Left Cheek	0mm	1312	1712.4	23.95	25.00	1.274	0.04	0.332	0.423
	WCDMA IV_ANT 0C	RMC12.2Kbps	Left Cheek	0mm	1513	1752.6	24.35	25.00	1.161	0.08	0.351	0.408
	WCDMA IV_ANT 0C	RMC12.2Kbps	Left Tilted	0mm	1413	1732.6	24.45	25.00	1.135	-0.05	0.275	0.312



Standalone												
Plot No.	Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
05	WCDMA V_ANT 1	RMC 12.2Kbps	Right Cheek	0mm	4182	836.4	20.11	22.00	1.545	0	0.864	1.335
	WCDMA V_ANT 1	RMC12.2Kbps	Right Cheek	0mm	4233	846.6	20.08	22.00	1.556	0.03	0.821	1.277
	WCDMA V_ANT 1	RMC12.2Kbps	Right Cheek	0mm	4132	826.4	20.02	22.00	1.578	0.04	0.801	1.264
	WCDMA V_ANT 1	RMC12.2Kbps	Right Tilted	0mm	4182	836.4	20.11	22.00	1.545	0.07	0.422	0.652
	WCDMA V_ANT 1	RMC12.2Kbps	Left Cheek	0mm	4182	836.4	20.11	22.00	1.545	0.09	0.357	0.552
	WCDMA V_ANT 1	RMC12.2Kbps	Left Tilted	0mm	4182	836.4	20.11	22.00	1.545	0.05	0.324	0.501
	WCDMA V_ANT 0C	RMC12.2Kbps	Right Cheek	0mm	4182	836.4	24.25	25.00	1.189	0.03	0.199	0.237
	WCDMA V_ANT 0C	RMC12.2Kbps	Right Tilted	0mm	4182	836.4	24.25	25.00	1.189	0.14	0.133	0.158
	WCDMA V_ANT 0C	RMC12.2Kbps	Left Cheek	0mm	4182	836.4	24.25	25.00	1.189	0.08	0.364	0.433
	WCDMA V_ANT 0C	RMC12.2Kbps	Left Cheek	0mm	4233	846.6	24.15	25.00	1.216	0.09	0.454	0.552
	WCDMA V_ANT 0C	RMC12.2Kbps	Left Cheek	0mm	4132	826.4	24.17	25.00	1.211	-0.08	0.421	0.510
	WCDMA V_ANT 0C	RMC12.2Kbps	Left Tilted	0mm	4182	836.4	24.25	25.00	1.189	0.05	0.282	0.335
Simultaneous Transmission is active												
Plot No.	Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WCDMA V_ANT 1	RMC 12.2Kbps	Right Cheek	0mm	4182	836.4	20.11	20.50	1.094	0	0.864	0.945
	WCDMA V_ANT 1	RMC12.2Kbps	Right Cheek	0mm	4233	846.6	20.08	20.50	1.102	0.03	0.821	0.904
	WCDMA V_ANT 1	RMC12.2Kbps	Right Cheek	0mm	4132	826.4	20.02	20.50	1.117	0.04	0.801	0.895
	WCDMA V_ANT 1	RMC12.2Kbps	Right Tilted	0mm	4182	836.4	20.11	20.50	1.094	0.07	0.422	0.462
	WCDMA V_ANT 1	RMC12.2Kbps	Left Cheek	0mm	4182	836.4	20.11	20.50	1.094	0.09	0.357	0.391
	WCDMA V_ANT 1	RMC12.2Kbps	Left Tilted	0mm	4182	836.4	20.11	20.50	1.094	0.05	0.324	0.354
	WCDMA V_ANT 0C	RMC12.2Kbps	Right Cheek	0mm	4182	836.4	24.25	25.00	1.189	0.03	0.199	0.237
	WCDMA V_ANT 0C	RMC12.2Kbps	Right Tilted	0mm	4182	836.4	24.25	25.00	1.189	0.14	0.133	0.158
	WCDMA V_ANT 0C	RMC12.2Kbps	Left Cheek	0mm	4182	836.4	24.25	25.00	1.189	0.08	0.364	0.433
	WCDMA V_ANT 0C	RMC12.2Kbps	Left Cheek	0mm	4233	846.6	24.15	25.00	1.216	0.09	0.454	0.552
	WCDMA V_ANT 0C	RMC12.2Kbps	Left Cheek	0mm	4132	826.4	24.17	25.00	1.211	-0.08	0.421	0.510
	WCDMA V_ANT 0C	RMC12.2Kbps	Left Tilted	0mm	4182	836.4	24.25	25.00	1.189	0.05	0.282	0.335



<CDMA SAR>

Standalone												
Plot No.	Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
06	CDMA BC0_ANT 1	1xRTT RC3 SO55	Right Cheek	0mm	384	836.52	21.48	23.40	1.556	0	0.840	1.307
	CDMA BC0_ANT 1	1xRTT RC3 SO55	Right Cheek	0mm	1013	824.7	21.46	23.40	1.563	0.03	0.821	1.283
	CDMA BC0_ANT 1	1xRTT RC3 SO55	Right Cheek	0mm	777	848.31	21.41	23.40	1.581	0.14	0.810	1.281
	CDMA BC0_ANT 1	1xRTT RC3 SO55	Right Tilted	0mm	384	836.52	21.48	23.40	1.556	0.15	0.485	0.755
	CDMA BC0_ANT 1	1xRTT RC3 SO55	Left Cheek	0mm	384	836.52	21.48	23.40	1.556	0.06	0.385	0.599
	CDMA BC0_ANT 1	1xRTT RC3 SO55	Left Tilted	0mm	384	836.52	21.48	23.40	1.556	0.02	0.310	0.482
	CDMA BC0_ANT 0C	1xRTT RC3 SO55	Right Cheek	0mm	384	836.52	24.33	25.00	1.167	0.09	0.222	0.259
	CDMA BC0_ANT 0C	1xRTT RC3 SO55	Right Tilted	0mm	384	836.52	24.33	25.00	1.167	0.02	0.208	0.243
	CDMA BC0_ANT 0C	1xRTT RC3 SO55	Left Cheek	0mm	384	836.52	24.33	25.00	1.167	0.06	0.481	0.561
	CDMA BC0_ANT 0C	1xRTT RC3 SO55	Left Cheek	0mm	1013	824.7	24.32	25.00	1.169	0.03	0.421	0.492
	CDMA BC0_ANT 0C	1xRTT RC3 SO55	Left Cheek	0mm	777	848.31	24.23	25.00	1.194	0.02	0.455	0.543
	CDMA BC0_ANT 0C	1xRTT RC3 SO55	Left Tilted	0mm	384	836.52	24.33	25.00	1.167	0.01	0.310	0.362
Simultaneous Transmission is active												
Plot No.	Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	CDMA BC0_ANT 1	1xRTT RC3 SO55	Right Cheek	0mm	384	836.52	21.35	22.00	1.161	0	0.840	0.976
	CDMA BC0_ANT 1	1xRTT RC3 SO55	Right Cheek	0mm	1013	824.7	21.28	22.00	1.180	0.03	0.821	0.969
	CDMA BC0_ANT 1	1xRTT RC3 SO55	Right Cheek	0mm	777	848.31	21.21	22.00	1.199	0.14	0.810	0.972
	CDMA BC0_ANT 1	1xRTT RC3 SO55	Right Tilted	0mm	384	836.52	21.35	22.00	1.161	0.15	0.485	0.563
	CDMA BC0_ANT 1	1xRTT RC3 SO55	Left Cheek	0mm	384	836.52	21.35	22.00	1.161	0.06	0.385	0.447
	CDMA BC0_ANT 1	1xRTT RC3 SO55	Left Tilted	0mm	384	836.52	21.35	22.00	1.161	0.02	0.310	0.360
	CDMA BC0_ANT 0C	1xRTT RC3 SO55	Right Cheek	0mm	384	836.52	24.33	25.00	1.167	0.09	0.222	0.259
	CDMA BC0_ANT 0C	1xRTT RC3 SO55	Right Tilted	0mm	384	836.52	24.33	25.00	1.167	0.02	0.208	0.243
	CDMA BC0_ANT 0C	1xRTT RC3 SO55	Left Cheek	0mm	384	836.52	24.33	25.00	1.167	0.06	0.481	0.561
	CDMA BC0_ANT 0C	1xRTT RC3 SO55	Left Cheek	0mm	1013	824.7	24.32	25.00	1.169	0.03	0.421	0.492
	CDMA BC0_ANT 0C	1xRTT RC3 SO55	Left Cheek	0mm	777	848.31	24.23	25.00	1.194	0.02	0.455	0.543
	CDMA BC0_ANT 0C	1xRTT RC3 SO55	Left Tilted	0mm	384	836.52	24.33	25.00	1.167	0.01	0.310	0.362



Standalone												
Plot No.	Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
07	CDMA BC1_ANT 1	1xRTT RC3 SO55	Right Cheek	0mm	25	1851.25	17.45	19.40	1.567	-0.04	0.821	1.286
	CDMA BC1_ANT 1	1xRTT RC3 SO55	Right Cheek	0mm	600	1880	17.43	19.40	1.574	0.03	0.721	1.135
	CDMA BC1_ANT 1	1xRTT RC3 SO55	Right Cheek	0mm	1175	1908.75	17.41	19.40	1.581	0.02	0.689	1.089
	CDMA BC1_ANT 1	1xRTT RC3 SO55	Right Tilted	0mm	25	1851.25	17.45	19.40	1.567	0.01	0.325	0.509
	CDMA BC1_ANT 1	1xRTT RC3 SO55	Left Cheek	0mm	25	1851.25	17.45	19.40	1.567	0.18	0.289	0.453
	CDMA BC1_ANT 1	1xRTT RC3 SO55	Left Tilted	0mm	25	1851.25	17.45	19.40	1.567	0.03	0.399	0.625
	CDMA BC1_ANT 0B	1xRTT RC3 SO55	Right Cheek	0mm	25	1851.25	24.68	25.00	1.076	0.19	0.222	0.239
	CDMA BC1_ANT 0B	1xRTT RC3 SO55	Right Cheek	0mm	600	1880	24.65	25.00	1.084	-0.08	0.240	0.260
	CDMA BC1_ANT 0B	1xRTT RC3 SO55	Right Cheek	0mm	1175	1908.75	24.58	25.00	1.102	0.07	0.356	0.392
	CDMA BC1_ANT 0B	1xRTT RC3 SO55	Right Tilted	0mm	25	1851.25	24.68	25.00	1.076	-0.07	0.187	0.201
	CDMA BC1_ANT 0B	1xRTT RC3 SO55	Left Cheek	0mm	25	1851.25	24.68	25.00	1.076	0.18	0.126	0.136
	CDMA BC1_ANT 0B	1xRTT RC3 SO55	Left Tilted	0mm	25	1851.25	24.68	25.00	1.076	0.11	0.070	0.075
	CDMA BC1_ANT 0C	1xRTT RC3 SO55	Right Cheek	0mm	25	1851.25	24.68	25.00	1.076	0.03	0.324	0.349
	CDMA BC1_ANT 0C	1xRTT RC3 SO55	Right Tilted	0mm	25	1851.25	24.68	25.00	1.076	0.05	0.199	0.214
	CDMA BC1_ANT 0C	1xRTT RC3 SO55	Left Cheek	0mm	25	1851.25	24.68	25.00	1.076	0.01	0.560	0.603
	CDMA BC1_ANT 0C	1xRTT RC3 SO55	Left Cheek	0mm	600	1880	24.65	25.00	1.084	-0.08	0.521	0.565
	CDMA BC1_ANT 0C	1xRTT RC3 SO55	Left Cheek	0mm	1175	1908.75	24.58	25.00	1.102	-0.17	0.552	0.608
	CDMA BC1_ANT 0C	1xRTT RC3 SO55	Left Tilted	0mm	25	1851.25	24.68	25.00	1.076	-0.18	0.447	0.481
Simultaneous Transmission is active												
Plot No.	Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	CDMA BC1_ANT 1	1xRTT RC3 SO55	Right Cheek	0mm	25	1851.25	17.32	17.50	1.042	-0.04	0.821	0.856
	CDMA BC1_ANT 1	1xRTT RC3 SO55	Right Cheek	0mm	600	1880	17.23	17.50	1.064	0.03	0.721	0.767
	CDMA BC1_ANT 1	1xRTT RC3 SO55	Right Cheek	0mm	1175	1908.75	17.09	17.50	1.099	0.02	0.689	0.757
	CDMA BC1_ANT 1	1xRTT RC3 SO55	Right Tilted	0mm	25	1851.25	17.32	17.50	1.042	0.01	0.325	0.339
	CDMA BC1_ANT 1	1xRTT RC3 SO55	Left Cheek	0mm	25	1851.25	17.32	17.50	1.042	0.18	0.289	0.301
	CDMA BC1_ANT 1	1xRTT RC3 SO55	Left Tilted	0mm	25	1851.25	17.32	17.50	1.042	0.03	0.399	0.416
	CDMA BC1_ANT 0B	1xRTT RC3 SO55	Right Cheek	0mm	25	1851.25	24.68	25.00	1.076	0.19	0.222	0.239
	CDMA BC1_ANT 0B	1xRTT RC3 SO55	Right Cheek	0mm	600	1880	24.65	25.00	1.084	-0.08	0.240	0.260
	CDMA BC1_ANT 0B	1xRTT RC3 SO55	Right Cheek	0mm	1175	1908.75	24.58	25.00	1.102	0.07	0.356	0.392
	CDMA BC1_ANT 0B	1xRTT RC3 SO55	Right Tilted	0mm	25	1851.25	24.68	25.00	1.076	-0.07	0.187	0.201
	CDMA BC1_ANT 0B	1xRTT RC3 SO55	Left Cheek	0mm	25	1851.25	24.68	25.00	1.076	0.18	0.126	0.136
	CDMA BC1_ANT 0B	1xRTT RC3 SO55	Left Tilted	0mm	25	1851.25	24.68	25.00	1.076	0.11	0.070	0.075
	CDMA BC1_ANT 0C	1xRTT RC3 SO55	Right Cheek	0mm	25	1851.25	24.68	25.00	1.076	0.03	0.324	0.349
	CDMA BC1_ANT 0C	1xRTT RC3 SO55	Right Tilted	0mm	25	1851.25	24.68	25.00	1.076	0.05	0.199	0.214
	CDMA BC1_ANT 0C	1xRTT RC3 SO55	Left Cheek	0mm	25	1851.25	24.68	25.00	1.076	0.01	0.560	0.603
	CDMA BC1_ANT 0C	1xRTT RC3 SO55	Left Cheek	0mm	600	1880	24.65	25.00	1.084	-0.08	0.521	0.565
	CDMA BC1_ANT 0C	1xRTT RC3 SO55	Left Cheek	0mm	1175	1908.75	24.58	25.00	1.102	-0.17	0.552	0.608
	CDMA BC1_ANT 0C	1xRTT RC3 SO55	Left Tilted	0mm	25	1851.25	24.68	25.00	1.076	-0.18	0.447	0.481



Standalone												
Plot No.	Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
08	CDMA BC10_ANT 1	1xRTT RC3 SO55	Right Cheek	0mm	476	817.9	23.7	25.00	1.349	0.08	0.811	1.094
	CDMA BC10_ANT 1	1xRTT RC3 SO55	Right Tilted	0mm	476	817.9	23.7	25.00	1.349	0.15	0.528	0.712
	CDMA BC10_ANT 1	1xRTT RC3 SO55	Left Cheek	0mm	476	817.9	23.7	25.00	1.349	0.09	0.432	0.583
	CDMA BC10_ANT 1	1xRTT RC3 SO55	Left Tilted	0mm	476	817.9	23.7	25.00	1.349	0.04	0.352	0.475
	CDMA BC10_ANT 0C	1xRTT RC3 SO55	Right Cheek	0mm	476	817.9	24.62	25.00	1.091	0.03	0.105	0.115
	CDMA BC10_ANT 0C	1xRTT RC3 SO55	Right Tilted	0mm	476	817.9	24.62	25.00	1.091	0.02	0.098	0.107
	CDMA BC10_ANT 0C	1xRTT RC3 SO55	Left Cheek	0mm	476	817.9	24.62	25.00	1.091	0.11	0.254	0.277
	CDMA BC10_ANT 0C	1xRTT RC3 SO55	Left Tilted	0mm	476	817.9	24.62	25.00	1.091	0.01	0.162	0.177
Simultaneous Transmission is active												
Plot No.	Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	CDMA BC10_ANT 1	1xRTT RC3 SO55	Right Cheek	0mm	476	817.9	23.7	24.00	1.072	0.08	0.852	0.913
	CDMA BC10_ANT 1	1xRTT RC3 SO55	Right Cheek	0mm	580	820.5	23.64	24.00	1.086	0.03	0.711	0.772
	CDMA BC10_ANT 1	1xRTT RC3 SO55	Right Cheek	0mm	684	823.1	23.51	24.00	1.119	0.01	0.698	0.781
	CDMA BC10_ANT 1	1xRTT RC3 SO55	Right Tilted	0mm	476	817.9	23.7	24.00	1.072	0.15	0.528	0.566
	CDMA BC10_ANT 1	1xRTT RC3 SO55	Left Cheek	0mm	476	817.9	23.7	24.00	1.072	0.09	0.432	0.463
	CDMA BC10_ANT 1	1xRTT RC3 SO55	Left Tilted	0mm	476	817.9	23.7	24.00	1.072	0.04	0.352	0.377
	CDMA BC10_ANT 0C	1xRTT RC3 SO55	Right Cheek	0mm	476	817.9	24.62	25.00	1.091	0.03	0.105	0.115
	CDMA BC10_ANT 0C	1xRTT RC3 SO55	Right Tilted	0mm	476	817.9	24.62	25.00	1.091	0.02	0.098	0.107
	CDMA BC10_ANT 0C	1xRTT RC3 SO55	Left Cheek	0mm	476	817.9	24.62	25.00	1.091	0.11	0.254	0.277
	CDMA BC10_ANT 0C	1xRTT RC3 SO55	Left Cheek	0mm	580	820.5	24.59	25.00	1.099	0.08	0.211	0.232
	CDMA BC10_ANT 0C	1xRTT RC3 SO55	Left Cheek	0mm	684	823.1	24.52	25.00	1.117	0.02	0.232	0.259
	CDMA BC10_ANT 0C	1xRTT RC3 SO55	Left Tilted	0mm	476	817.9	24.62	25.00	1.091	0.01	0.162	0.177



<FDD LTE SAR>

Standalone															
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
09	LTE Band 7_ANT 1	20M	QPSK	1	0	Right Cheek	0mm	20850	2510	17.41	18.90	1.409	-0.05	0.954	1.344
	LTE Band 7_ANT 1	20M	QPSK	1	0	Right Cheek	0mm	21100	2535	17.27	18.90	1.455	-0.02	0.859	1.250
	LTE Band 7_ANT 1	20M	QPSK	1	0	Right Cheek	0mm	21350	2560	17.32	18.90	1.439	0.01	0.812	1.168
	LTE Band 7_ANT 1	20M	QPSK	50	0	Right Cheek	0mm	20850	2510	17.37	18.90	1.422	0.18	0.895	1.273
	LTE Band 7_ANT 1	20M	QPSK	50	0	Right Cheek	0mm	21100	2535	17.36	18.90	1.426	0.07	0.849	1.210
	LTE Band 7_ANT 1	20M	QPSK	50	0	Right Cheek	0mm	21350	2560	17.35	18.90	1.429	-0.15	0.826	1.181
	LTE Band 7_ANT 1	20M	QPSK	100	0	Right Cheek	0mm	20850	2510	17.4	18.90	1.413	-0.12	0.884	1.249
	LTE Band 7_ANT 1	20M	QPSK	1	0	Right Tilted	0mm	20850	2510	17.41	18.90	1.409	0.01	0.780	1.099
	LTE Band 7_ANT 1	20M	QPSK	1	0	Right Tilted	0mm	21100	2535	17.27	18.90	1.455	-0.02	0.729	1.061
	LTE Band 7_ANT 1	20M	QPSK	1	0	Right Tilted	0mm	21350	2560	17.32	18.90	1.439	0.01	0.731	1.052
	LTE Band 7_ANT 1	20M	QPSK	50	0	Right Tilted	0mm	20850	2510	17.37	18.90	1.422	0.03	0.764	1.087
	LTE Band 7_ANT 1	20M	QPSK	50	0	Right Tilted	0mm	21100	2535	17.36	18.90	1.426	0.07	0.711	1.014
	LTE Band 7_ANT 1	20M	QPSK	50	0	Right Tilted	0mm	21350	2560	17.35	18.90	1.429	-0.15	0.703	1.005
	LTE Band 7_ANT 1	20M	QPSK	100	0	Right Tilted	0mm	20850	2510	17.4	18.90	1.413	-0.12	0.738	1.042
	LTE Band 7_ANT 1	20M	QPSK	1	0	Left Cheek	0mm	20850	2510	17.41	18.90	1.409	-0.13	0.783	1.103
	LTE Band 7_ANT 1	20M	QPSK	1	0	Left Cheek	0mm	21100	2535	17.27	18.90	1.455	-0.02	0.747	1.087
	LTE Band 7_ANT 1	20M	QPSK	1	0	Left Cheek	0mm	21350	2560	17.32	18.90	1.439	0.01	0.735	1.058
	LTE Band 7_ANT 1	20M	QPSK	50	0	Left Cheek	0mm	20850	2510	17.37	18.90	1.422	-0.17	0.775	1.102
	LTE Band 7_ANT 1	20M	QPSK	50	0	Left Cheek	0mm	21100	2535	17.36	18.90	1.426	0.07	0.726	1.035
	LTE Band 7_ANT 1	20M	QPSK	50	0	Left Cheek	0mm	21350	2560	17.35	18.90	1.429	-0.15	0.711	1.016
	LTE Band 7_ANT 1	20M	QPSK	100	0	Left Cheek	0mm	20850	2510	17.4	18.90	1.413	-0.12	0.745	1.052
	LTE Band 7_ANT 1	20M	QPSK	1	0	Left Tilted	0mm	20850	2510	17.41	18.90	1.409	0.06	0.765	1.078
	LTE Band 7_ANT 1	20M	QPSK	1	0	Left Tilted	0mm	21100	2535	17.27	18.90	1.455	-0.02	0.687	1.000
	LTE Band 7_ANT 1	20M	QPSK	1	0	Left Tilted	0mm	21350	2560	17.32	18.90	1.439	0.01	0.678	0.976
	LTE Band 7_ANT 1	20M	QPSK	50	0	Left Tilted	0mm	20850	2510	17.37	18.90	1.422	0.07	0.723	1.028
	LTE Band 7_ANT 1	20M	QPSK	50	0	Left Tilted	0mm	21100	2535	17.36	18.90	1.426	0.07	0.666	0.949
	LTE Band 7_ANT 1	20M	QPSK	50	0	Left Tilted	0mm	21350	2560	17.35	18.90	1.429	-0.15	0.654	0.934
	LTE Band 7_ANT 1	20M	QPSK	100	0	Left Tilted	0mm	20850	2510	17.4	18.90	1.413	-0.12	0.696	0.983
	LTE Band 7_ANT 0B	20M	QPSK	1	0	Right Cheek	0mm	20850	2510	24.65	25.00	1.084	0.05	0.744	0.806
	LTE Band 7_ANT 0B	20M	QPSK	1	0	Right Cheek	0mm	21100	2535	24.45	25.00	1.135	0.11	0.716	0.813
	LTE Band 7_ANT 0B	20M	QPSK	1	0	Right Cheek	0mm	21350	2560	24.50	25.00	1.122	0.03	0.736	0.826
	LTE Band 7_ANT 0B	20M	QPSK	50	0	Right Cheek	0mm	20850	2510	23.70	24.00	1.072	0.16	0.605	0.648
	LTE Band 7_ANT 0B	20M	QPSK	100	0	Right Cheek	0mm	20850	2510	23.69	24.00	1.074	-0.15	0.598	0.642
	LTE Band 7_ANT 0B	20M	QPSK	1	0	Right Tilted	0mm	20850	2510	24.65	25.00	1.084	0.02	0.299	0.324
	LTE Band 7_ANT 0B	20M	QPSK	50	0	Right Tilted	0mm	20850	2510	23.70	24.00	1.072	0.19	0.246	0.264
	LTE Band 7_ANT 0B	20M	QPSK	1	0	Left Cheek	0mm	20850	2510	24.65	25.00	1.084	0.11	0.447	0.485
	LTE Band 7_ANT 0B	20M	QPSK	50	0	Left Cheek	0mm	20850	2510	23.70	24.00	1.072	-0.07	0.367	0.393
	LTE Band 7_ANT 0B	20M	QPSK	1	0	Left Tilted	0mm	20850	2510	24.65	25.00	1.084	-0.14	0.431	0.467
	LTE Band 7_ANT 0B	20M	QPSK	50	0	Left Tilted	0mm	20850	2510	23.70	24.00	1.072	-0.09	0.354	0.379
Simultaneous Transmission is active															
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 7_ANT 1	20M	QPSK	1	0	Right Cheek	0mm	20850	2510	17.41	17.50	1.021	-0.05	0.954	0.974
	LTE Band 7_ANT 1	20M	QPSK	1	0	Right Cheek	0mm	21100	2535	17.27	17.50	1.054	-0.02	0.859	0.906
	LTE Band 7_ANT 1	20M	QPSK	1	0	Right Cheek	0mm	21350	2560	17.32	17.50	1.042	0.01	0.916	0.955
	LTE Band 7_ANT 1	20M	QPSK	50	0	Right Cheek	0mm	20850	2510	17.37	17.50	1.030	0.18	0.895	0.922
	LTE Band 7_ANT 1	20M	QPSK	50	0	Right Cheek	0mm	21100	2535	17.36	17.50	1.033	0.07	0.849	0.877
	LTE Band 7_ANT 1	20M	QPSK	50	0	Right Cheek	0mm	21350	2560	17.35	17.50	1.035	-0.15	0.826	0.855
	LTE Band 7_ANT 1	20M	QPSK	100	0	Right Cheek	0mm	20850	2510	17.4	17.50	1.023	-0.12	0.884	0.905
	LTE Band 7_ANT 1	20M	QPSK	1	0	Right Tilted	0mm	20850	2510	17.41	17.50	1.021	0.01	0.780	0.796
	LTE Band 7_ANT 1	20M	QPSK	50	0	Right Tilted	0mm	20850	2510	17.37	17.50	1.030	0.03	0.764	0.787



FCC SAR TEST REPORT

Report No. : FA8N0620-05A

LTE Band 7_ANT 1	20M	QPSK	1	0	Left Cheek	0mm	20850	2510	17.41	17.50	1.021	-0.13	0.783	0.799
LTE Band 7_ANT 1	20M	QPSK	50	0	Left Cheek	0mm	20850	2510	17.37	17.50	1.030	-0.17	0.775	0.799
LTE Band 7_ANT 1	20M	QPSK	1	0	Left Tilted	0mm	20850	2510	17.41	17.50	1.021	0.06	0.765	0.781
LTE Band 7_ANT 1	20M	QPSK	50	0	Left Tilted	0mm	20850	2510	17.37	17.50	1.030	0.07	0.723	0.745
LTE Band 7_ANT 0B	20M	QPSK	1	0	Right Cheek	0mm	20850	2510	24.65	25.00	1.084	0.05	0.744	0.806
LTE Band 7_ANT 0B	20M	QPSK	1	0	Right Cheek	0mm	21100	2535	24.45	25.00	1.135	0.11	0.716	0.813
LTE Band 7_ANT 0B	20M	QPSK	1	0	Right Cheek	0mm	21350	2560	24.50	25.00	1.122	0.03	0.736	0.826
LTE Band 7_ANT 0B	20M	QPSK	50	0	Right Cheek	0mm	20850	2510	23.70	24.00	1.072	0.16	0.605	0.648
LTE Band 7_ANT 0B	20M	QPSK	100	0	Right Cheek	0mm	20850	2510	23.69	24.00	1.074	-0.15	0.598	0.642
LTE Band 7_ANT 0B	20M	QPSK	1	0	Right Tilted	0mm	20850	2510	24.65	25.00	1.084	0.02	0.299	0.324
LTE Band 7_ANT 0B	20M	QPSK	50	0	Right Tilted	0mm	20850	2510	23.70	24.00	1.072	0.19	0.246	0.264
LTE Band 7_ANT 0B	20M	QPSK	1	0	Left Cheek	0mm	20850	2510	24.65	25.00	1.084	0.11	0.447	0.485
LTE Band 7_ANT 0B	20M	QPSK	50	0	Left Cheek	0mm	20850	2510	23.70	24.00	1.072	-0.07	0.367	0.393
LTE Band 7_ANT 0B	20M	QPSK	1	0	Left Tilted	0mm	20850	2510	24.65	25.00	1.084	-0.14	0.431	0.467
LTE Band 7_ANT 0B	20M	QPSK	50	0	Left Tilted	0mm	20850	2510	23.70	24.00	1.072	-0.09	0.354	0.379



Standalone															
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
10	LTE Band 12_ANT 1	10M	QPSK	1	49	Right Cheek	0mm	23095	707.5	21.7	23.50	1.514	0.17	0.890	1.347
	LTE Band 12_ANT 1	10M	QPSK	25	0	Right Cheek	0mm	23095	707.5	21.55	23.50	1.567	0.02	0.711	1.114
	LTE Band 12_ANT 1	10M	QPSK	50	0	Right Cheek	0mm	23095	707.5	21.53	23.50	1.574	0.03	0.699	1.100
	LTE Band 12_ANT 1	10M	QPSK	1	49	Right Tilted	0mm	23095	707.5	21.7	23.50	1.514	0.02	0.521	0.789
	LTE Band 12_ANT 1	10M	QPSK	25	0	Right Tilted	0mm	23095	707.5	21.55	23.50	1.567	0.01	0.511	0.801
	LTE Band 12_ANT 1	10M	QPSK	1	49	Left Cheek	0mm	23095	707.5	21.7	23.50	1.514	0.08	0.433	0.655
	LTE Band 12_ANT 1	10M	QPSK	25	0	Left Cheek	0mm	23095	707.5	21.55	23.50	1.567	0.09	0.421	0.660
	LTE Band 12_ANT 1	10M	QPSK	1	49	Left Tilted	0mm	23095	707.5	21.7	23.50	1.514	0.15	0.332	0.503
	LTE Band 12_ANT 1	10M	QPSK	25	0	Left Tilted	0mm	23095	707.5	21.55	23.50	1.567	0.05	0.321	0.503
	LTE Band 12_ANT 0C	10M	QPSK	1	49	Right Cheek	0mm	23095	707.5	24.52	25.00	1.117	-0.01	0.206	0.230
	LTE Band 12_ANT 0C	10M	QPSK	25	0	Right Cheek	0mm	23095	707.5	23.62	24.00	1.091	0.11	0.171	0.187
	LTE Band 12_ANT 0C	10M	QPSK	1	49	Right Tilted	0mm	23095	707.5	24.52	25.00	1.117	0.01	0.183	0.204
	LTE Band 12_ANT 0C	10M	QPSK	25	0	Right Tilted	0mm	23095	707.5	23.62	24.00	1.091	0	0.155	0.169
	LTE Band 12_ANT 0C	10M	QPSK	1	49	Left Cheek	0mm	23095	707.5	24.52	25.00	1.117	-0.18	0.317	0.354
	LTE Band 12_ANT 0C	10M	QPSK	25	0	Left Cheek	0mm	23095	707.5	23.62	24.00	1.091	-0.13	0.261	0.285
	LTE Band 12_ANT 0C	10M	QPSK	1	49	Left Tilted	0mm	23095	707.5	24.52	25.00	1.117	0.1	0.226	0.252
	LTE Band 12_ANT 0C	10M	QPSK	25	0	Left Tilted	0mm	23095	707.5	23.62	24.00	1.091	0.08	0.190	0.207
Simultaneous Transmission is active															
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 12_ANT 1	10M	QPSK	1	49	Right Cheek	0mm	23095	707.5	21.7	22.00	1.072	0.17	0.890	0.954
	LTE Band 12_ANT 1	10M	QPSK	25	0	Right Cheek	0mm	23095	707.5	21.55	22.00	1.109	0.02	0.711	0.789
	LTE Band 12_ANT 1	10M	QPSK	50	0	Right Cheek	0mm	23095	707.5	21.53	22.00	1.114	0.03	0.699	0.779
	LTE Band 12_ANT 1	10M	QPSK	1	49	Right Tilted	0mm	23095	707.5	21.7	22.00	1.072	0.02	0.521	0.558
	LTE Band 12_ANT 1	10M	QPSK	25	0	Right Tilted	0mm	23095	707.5	21.55	22.00	1.109	0.01	0.511	0.567
	LTE Band 12_ANT 1	10M	QPSK	1	49	Left Cheek	0mm	23095	707.5	21.7	22.00	1.072	0.08	0.433	0.464
	LTE Band 12_ANT 1	10M	QPSK	25	0	Left Cheek	0mm	23095	707.5	21.55	22.00	1.109	0.09	0.421	0.467
	LTE Band 12_ANT 1	10M	QPSK	1	49	Left Tilted	0mm	23095	707.5	21.7	22.00	1.072	0.15	0.332	0.356
	LTE Band 12_ANT 1	10M	QPSK	25	0	Left Tilted	0mm	23095	707.5	21.55	22.00	1.109	0.05	0.321	0.356
	LTE Band 12_ANT 0C	10M	QPSK	1	49	Right Cheek	0mm	23095	707.5	24.52	25.00	1.117	-0.01	0.206	0.230
	LTE Band 12_ANT 0C	10M	QPSK	25	0	Right Cheek	0mm	23095	707.5	23.62	24.00	1.091	0.11	0.171	0.187
	LTE Band 12_ANT 0C	10M	QPSK	1	49	Right Tilted	0mm	23095	707.5	24.52	25.00	1.117	0.01	0.183	0.204
	LTE Band 12_ANT 0C	10M	QPSK	25	0	Right Tilted	0mm	23095	707.5	23.62	24.00	1.091	0	0.155	0.169
	LTE Band 12_ANT 0C	10M	QPSK	1	49	Left Cheek	0mm	23095	707.5	24.52	25.00	1.117	-0.18	0.317	0.354
	LTE Band 12_ANT 0C	10M	QPSK	25	0	Left Cheek	0mm	23095	707.5	23.62	24.00	1.091	-0.13	0.261	0.285
	LTE Band 12_ANT 0C	10M	QPSK	1	49	Left Tilted	0mm	23095	707.5	24.52	25.00	1.117	0.1	0.226	0.252
	LTE Band 12_ANT 0C	10M	QPSK	25	0	Left Tilted	0mm	23095	707.5	23.62	24.00	1.091	0.08	0.190	0.207



Standalone															
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
11	LTE Band 13_ANT 1	10M	QPSK	1	25	Right Cheek	0mm	23230	782	21.5	23.30	1.514	0.11	0.891	1.349
	LTE Band 13_ANT 1	10M	QPSK	25	0	Right Cheek	0mm	23230	782	21.49	23.30	1.517	0.03	0.701	1.063
	LTE Band 13_ANT 1	10M	QPSK	50	0	Right Cheek	0mm	23230	782	21.33	23.30	1.574	0.02	0.711	1.119
	LTE Band 13_ANT 1	10M	QPSK	1	25	Right Tilted	0mm	23230	782	21.5	23.30	1.514	0	0.522	0.790
	LTE Band 13_ANT 1	10M	QPSK	25	0	Right Tilted	0mm	23230	782	21.49	23.30	1.517	0.08	0.521	0.790
	LTE Band 13_ANT 1	10M	QPSK	1	25	Left Cheek	0mm	23230	782	21.5	23.30	1.514	0.14	0.398	0.602
	LTE Band 13_ANT 1	10M	QPSK	25	0	Left Cheek	0mm	23230	782	21.49	23.30	1.517	0.15	0.388	0.589
	LTE Band 13_ANT 1	10M	QPSK	1	25	Left Tilted	0mm	23230	782	21.5	23.30	1.514	0.02	0.321	0.486
	LTE Band 13_ANT 1	10M	QPSK	25	0	Left Tilted	0mm	23230	782	21.49	23.30	1.517	0.01	0.311	0.472
	LTE Band 13_ANT 0C	10M	QPSK	1	25	Right Cheek	0mm	23230	782	24.39	25.00	1.151	-0.09	0.266	0.306
	LTE Band 13_ANT 0C	10M	QPSK	25	0	Right Cheek	0mm	23230	782	23.55	24.00	1.109	-0.14	0.222	0.246
	LTE Band 13_ANT 0C	10M	QPSK	1	25	Right Tilted	0mm	23230	782	24.39	25.00	1.151	0.04	0.252	0.290
	LTE Band 13_ANT 0C	10M	QPSK	25	0	Right Tilted	0mm	23230	782	23.55	24.00	1.109	0	0.206	0.228
	LTE Band 13_ANT 0C	10M	QPSK	1	25	Left Cheek	0mm	23230	782	24.39	25.00	1.151	0	0.410	0.472
	LTE Band 13_ANT 0C	10M	QPSK	25	0	Left Cheek	0mm	23230	782	23.55	24.00	1.109	-0.06	0.337	0.374
	LTE Band 13_ANT 0C	10M	QPSK	1	25	Left Tilted	0mm	23230	782	24.39	25.00	1.151	-0.11	0.248	0.285
	LTE Band 13_ANT 0C	10M	QPSK	25	0	Left Tilted	0mm	23230	782	23.55	24.00	1.109	-0.17	0.201	0.223
Simultaneous Transmission is active															
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 13_ANT 1	10M	QPSK	1	25	Right Cheek	0mm	23230	782	21.5	21.50	1.000	0.11	0.891	0.891
	LTE Band 13_ANT 1	10M	QPSK	25	0	Right Cheek	0mm	23230	782	21.49	21.50	1.002	0.03	0.701	0.703
	LTE Band 13_ANT 1	10M	QPSK	50	0	Right Cheek	0mm	23230	782	21.33	21.50	1.040	0.02	0.711	0.739
	LTE Band 13_ANT 1	10M	QPSK	1	25	Right Tilted	0mm	23230	782	21.5	21.50	1.000	0	0.522	0.522
	LTE Band 13_ANT 1	10M	QPSK	25	0	Right Tilted	0mm	23230	782	21.49	21.50	1.002	0.08	0.521	0.522
	LTE Band 13_ANT 1	10M	QPSK	1	25	Left Cheek	0mm	23230	782	21.5	21.50	1.000	0.14	0.398	0.398
	LTE Band 13_ANT 1	10M	QPSK	25	0	Left Cheek	0mm	23230	782	21.49	21.50	1.002	0.15	0.388	0.389
	LTE Band 13_ANT 1	10M	QPSK	1	25	Left Tilted	0mm	23230	782	21.5	21.50	1.000	0.02	0.321	0.321
	LTE Band 13_ANT 1	10M	QPSK	25	0	Left Tilted	0mm	23230	782	21.49	21.50	1.002	0.01	0.311	0.312
	LTE Band 13_ANT 0C	10M	QPSK	1	25	Right Cheek	0mm	23230	782	24.39	25.00	1.151	-0.09	0.266	0.306
	LTE Band 13_ANT 0C	10M	QPSK	25	0	Right Cheek	0mm	23230	782	23.55	24.00	1.109	-0.14	0.222	0.246
	LTE Band 13_ANT 0C	10M	QPSK	1	25	Right Tilted	0mm	23230	782	24.39	25.00	1.151	0.04	0.252	0.290
	LTE Band 13_ANT 0C	10M	QPSK	25	0	Right Tilted	0mm	23230	782	23.55	24.00	1.109	0	0.206	0.228
	LTE Band 13_ANT 0C	10M	QPSK	1	25	Left Cheek	0mm	23230	782	24.39	25.00	1.151	0	0.410	0.472
	LTE Band 13_ANT 0C	10M	QPSK	25	0	Left Cheek	0mm	23230	782	23.55	24.00	1.109	-0.06	0.337	0.374
	LTE Band 13_ANT 0C	10M	QPSK	1	25	Left Tilted	0mm	23230	782	24.39	25.00	1.151	-0.11	0.248	0.285
	LTE Band 13_ANT 0C	10M	QPSK	25	0	Left Tilted	0mm	23230	782	23.55	24.00	1.109	-0.17	0.201	0.223



Standalone															
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
12	LTE Band 14_ANT 1	10M	QPSK	1	0	Right Cheek	0mm	23330	793	22.14	23.80	1.466	0.04	0.900	1.319
	LTE Band 14_ANT 1	10M	QPSK	25	0	Right Cheek	0mm	23330	793	21.98	23.80	1.521	0.03	0.798	1.213
	LTE Band 14_ANT 1	10M	QPSK	50	0	Right Cheek	0mm	23330	793	21.94	23.80	1.535	0.02	0.792	1.215
	LTE Band 14_ANT 1	10M	QPSK	1	0	Right Tilted	0mm	23330	793	22.14	23.80	1.466	0.14	0.652	0.956
	LTE Band 14_ANT 1	10M	QPSK	25	0	Right Tilted	0mm	23330	793	21.98	23.80	1.521	0.18	0.641	0.975
	LTE Band 14_ANT 1	10M	QPSK	50	0	Right Tilted	0mm	23330	793	21.94	23.80	1.535	0.18	0.635	0.974
	LTE Band 14_ANT 1	10M	QPSK	1	0	Left Cheek	0mm	23330	793	22.14	23.80	1.466	0.19	0.582	0.853
	LTE Band 14_ANT 1	10M	QPSK	25	0	Left Cheek	0mm	23330	793	21.98	23.80	1.521	0.07	0.574	0.873
	LTE Band 14_ANT 1	10M	QPSK	50	0	Left Cheek	0mm	23330	793	21.94	23.80	1.535	0.07	0.561	0.861
	LTE Band 14_ANT 1	10M	QPSK	1	0	Left Tilted	0mm	23330	793	22.14	23.80	1.466	0.03	0.432	0.633
	LTE Band 14_ANT 1	10M	QPSK	25	0	Left Tilted	0mm	23330	793	21.98	23.80	1.521	0.08	0.421	0.640
	LTE Band 14_ANT 0C	10M	QPSK	1	0	Right Cheek	0mm	23330	793	24.7	25.00	1.072	-0.1	0.239	0.256
	LTE Band 14_ANT 0C	10M	QPSK	25	0	Right Cheek	0mm	23330	793	23.57	24.00	1.104	-0.13	0.183	0.202
	LTE Band 14_ANT 0C	10M	QPSK	1	0	Right Tilted	0mm	23330	793	24.7	25.00	1.072	0.12	0.214	0.229
	LTE Band 14_ANT 0C	10M	QPSK	25	0	Right Tilted	0mm	23330	793	23.57	24.00	1.104	0.1	0.164	0.181
	LTE Band 14_ANT 0C	10M	QPSK	1	0	Left Cheek	0mm	23330	793	24.7	25.00	1.072	0.15	0.465	0.498
	LTE Band 14_ANT 0C	10M	QPSK	25	0	Left Cheek	0mm	23330	793	23.57	24.00	1.104	0.06	0.360	0.397
	LTE Band 14_ANT 0C	10M	QPSK	1	0	Left Tilted	0mm	23330	793	24.7	25.00	1.072	0.07	0.290	0.311
	LTE Band 14_ANT 0C	10M	QPSK	25	0	Left Tilted	0mm	23330	793	23.57	24.00	1.104	0	0.225	0.248
Simultaneous Transmission is active															
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 14_ANT 1	10M	QPSK	1	0	Right Cheek	0mm	23330	793	22.14	22.50	1.086	0.04	0.900	0.978
	LTE Band 14_ANT 1	10M	QPSK	25	0	Right Cheek	0mm	23330	793	21.98	22.50	1.127	0.03	0.798	0.900
	LTE Band 14_ANT 1	10M	QPSK	50	0	Right Cheek	0mm	23330	793	21.94	22.50	1.138	0.02	0.792	0.901
	LTE Band 14_ANT 1	10M	QPSK	1	0	Right Tilted	0mm	23330	793	22.14	22.50	1.086	0.14	0.652	0.708
	LTE Band 14_ANT 1	10M	QPSK	25	0	Right Tilted	0mm	23330	793	21.98	22.50	1.127	0.18	0.641	0.723
	LTE Band 14_ANT 1	10M	QPSK	1	0	Left Cheek	0mm	23330	793	22.14	22.50	1.086	0.19	0.582	0.632
	LTE Band 14_ANT 1	10M	QPSK	25	0	Left Cheek	0mm	23330	793	21.98	22.50	1.127	0.07	0.574	0.647
	LTE Band 14_ANT 1	10M	QPSK	1	0	Left Tilted	0mm	23330	793	22.14	22.50	1.086	0.03	0.432	0.469
	LTE Band 14_ANT 1	10M	QPSK	25	0	Left Tilted	0mm	23330	793	21.98	22.50	1.127	0.08	0.421	0.475
	LTE Band 14_ANT 0C	10M	QPSK	1	0	Right Cheek	0mm	23330	793	24.7	25.00	1.072	-0.1	0.239	0.256
	LTE Band 14_ANT 0C	10M	QPSK	25	0	Right Cheek	0mm	23330	793	23.57	24.00	1.104	-0.13	0.183	0.202
	LTE Band 14_ANT 0C	10M	QPSK	1	0	Right Tilted	0mm	23330	793	24.7	25.00	1.072	0.12	0.214	0.229
	LTE Band 14_ANT 0C	10M	QPSK	25	0	Right Tilted	0mm	23330	793	23.57	24.00	1.104	0.1	0.164	0.181
	LTE Band 14_ANT 0C	10M	QPSK	1	0	Left Cheek	0mm	23330	793	24.7	25.00	1.072	0.15	0.465	0.498
	LTE Band 14_ANT 0C	10M	QPSK	25	0	Left Cheek	0mm	23330	793	23.57	24.00	1.104	0.06	0.360	0.397
	LTE Band 14_ANT 0C	10M	QPSK	1	0	Left Tilted	0mm	23330	793	24.7	25.00	1.072	0.07	0.290	0.311
	LTE Band 14_ANT 0C	10M	QPSK	25	0	Left Tilted	0mm	23330	793	23.57	24.00	1.104	0	0.225	0.248



Standalone															
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 25_ANT 1	20M	QPSK	1	0	Right Cheek	0mm	26140	1860	18.47	20.00	1.422	0.03	0.721	1.025
	LTE Band 25_ANT 1	20M	QPSK	1	0	Right Cheek	0mm	26340	1880	18.42	20.00	1.439	0.02	0.733	1.055
13	LTE Band 25_ANT 1	20M	QPSK	1	0	Right Cheek	0mm	26590	1905	18.45	20.00	1.429	-0.04	0.941	1.345
	LTE Band 25_ANT 1	20M	QPSK	50	0	Right Cheek	0mm	26140	1860	18.47	20.00	1.422	0.02	0.722	1.027
	LTE Band 25_ANT 1	20M	QPSK	50	0	Right Cheek	0mm	26340	1880	18.36	20.00	1.459	0.01	0.730	1.065
	LTE Band 25_ANT 1	20M	QPSK	50	0	Right Cheek	0mm	26590	1905	18.35	20.00	1.462	0.03	0.744	1.088
	LTE Band 25_ANT 1	20M	QPSK	100	0	Right Cheek	0mm	26140	1860	18.5	20.00	1.413	0.02	0.731	1.033
	LTE Band 25_ANT 1	20M	QPSK	1	0	Right Tilted	0mm	26140	1860	18.47	20.00	1.422	0.03	0.322	0.458
	LTE Band 25_ANT 1	20M	QPSK	50	0	Right Tilted	0mm	26140	1860	18.47	20.00	1.422	0.02	0.321	0.457
	LTE Band 25_ANT 1	20M	QPSK	1	0	Left Cheek	0mm	26140	1860	18.47	20.00	1.422	0.01	0.289	0.411
	LTE Band 25_ANT 1	20M	QPSK	50	0	Left Cheek	0mm	26140	1860	18.47	20.00	1.422	0.15	0.267	0.380
	LTE Band 25_ANT 1	20M	QPSK	1	0	Left Tilted	0mm	26140	1860	18.47	20.00	1.422	0.08	0.358	0.509
	LTE Band 25_ANT 1	20M	QPSK	50	0	Left Tilted	0mm	26140	1860	18.47	20.00	1.422	0.14	0.366	0.521
	LTE Band 25_ANT 0B	20M	QPSK	1	0	Right Cheek	0mm	26140	1860	24.96	25.00	1.009	0.03	0.271	0.274
	LTE Band 25_ANT 0B	20M	QPSK	1	0	Right Cheek	0mm	26340	1880	24.93	25.00	1.016	0.09	0.263	0.267
	LTE Band 25_ANT 0B	20M	QPSK	1	0	Right Cheek	0mm	26590	1905	24.87	25.00	1.030	-0.05	0.338	0.348
	LTE Band 25_ANT 0B	20M	QPSK	50	0	Right Cheek	0mm	26140	1860	23.96	24.00	1.009	0.01	0.224	0.226
	LTE Band 25_ANT 0B	20M	QPSK	1	0	Right Tilted	0mm	26140	1860	24.96	25.00	1.009	-0.08	0.067	0.068
	LTE Band 25_ANT 0B	20M	QPSK	50	0	Right Tilted	0mm	26140	1860	23.96	24.00	1.009	-0.1	0.048	0.048
	LTE Band 25_ANT 0B	20M	QPSK	1	0	Left Cheek	0mm	26140	1860	24.96	25.00	1.009	-0.08	0.113	0.114
	LTE Band 25_ANT 0B	20M	QPSK	50	0	Left Cheek	0mm	26140	1860	23.96	24.00	1.009	-0.07	0.088	0.089
	LTE Band 25_ANT 0B	20M	QPSK	1	0	Left Tilted	0mm	26140	1860	24.96	25.00	1.009	0.17	0.087	0.088
	LTE Band 25_ANT 0B	20M	QPSK	50	0	Left Tilted	0mm	26140	1860	23.96	24.00	1.009	0.11	0.073	0.074
	LTE Band 25_ANT 0C	20M	QPSK	1	0	Right Cheek	0mm	26140	1860	24.96	25.00	1.009	0.08	0.407	0.411
	LTE Band 25_ANT 0C	20M	QPSK	50	0	Right Cheek	0mm	26140	1860	23.96	24.00	1.009	0.01	0.298	0.301
	LTE Band 25_ANT 0C	20M	QPSK	1	0	Right Tilted	0mm	26140	1860	24.96	25.00	1.009	0.04	0.185	0.187
	LTE Band 25_ANT 0C	20M	QPSK	50	0	Right Tilted	0mm	26140	1860	23.96	24.00	1.009	-0.06	0.138	0.139
	LTE Band 25_ANT 0C	20M	QPSK	1	0	Left Cheek	0mm	26140	1860	24.96	25.00	1.009	-0.07	0.660	0.666
	LTE Band 25_ANT 0C	20M	QPSK	1	0	Left Cheek	0mm	26340	1880	24.93	25.00	1.016	0.11	0.591	0.601
	LTE Band 25_ANT 0C	20M	QPSK	1	0	Left Cheek	0mm	26590	1905	24.87	25.00	1.030	0.01	0.588	0.606
	LTE Band 25_ANT 0C	20M	QPSK	50	0	Left Cheek	0mm	26140	1860	23.96	24.00	1.009	-0.18	0.525	0.530
	LTE Band 25_ANT 0C	20M	QPSK	1	0	Left Tilted	0mm	26140	1860	24.96	25.00	1.009	0.07	0.456	0.460
	LTE Band 25_ANT 0C	20M	QPSK	50	0	Left Tilted	0mm	26140	1860	23.96	24.00	1.009	-0.11	0.353	0.356
Simultaneous Transmission is active															
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 25_ANT 1	20M	QPSK	1	0	Right Cheek	0mm	26140	1860	18.47	18.50	1.007	0.03	0.721	0.726
	LTE Band 25_ANT 1	20M	QPSK	1	0	Right Cheek	0mm	26340	1880	18.42	18.50	1.019	0.02	0.733	0.747
	LTE Band 25_ANT 1	20M	QPSK	1	0	Right Cheek	0mm	26590	1905	18.45	18.50	1.012	-0.04	0.941	0.952
	LTE Band 25_ANT 1	20M	QPSK	50	24	Right Cheek	0mm	26140	1860	18.42	18.50	1.019	0.02	0.722	0.735
	LTE Band 25_ANT 1	20M	QPSK	50	24	Right Cheek	0mm	26340	1880	18.37	18.50	1.030	0.01	0.730	0.752
	LTE Band 25_ANT 1	20M	QPSK	50	24	Right Cheek	0mm	26590	1905	18.45	18.50	1.012	0.03	0.744	0.753
	LTE Band 25_ANT 1	20M	QPSK	100	0	Right Cheek	0mm	26140	1860	18.5	18.50	1.000	0.02	0.731	0.731
	LTE Band 25_ANT 1	20M	QPSK	1	0	Right Tilted	0mm	26140	1860	18.47	18.50	1.007	0.03	0.322	0.324
	LTE Band 25_ANT 1	20M	QPSK	50	24	Right Tilted	0mm	26140	1860	18.42	18.50	1.019	0.02	0.321	0.327
	LTE Band 25_ANT 1	20M	QPSK	1	0	Left Cheek	0mm	26140	1860	18.47	18.50	1.007	0.01	0.289	0.291
	LTE Band 25_ANT 1	20M	QPSK	50	24	Left Cheek	0mm	26140	1860	18.42	18.50	1.019	0.15	0.267	0.272
	LTE Band 25_ANT 1	20M	QPSK	1	0	Left Tilted	0mm	26140	1860	18.47	18.50	1.007	0.08	0.358	0.360
	LTE Band 25_ANT 1	20M	QPSK	50	24	Left Tilted	0mm	26140	1860	18.42	18.50	1.019	0.14	0.366	0.373



LTE Band 25_ANT 0B	20M	QPSK	1	0	Right Cheek	0mm	26140	1860	24.96	25.00	1.009	0.03	0.271	0.274
LTE Band 25_ANT 0B	20M	QPSK	1	0	Right Cheek	0mm	26340	1880	24.93	25.00	1.016	0.09	0.263	0.267
LTE Band 25_ANT 0B	20M	QPSK	1	0	Right Cheek	0mm	26590	1905	24.87	25.00	1.030	-0.05	0.338	0.348
LTE Band 25_ANT 0B	20M	QPSK	50	0	Right Cheek	0mm	26140	1860	23.96	24.00	1.009	0.01	0.224	0.226
LTE Band 25_ANT 0B	20M	QPSK	1	0	Right Tilted	0mm	26140	1860	24.96	25.00	1.009	-0.08	0.067	0.068
LTE Band 25_ANT 0B	20M	QPSK	50	0	Right Tilted	0mm	26140	1860	23.96	24.00	1.009	-0.1	0.048	0.048
LTE Band 25_ANT 0B	20M	QPSK	1	0	Left Cheek	0mm	26140	1860	24.96	25.00	1.009	-0.08	0.113	0.114
LTE Band 25_ANT 0B	20M	QPSK	50	0	Left Cheek	0mm	26140	1860	23.96	24.00	1.009	-0.07	0.088	0.089
LTE Band 25_ANT 0B	20M	QPSK	1	0	Left Tilted	0mm	26140	1860	24.96	25.00	1.009	0.17	0.087	0.088
LTE Band 25_ANT 0B	20M	QPSK	50	0	Left Tilted	0mm	26140	1860	23.96	24.00	1.009	0.11	0.073	0.074
LTE Band 25_ANT 0C	20M	QPSK	1	0	Right Cheek	0mm	26140	1860	24.96	25.00	1.009	0.08	0.407	0.411
LTE Band 25_ANT 0C	20M	QPSK	50	0	Right Cheek	0mm	26140	1860	23.96	24.00	1.009	0.01	0.298	0.301
LTE Band 25_ANT 0C	20M	QPSK	1	0	Right Tilted	0mm	26140	1860	24.96	25.00	1.009	0.04	0.185	0.187
LTE Band 25_ANT 0C	20M	QPSK	50	0	Right Tilted	0mm	26140	1860	23.96	24.00	1.009	-0.06	0.138	0.139
LTE Band 25_ANT 0C	20M	QPSK	1	0	Left Cheek	0mm	26140	1860	24.96	25.00	1.009	-0.07	0.660	0.666
LTE Band 25_ANT 0C	20M	QPSK	1	0	Left Cheek	0mm	26340	1880	24.93	25.00	1.016	0.11	0.591	0.601
LTE Band 25_ANT 0C	20M	QPSK	1	0	Left Cheek	0mm	26590	1905	24.87	25.00	1.030	0.01	0.588	0.606
LTE Band 25_ANT 0C	20M	QPSK	50	0	Left Cheek	0mm	26140	1860	23.96	24.00	1.009	-0.18	0.525	0.530
LTE Band 25_ANT 0C	20M	QPSK	1	0	Left Tilted	0mm	26140	1860	24.96	25.00	1.009	0.07	0.456	0.460
LTE Band 25_ANT 0C	20M	QPSK	50	0	Left Tilted	0mm	26140	1860	23.96	24.00	1.009	-0.11	0.353	0.356



Standalone															
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
14	LTE Band 26_ANT 1	15M	QPSK	1	0	Right Cheek	0mm	26865	831.5	20.4	22.00	1.445	0	0.921	1.331
	LTE Band 26_ANT 1	15M	QPSK	36	0	Right Cheek	0mm	26865	831.5	20.3	22.00	1.479	0.02	0.711	1.052
	LTE Band 26_ANT 1	15M	QPSK	75	0	Right Cheek	0mm	26865	831.5	20.31	22.00	1.476	0.04	0.705	1.040
	LTE Band 26_ANT 1	15M	QPSK	1	0	Right Tilted	0mm	26865	831.5	20.4	22.00	1.445	0.01	0.528	0.763
	LTE Band 26_ANT 1	15M	QPSK	36	0	Right Tilted	0mm	26865	831.5	20.3	22.00	1.479	0.08	0.511	0.756
	LTE Band 26_ANT 1	15M	QPSK	1	0	Left Cheek	0mm	26865	831.5	20.4	22.00	1.445	0.01	0.428	0.619
	LTE Band 26_ANT 1	15M	QPSK	36	0	Left Cheek	0mm	26865	831.5	20.3	22.00	1.479	-0.09	0.412	0.609
	LTE Band 26_ANT 1	15M	QPSK	1	0	Left Tilted	0mm	26865	831.5	20.4	22.00	1.445	-0.08	0.385	0.556
	LTE Band 26_ANT 1	15M	QPSK	36	0	Left Tilted	0mm	26865	831.5	20.3	22.00	1.479	0.07	0.374	0.553
	LTE Band 5B_ANT1	10M	QPSK	1	0	Right Cheek	0mm	20525	836.5	20.25	22.00	1.496	0.14	0.625	0.935
	LTE Band 26_ANT 0C	15M	QPSK	1	0	Right Cheek	0mm	26865	831.5	24.46	25.00	1.132	-0.02	0.155	0.176
	LTE Band 26_ANT 0C	15M	QPSK	36	0	Right Cheek	0mm	26865	831.5	23.55	24.00	1.109	-0.04	0.125	0.139
	LTE Band 26_ANT 0C	15M	QPSK	1	0	Right Tilted	0mm	26865	831.5	24.46	25.00	1.132	0	0.147	0.166
	LTE Band 26_ANT 0C	15M	QPSK	36	0	Right Tilted	0mm	26865	831.5	23.55	24.00	1.109	-0.01	0.119	0.132
	LTE Band 26_ANT 0C	15M	QPSK	1	0	Left Cheek	0mm	26865	831.5	24.46	25.00	1.132	0.06	0.380	0.430
	LTE Band 26_ANT 0C	15M	QPSK	36	0	Left Cheek	0mm	26865	831.5	23.55	24.00	1.109	0.02	0.311	0.345
	LTE Band 26_ANT 0C	15M	QPSK	1	0	Left Tilted	0mm	26865	831.5	24.46	25.00	1.132	0	0.254	0.288
	LTE Band 26_ANT 0C	15M	QPSK	36	0	Left Tilted	0mm	26865	831.5	23.55	24.00	1.109	0.07	0.200	0.222
	LTE Band 5B_ANT 0C	10M	QPSK	1	0	Left Cheek	0mm	20525	836.5	23.22	25.00	1.507	-0.07	0.272	0.410
Simultaneous Transmission is active															
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 26_ANT 1	15M	QPSK	1	0	Right Cheek	0mm	26865	831.5	20.4	20.50	1.023	0	0.921	0.942
	LTE Band 26_ANT 1	15M	QPSK	36	0	Right Cheek	0mm	26865	831.5	20.3	20.50	1.047	0.02	0.711	0.745
	LTE Band 26_ANT 1	15M	QPSK	75	0	Right Cheek	0mm	26865	831.5	20.31	20.50	1.045	0.04	0.705	0.737
	LTE Band 26_ANT 1	15M	QPSK	1	0	Right Tilted	0mm	26865	831.5	20.4	20.50	1.023	0.01	0.528	0.540
	LTE Band 26_ANT 1	15M	QPSK	36	0	Right Tilted	0mm	26865	831.5	20.3	20.50	1.047	0.08	0.511	0.535
	LTE Band 26_ANT 1	15M	QPSK	1	0	Left Cheek	0mm	26865	831.5	20.4	20.50	1.023	0.01	0.428	0.438
	LTE Band 26_ANT 1	15M	QPSK	36	0	Left Cheek	0mm	26865	831.5	20.3	20.50	1.047	-0.09	0.412	0.431
	LTE Band 26_ANT 1	15M	QPSK	1	0	Left Tilted	0mm	26865	831.5	20.4	20.50	1.023	-0.08	0.385	0.394
	LTE Band 26_ANT 1	15M	QPSK	36	0	Left Tilted	0mm	26865	831.5	20.3	20.50	1.047	0.07	0.374	0.392
	LTE Band 5B_ANT 1	10M	QPSK	1	0	Right Cheek	0mm	20525	836.5	18.72	20.50	1.507	0.14	0.539	0.812
	LTE Band 26_ANT 0C	15M	QPSK	1	0	Right Cheek	0mm	26865	831.5	24.46	25.00	1.132	-0.02	0.155	0.176
	LTE Band 26_ANT 0C	15M	QPSK	36	0	Right Cheek	0mm	26865	831.5	23.55	24.00	1.109	-0.04	0.125	0.139
	LTE Band 26_ANT 0C	15M	QPSK	1	0	Right Tilted	0mm	26865	831.5	24.46	25.00	1.132	0	0.147	0.166
	LTE Band 26_ANT 0C	15M	QPSK	36	0	Right Tilted	0mm	26865	831.5	23.55	24.00	1.109	-0.01	0.119	0.132
	LTE Band 26_ANT 0C	15M	QPSK	1	0	Left Cheek	0mm	26865	831.5	24.46	25.00	1.132	0.06	0.380	0.430
	LTE Band 26_ANT 0C	15M	QPSK	36	0	Left Cheek	0mm	26865	831.5	23.55	24.00	1.109	0.02	0.311	0.345
	LTE Band 26_ANT 0C	15M	QPSK	1	0	Left Tilted	0mm	26865	831.5	24.46	25.00	1.132	0	0.254	0.288
	LTE Band 26_ANT 0C	15M	QPSK	36	0	Left Tilted	0mm	26865	831.5	23.55	24.00	1.109	0.07	0.200	0.222
	LTE Band 5B_ANT 0C	10M	QPSK	1	0	Left Cheek	0mm	20525	836.5	23.22	25.00	1.507	-0.07	0.272	0.410



Standalone															
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
15	LTE Band 30_ANT 1	10M	QPSK	1	0	Right Cheek	0mm	27710	2310	17.09	18.90	1.517	-0.14	0.890	1.350
	LTE Band 30_ANT 1	10M	QPSK	25	0	Right Cheek	0mm	27710	2310	17.08	18.90	1.521	0.08	0.853	1.297
	LTE Band 30_ANT 1	10M	QPSK	50	0	Right Cheek	0mm	27710	2310	17.16	18.90	1.493	-0.02	0.876	1.308
	LTE Band 30_ANT 1	10M	QPSK	1	0	Right Tilted	0mm	27710	2310	17.09	18.90	1.517	-0.08	0.616	0.935
	LTE Band 30_ANT 1	10M	QPSK	25	0	Right Tilted	0mm	27710	2310	17.09	18.90	1.517	0.11	0.640	0.971
	LTE Band 30_ANT 1	10M	QPSK	50	0	Right Tilted	0mm	27710	2310	17.16	18.90	1.493	0.11	0.622	0.929
	LTE Band 30_ANT 1	10M	QPSK	1	0	Left Cheek	0mm	27710	2310	17.09	18.90	1.517	0.04	0.659	1.000
	LTE Band 30_ANT 1	10M	QPSK	25	0	Left Cheek	0mm	27710	2310	17.09	18.90	1.517	-0.09	0.680	1.032
	LTE Band 30_ANT 1	10M	QPSK	50	0	Left Cheek	0mm	27710	2310	17.16	18.90	1.493	-0.09	0.655	0.978
	LTE Band 30_ANT 1	10M	QPSK	1	0	Left Tilted	0mm	27710	2310	17.09	18.90	1.517	-0.05	0.652	0.989
	LTE Band 30_ANT 1	10M	QPSK	25	0	Left Tilted	0mm	27710	2310	17.09	18.90	1.517	-0.03	0.678	1.029
	LTE Band 30_ANT 1	10M	QPSK	50	0	Left Tilted	0mm	27710	2310	17.16	18.90	1.493	-0.03	0.659	0.984
	LTE Band 30_ANT 0B	10M	QPSK	1	0	Right Cheek	0mm	27710	2310	21.89	22.50	1.151	0.06	0.410	0.472
	LTE Band 30_ANT 0B	10M	QPSK	25	0	Right Cheek	0mm	27710	2310	20.87	21.50	1.156	0.12	0.350	0.405
	LTE Band 30_ANT 0B	10M	QPSK	1	0	Right Tilted	0mm	27710	2310	21.89	22.50	1.151	0.11	0.210	0.242
	LTE Band 30_ANT 0B	10M	QPSK	25	0	Right Tilted	0mm	27710	2310	20.87	21.50	1.156	-0.08	0.150	0.173
	LTE Band 30_ANT 0B	10M	QPSK	1	0	Left Cheek	0mm	27710	2310	21.89	22.50	1.151	-0.16	0.150	0.173
	LTE Band 30_ANT 0B	10M	QPSK	25	0	Left Cheek	0mm	27710	2310	20.87	21.50	1.156	0.05	0.110	0.127
	LTE Band 30_ANT 0B	10M	QPSK	1	0	Left Tilted	0mm	27710	2310	21.89	22.50	1.151	0.16	0.156	0.180
	LTE Band 30_ANT 0B	10M	QPSK	25	0	Left Tilted	0mm	27710	2310	20.87	21.50	1.156	0.11	0.101	0.117
	LTE Band 30_ANT 0C	10M	QPSK	1	0	Right Cheek	0mm	27710	2310	23.81	24.50	1.172	0.17	0.190	0.223
	LTE Band 30_ANT 0C	10M	QPSK	25	0	Right Cheek	0mm	27710	2310	22.88	23.50	1.153	-0.15	0.153	0.176
	LTE Band 30_ANT 0C	10M	QPSK	1	0	Right Tilted	0mm	27710	2310	23.81	24.50	1.172	-0.05	0.121	0.142
	LTE Band 30_ANT 0C	10M	QPSK	25	0	Right Tilted	0mm	27710	2310	22.88	23.50	1.153	-0.11	0.098	0.113
	LTE Band 30_ANT 0C	10M	QPSK	1	0	Left Cheek	0mm	27710	2310	23.81	24.50	1.172	0.06	0.443	0.519
	LTE Band 30_ANT 0C	10M	QPSK	25	0	Left Cheek	0mm	27710	2310	22.88	23.50	1.153	0.08	0.359	0.414
	LTE Band 30_ANT 0C	10M	QPSK	1	0	Left Tilted	0mm	27710	2310	23.81	24.50	1.172	-0.01	0.082	0.096
	LTE Band 30_ANT 0C	10M	QPSK	25	0	Left Tilted	0mm	27710	2310	22.88	23.50	1.153	0.08	0.065	0.075
Simultaneous Transmission is active															
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 30_ANT 1	10M	QPSK	1	0	Right Cheek	0mm	27710	2310	17.09	17.50	1.099	-0.14	0.890	0.978
	LTE Band 30_ANT 1	10M	QPSK	25	0	Right Cheek	0mm	27710	2310	17.08	17.50	1.102	0.08	0.853	0.940
	LTE Band 30_ANT 1	10M	QPSK	50	0	Right Cheek	0mm	27710	2310	17.16	17.50	1.081	-0.02	0.876	0.947
	LTE Band 30_ANT 1	10M	QPSK	1	0	Right Tilted	0mm	27710	2310	17.09	17.50	1.099	-0.08	0.616	0.677
	LTE Band 30_ANT 1	10M	QPSK	25	0	Right Tilted	0mm	27710	2310	17.09	17.50	1.099	0.11	0.640	0.703
	LTE Band 30_ANT 1	10M	QPSK	1	0	Left Cheek	0mm	27710	2310	17.09	17.50	1.099	0.04	0.659	0.724
	LTE Band 30_ANT 1	10M	QPSK	25	0	Left Cheek	0mm	27710	2310	17.09	17.50	1.099	-0.09	0.680	0.747
	LTE Band 30_ANT 1	10M	QPSK	1	0	Left Tilted	0mm	27710	2310	17.09	17.50	1.099	-0.05	0.652	0.717
	LTE Band 30_ANT 1	10M	QPSK	25	0	Left Tilted	0mm	27710	2310	17.09	17.50	1.099	-0.03	0.678	0.745
	LTE Band 30_ANT 0B	10M	QPSK	1	0	Right Cheek	0mm	27710	2310	21.89	22.50	1.151	0.06	0.410	0.472
	LTE Band 30_ANT 0B	10M	QPSK	25	0	Right Cheek	0mm	27710	2310	20.87	21.50	1.156	0.12	0.350	0.405
	LTE Band 30_ANT 0B	10M	QPSK	1	0	Right Tilted	0mm	27710	2310	21.89	22.50	1.151	0.11	0.210	0.242
	LTE Band 30_ANT 0B	10M	QPSK	25	0	Right Tilted	0mm	27710	2310	20.87	21.50	1.156	-0.08	0.150	0.173
	LTE Band 30_ANT 0B	10M	QPSK	1	0	Left Cheek	0mm	27710	2310	21.89	22.50	1.151	-0.16	0.150	0.173
	LTE Band 30_ANT 0B	10M	QPSK	25	0	Left Cheek	0mm	27710	2310	20.87	21.50	1.156	0.05	0.110	0.127
	LTE Band 30_ANT 0B	10M	QPSK	1	0	Left Tilted	0mm	27710	2310	21.89	22.50	1.151	0.16	0.156	0.180
	LTE Band 30_ANT 0B	10M	QPSK	25	0	Left Tilted	0mm	27710	2310	20.87	21.50	1.156	0.11	0.101	0.117
	LTE Band 30_ANT 0C	10M	QPSK	1	0	Right Cheek	0mm	27710	2310	23.81	24.50	1.172	0.17	0.190	0.223
	LTE Band 30_ANT 0C	10M	QPSK	25	0	Right Cheek	0mm	27710	2310	22.88	23.50	1.153	-0.15	0.153	0.176
	LTE Band 30_ANT 0C	10M	QPSK	1	0	Right Tilted	0mm	27710	2310	23.81	24.50	1.172	-0.05	0.121	0.142
	LTE Band 30_ANT 0C	10M	QPSK	25	0	Right Tilted	0mm	27710	2310	22.88	23.50	1.153	-0.11	0.098	0.113
	LTE Band 30_ANT 0C	10M	QPSK	1	0	Left Cheek	0mm	27710	2310	23.81	24.50	1.172	0.06	0.443	0.519
	LTE Band 30_ANT 0C	10M	QPSK	25	0	Left Cheek	0mm	27710	2310	22.88	23.50	1.153	0.08	0.359	0.414
	LTE Band 30_ANT 0C	10M	QPSK	1	0	Left Tilted	0mm	27710	2310	23.81	24.50	1.172	-0.01	0.082	0.096
	LTE Band 30_ANT 0C	10M	QPSK	25	0	Left Tilted	0mm	27710	2310	22.88	23.50	1.153	0.08	0.065	0.075



Standalone															
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
16	LTE Band 66_ANT 1	20M	QPSK	1	0	Right Cheek	0mm	132572	1770	20.45	21.80	1.365	-0.14	0.986	1.345
	LTE Band 66_ANT 1	20M	QPSK	1	0	Right Cheek	0mm	132072	1720	20.32	21.80	1.406	-0.12	0.928	1.305
	LTE Band 66_ANT 1	20M	QPSK	1	0	Right Cheek	0mm	132322	1745	20.35	21.80	1.396	0.05	0.952	1.329
	LTE Band 66_ANT 1	20M	QPSK	50	0	Right Cheek	0mm	132572	1770	20.35	21.80	1.396	0.12	0.937	1.308
	LTE Band 66_ANT 1	20M	QPSK	50	0	Right Cheek	0mm	132072	1720	20.28	21.80	1.419	-0.15	0.882	1.251
	LTE Band 66_ANT 1	20M	QPSK	50	0	Right Cheek	0mm	132322	1745	20.25	21.80	1.429	-0.02	0.904	1.292
	LTE Band 66_ANT 1	20M	QPSK	100	0	Right Cheek	0mm	132572	1770	20.32	21.80	1.406	-0.13	0.890	1.251
	LTE Band 66_ANT 1	20M	QPSK	1	0	Right Tilted	0mm	132572	1770	20.45	21.80	1.365	0.03	0.719	0.981
	LTE Band 66_ANT 1	20M	QPSK	50	0	Right Tilted	0mm	132572	1770	20.35	21.80	1.396	-0.08	0.683	0.954
	LTE Band 66_ANT 1	20M	QPSK	1	0	Left Cheek	0mm	132572	1770	20.45	21.80	1.365	0.09	0.482	0.658
	LTE Band 66_ANT 1	20M	QPSK	50	0	Left Cheek	0mm	132572	1770	20.35	21.80	1.396	0.13	0.458	0.639
	LTE Band 66_ANT 1	20M	QPSK	1	0	Left Tilted	0mm	132572	1770	20.45	21.80	1.365	0.14	0.340	0.464
	LTE Band 66_ANT 1	20M	QPSK	50	0	Left Tilted	0mm	132572	1770	20.35	21.80	1.396	-0.05	0.323	0.451
	LTE Band 66C_ANT 1	20M	QPSK	1	0	Right Cheek	0mm	1320720	1720	20.24	21.80	1.432	0	0.921	1.319
	LTE Band 66B_ANT 1	15M	QPSK	1	0	Right Cheek	0mm	132322	1745	20.35	21.80	1.396	-0.02	0.911	1.286
	LTE Band 66_ANT 0B	20M	QPSK	1	0	Right Cheek	0mm	132572	1770	24.83	25.00	1.040	0.08	0.249	0.259
	LTE Band 66_ANT 0B	20M	QPSK	1	0	Right Cheek	0mm	132072	1720	24.78	25.00	1.052	0.05	0.235	0.247
	LTE Band 66_ANT 0B	20M	QPSK	1	0	Right Cheek	0mm	132322	1745	24.78	25.00	1.052	0.01	0.241	0.254
	LTE Band 66_ANT 0B	20M	QPSK	50	0	Right Cheek	0mm	132572	1770	23.96	24.00	1.009	0.11	0.182	0.184
	LTE Band 66_ANT 0B	20M	QPSK	1	0	Right Tilted	0mm	132572	1770	24.83	25.00	1.040	0.03	0.182	0.189
	LTE Band 66_ANT 0B	20M	QPSK	50	0	Right Tilted	0mm	132572	1770	23.96	24.00	1.009	0.07	0.132	0.133
	LTE Band 66_ANT 0B	20M	QPSK	1	0	Left Cheek	0mm	132572	1770	24.83	25.00	1.040	0.02	0.122	0.127
	LTE Band 66_ANT 0B	20M	QPSK	50	0	Left Cheek	0mm	132572	1770	23.96	24.00	1.009	-0.01	0.093	0.094
	LTE Band 66_ANT 0B	20M	QPSK	1	0	Left Tilted	0mm	132572	1770	24.83	25.00	1.040	-0.09	0.086	0.089
	LTE Band 66_ANT 0B	20M	QPSK	50	0	Left Tilted	0mm	132572	1770	23.96	24.00	1.009	0.18	0.059	0.060
	LTE Band 66C_ANT 0B	20M	QPSK	1	0	Right Cheek	10mm	132072	1720	24.71	25.00	1.069	0.09	0.214	0.229
	LTE Band 66B_ANT 0B	15M	QPSK	1	0	Right Cheek	10mm	132322	1745	24.82	25.00	1.042	0.08	0.212	0.221
	LTE Band 66_ANT 0C	20M	QPSK	1	0	Right Cheek	0mm	132572	1770	24.83	25.00	1.040	0.04	0.238	0.248
	LTE Band 66_ANT 0C	20M	QPSK	50	0	Right Cheek	0mm	132572	1770	23.96	24.00	1.009	0.08	0.178	0.180
	LTE Band 66_ANT 0C	20M	QPSK	1	0	Right Tilted	0mm	132572	1770	24.83	25.00	1.040	0.11	0.174	0.181
	LTE Band 66_ANT 0C	20M	QPSK	50	0	Right Tilted	0mm	132572	1770	23.96	24.00	1.009	-0.05	0.128	0.129
	LTE Band 66_ANT 0C	20M	QPSK	1	0	Left Cheek	0mm	132572	1770	24.83	25.00	1.040	-0.14	0.510	0.530
	LTE Band 66_ANT 0C	20M	QPSK	1	0	Left Cheek	0mm	132072	1720	24.78	25.00	1.052	-0.04	0.450	0.473
	LTE Band 66_ANT 0C	20M	QPSK	1	0	Left Cheek	0mm	132322	1745	24.78	25.00	1.052	-0.03	0.503	0.529
	LTE Band 66_ANT 0C	20M	QPSK	50	0	Left Cheek	0mm	132572	1770	23.96	24.00	1.009	-0.11	0.410	0.414
	LTE Band 66_ANT 0C	20M	QPSK	1	0	Left Tilted	0mm	132572	1770	24.83	25.00	1.040	-0.08	0.313	0.325
	LTE Band 66_ANT 0C	20M	QPSK	50	0	Left Tilted	0mm	132572	1770	23.96	24.00	1.009	0.07	0.239	0.241
	LTE Band 66C_ANT 0C	20M	QPSK	1	0	Left Cheek	10mm	132072	1720	24.71	25.00	1.069	0.09	0.450	0.481
	LTE Band 66B_ANT 0C	15M	QPSK	1	0	Left Cheek	10mm	132322	1745	24.82	25.00	1.042	0.08	0.421	0.439
Simultaneous Transmission is active															
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 66_ANT 1	20M	QPSK	1	0	Right Cheek	0mm	132572	1770	20.45	20.50	1.012	-0.14	0.986	0.997
	LTE Band 66_ANT 1	20M	QPSK	1	0	Right Cheek	0mm	132072	1720	20.32	20.50	1.042	-0.12	0.928	0.968
	LTE Band 66_ANT 1	20M	QPSK	1	0	Right Cheek	0mm	132322	1745	20.35	20.50	1.035	0.05	0.952	0.985
	LTE Band 66_ANT 1	20M	QPSK	50	0	Right Cheek	0mm	132572	1770	20.35	20.50	1.035	0.12	0.937	0.970
	LTE Band 66_ANT 1	20M	QPSK	50	0	Right Cheek	0mm	132072	1720	20.28	20.50	1.052	-0.15	0.882	0.928
	LTE Band 66_ANT 1	20M	QPSK	50	0	Right Cheek	0mm	132322	1745	20.25	20.50	1.059	-0.02	0.904	0.958
	LTE Band 66_ANT 1	20M	QPSK	100	0	Right Cheek	0mm	132572	1770	20.32	20.50	1.042	-0.13	0.890	0.928
	LTE Band 66_ANT 1	20M	QPSK	1	0	Right Tilted	0mm	132572	1770	23.99	24.00	1.002	0.03	0.719	0.721
	LTE Band 66_ANT 1	20M	QPSK	50	0	Right Tilted	0mm	132572	1770	23.95	24.00	1.012	-0.08	0.683	0.691
	LTE Band 66_ANT 1	20M	QPSK	1	0	Left Cheek	0mm	132572	1770	23.99	24.00	1.002	0.09	0.482	0.483



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LTE Band 66_ANT 1	20M	QPSK	50	0	Left Cheek	0mm	132572	1770	23.95	24.00	1.012	0.13	0.458	0.463
LTE Band 66_ANT 1	20M	QPSK	1	0	Left Tilted	0mm	132572	1770	23.99	24.00	1.002	0.14	0.340	0.340
LTE Band 66_ANT 1	20M	QPSK	50	0	Left Tilted	0mm	132572	1770	23.95	24.00	1.012	-0.05	0.323	0.326
LTE Band 66C_ANT 1	20M	QPSK	1	0	Right Cheek	10mm	132072	1720	20.24	20.50	1.062	0	0.921	0.978
LTE Band 66B_ANT 1	15M	QPSK	1	0	Right Cheek	10mm	132322	1745	20.35	20.50	1.035	-0.02	0.911	0.953
LTE Band 66_ANT 0B	20M	QPSK	1	0	Right Cheek	0mm	132572	1770	24.83	25.00	1.040	0.08	0.249	0.259
LTE Band 66_ANT 0B	20M	QPSK	1	0	Right Cheek	0mm	132072	1720	24.78	25.00	1.052	0.05	0.235	0.247
LTE Band 66_ANT 0B	20M	QPSK	1	0	Right Cheek	0mm	132322	1745	24.78	25.00	1.052	0.01	0.241	0.254
LTE Band 66_ANT 0B	20M	QPSK	50	0	Right Cheek	0mm	132572	1770	23.96	24.00	1.009	0.11	0.182	0.184
LTE Band 66_ANT 0B	20M	QPSK	1	0	Right Tilted	0mm	132572	1770	24.83	25.00	1.040	0.03	0.182	0.189
LTE Band 66_ANT 0B	20M	QPSK	50	0	Right Tilted	0mm	132572	1770	23.96	24.00	1.009	0.07	0.132	0.133
LTE Band 66_ANT 0B	20M	QPSK	1	0	Left Cheek	0mm	132572	1770	24.83	25.00	1.040	0.02	0.122	0.127
LTE Band 66_ANT 0B	20M	QPSK	50	0	Left Cheek	0mm	132572	1770	23.96	24.00	1.009	-0.01	0.093	0.094
LTE Band 66_ANT 0B	20M	QPSK	1	0	Left Tilted	0mm	132572	1770	24.83	25.00	1.040	-0.09	0.086	0.089
LTE Band 66_ANT 0B	20M	QPSK	50	0	Left Tilted	0mm	132572	1770	23.96	24.00	1.009	0.18	0.059	0.060
LTE Band 66C_ANT 0B	20M	QPSK	1	0	Right Cheek	10mm	132072	1720	24.71	25.00	1.069	0.09	0.214	0.229
LTE Band 66B_ANT 0B	15M	QPSK	1	0	Right Cheek	10mm	132322	1745	24.82	25.00	1.042	0.08	0.212	0.221
LTE Band 66_ANT 0C	20M	QPSK	1	0	Right Cheek	0mm	132572	1770	24.83	25.00	1.040	0.04	0.238	0.248
LTE Band 66_ANT 0C	20M	QPSK	50	0	Right Cheek	0mm	132572	1770	23.96	24.00	1.009	0.08	0.178	0.180
LTE Band 66_ANT 0C	20M	QPSK	1	0	Right Tilted	0mm	132572	1770	24.83	25.00	1.040	0.11	0.174	0.181
LTE Band 66_ANT 0C	20M	QPSK	50	0	Right Tilted	0mm	132572	1770	23.96	24.00	1.009	-0.05	0.128	0.129
LTE Band 66_ANT 0C	20M	QPSK	1	0	Left Cheek	0mm	132572	1770	24.83	25.00	1.040	-0.14	0.510	0.530
LTE Band 66_ANT 0C	20M	QPSK	1	0	Left Cheek	0mm	132072	1720	24.78	25.00	1.052	-0.04	0.450	0.473
LTE Band 66_ANT 0C	20M	QPSK	1	0	Left Cheek	0mm	132322	1745	24.78	25.00	1.052	-0.03	0.503	0.529
LTE Band 66_ANT 0C	20M	QPSK	50	0	Left Cheek	0mm	132572	1770	23.96	24.00	1.009	-0.11	0.410	0.414
LTE Band 66_ANT 0C	20M	QPSK	1	0	Left Tilted	0mm	132572	1770	24.83	25.00	1.040	-0.08	0.313	0.325
LTE Band 66_ANT 0C	20M	QPSK	50	0	Left Tilted	0mm	132572	1770	23.96	24.00	1.009	0.07	0.239	0.241
LTE Band 66C_ANT 0C	20M	QPSK	1	0	Left Cheek	10mm	132072	1720	24.71	25.00	1.069	0.09	0.489	0.523
LTE Band 66B_ANT 0C	15M	QPSK	1	0	Left Cheek	10mm	132322	1745	24.82	25.00	1.042	0.08	0.479	0.499

Standalone / Simultaneous Transmission is active															
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
17	LTE Band 71_ANT 1	20M	QPSK	1	0	Right Cheek	0mm	133322	683	24.78	25.00	1.052	-0.12	0.944	0.993
	LTE Band 71_ANT 1	20M	QPSK	50	0	Right Cheek	0mm	133322	683	23.64	24.00	1.086	-0.1	0.748	0.813
	LTE Band 71_ANT 1	20M	QPSK	100	0	Right Cheek	0mm	133322	683	23.62	24.00	1.091	-0.1	0.732	0.799
	LTE Band 71_ANT 1	20M	QPSK	1	0	Right Tilted	0mm	133322	683	24.78	25.00	1.052	-0.18	0.905	0.952
	LTE Band 71_ANT 1	20M	QPSK	50	0	Right Tilted	0mm	133322	683	23.64	24.00	1.086	-0.17	0.709	0.770
	LTE Band 71_ANT 1	20M	QPSK	100	0	Right Tilted	0mm	133322	683	23.62	24.00	1.091	-0.13	0.701	0.765
	LTE Band 71_ANT 1	20M	QPSK	1	0	Left Cheek	0mm	133322	683	24.78	25.00	1.052	0	0.781	0.822
	LTE Band 71_ANT 1	20M	QPSK	50	0	Left Cheek	0mm	133322	683	23.64	24.00	1.086	0.1	0.650	0.706
	LTE Band 71_ANT 1	20M	QPSK	100	0	Left Cheek	0mm	133322	683	23.62	24.00	1.091	-0.03	0.639	0.697
	LTE Band 71_ANT 1	20M	QPSK	1	0	Left Tilted	0mm	133322	683	24.78	25.00	1.052	0.06	0.739	0.777
	LTE Band 71_ANT 1	20M	QPSK	50	0	Left Tilted	0mm	133322	683	23.64	24.00	1.086	0.13	0.611	0.664
	LTE Band 71_ANT 0C	20M	QPSK	1	0	Right Cheek	0mm	133322	683	24.78	25.00	1.052	0.12	0.163	0.171
	LTE Band 71_ANT 0C	20M	QPSK	50	0	Right Cheek	0mm	133322	683	23.64	24.00	1.086	0.17	0.125	0.136
	LTE Band 71_ANT 0C	20M	QPSK	1	0	Right Tilted	0mm	133322	683	24.78	25.00	1.052	-0.06	0.127	0.134
	LTE Band 71_ANT 0C	20M	QPSK	50	0	Right Tilted	0mm	133322	683	23.64	24.00	1.086	-0.01	0.099	0.108
	LTE Band 71_ANT 0C	20M	QPSK	1	0	Left Cheek	0mm	133322	683	24.78	25.00	1.052	-0.17	0.220	0.231
	LTE Band 71_ANT 0C	20M	QPSK	50	0	Left Cheek	0mm	133322	683	23.64	24.00	1.086	-0.15	0.172	0.187
	LTE Band 71_ANT 0C	20M	QPSK	1	0	Left Tilted	0mm	133322	683	24.78	25.00	1.052	0.03	0.186	0.196
	LTE Band 71_ANT 0C	20M	QPSK	50	0	Left Tilted	0mm	133322	683	23.64	24.00	1.086	0.07	0.143	0.155



<TDD LTE SAR>

Standalone																		
Note	Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	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)
		LTE Band 41_ANT 1	20M	QPSK	1	99	Right Cheek	0mm	41490	2680	18.95	20.60	1.462	62.9	1.006	-0.07	0.811	1.193
		LTE Band 41_ANT 1	20M	QPSK	1	99	Right Cheek	0mm	39750	2506	18.74	20.60	1.535	62.9	1.006	0.05	0.830	1.281
		LTE Band 41_ANT 1	20M	QPSK	1	99	Right Cheek	0mm	40185	2549.5	18.88	20.60	1.486	62.9	1.006	-0.11	0.645	0.964
		LTE Band 41_ANT 1	20M	QPSK	1	99	Right Cheek	0mm	40620	2593	18.90	20.60	1.479	62.9	1.006	0.08	0.681	1.013
		LTE Band 41_ANT 1	20M	QPSK	1	99	Right Cheek	0mm	41055	2636.5	18.9	20.60	1.479	62.9	1.006	-0.09	0.664	0.988
		LTE Band 41_ANT 1	20M	QPSK	50	50	Right Cheek	0mm	41490	2680	18.92	20.60	1.472	62.9	1.006	0.03	0.788	1.167
		LTE Band 41_ANT 1	20M	QPSK	50	50	Right Cheek	0mm	39750	2506	18.89	20.60	1.483	62.9	1.006	0.05	0.824	1.229
		LTE Band 41_ANT 1	20M	QPSK	50	50	Right Cheek	0mm	40185	2549.5	18.91	20.60	1.476	62.9	1.006	-0.11	0.622	0.923
		LTE Band 41_ANT 1	20M	QPSK	50	50	Right Cheek	0mm	40620	2593	18.83	20.60	1.503	62.9	1.006	0.08	0.658	0.995
		LTE Band 41_ANT 1	20M	QPSK	50	50	Right Cheek	0mm	41055	2636.5	18.86	20.60	1.493	62.9	1.006	-0.09	0.641	0.963
		LTE Band 41_ANT 1	20M	QPSK	100	0	Right Cheek	0mm	41490	2680	18.96	20.60	1.459	62.9	1.006	-0.06	0.773	1.134
		LTE Band 41_ANT 1	20M	QPSK	1	99	Right Tilted	0mm	41490	2680	18.95	20.60	1.462	62.9	1.006	-0.08	0.582	0.856
		LTE Band 41_ANT 1	20M	QPSK	1	99	Right Tilted	0mm	39750	2506	18.74	20.60	1.535	62.9	1.006	0.05	0.547	0.844
		LTE Band 41_ANT 1	20M	QPSK	1	99	Right Tilted	0mm	40185	2549.5	18.88	20.60	1.486	62.9	1.006	-0.11	0.462	0.691
		LTE Band 41_ANT 1	20M	QPSK	1	99	Right Tilted	0mm	40620	2593	18.90	20.60	1.479	62.9	1.006	0.08	0.453	0.674
		LTE Band 41_ANT 1	20M	QPSK	1	99	Right Tilted	0mm	41055	2636.5	18.9	20.60	1.479	62.9	1.006	-0.09	0.487	0.725
		LTE Band 41_ANT 1	20M	QPSK	50	50	Right Tilted	0mm	41490	2680	18.92	20.60	1.472	62.9	1.006	0.07	0.585	0.866
		LTE Band 41_ANT 1	20M	QPSK	50	50	Right Tilted	0mm	39750	2506	18.89	20.60	1.483	62.9	1.006	0.05	0.524	0.782
		LTE Band 41_ANT 1	20M	QPSK	50	50	Right Tilted	0mm	40185	2549.5	18.91	20.60	1.476	62.9	1.006	-0.11	0.438	0.650
		LTE Band 41_ANT 1	20M	QPSK	50	50	Right Tilted	0mm	40620	2593	18.83	20.60	1.503	62.9	1.006	0.08	0.469	0.709
		LTE Band 41_ANT 1	20M	QPSK	50	50	Right Tilted	0mm	41055	2636.5	18.86	20.60	1.493	62.9	1.006	-0.09	0.430	0.646
		LTE Band 41_ANT 1	20M	QPSK	100	0	Right Tilted	0mm	41490	2680	18.96	20.60	1.459	62.9	1.006	-0.06	0.564	0.828
		LTE Band 41_ANT 1	20M	QPSK	1	99	Left Cheek	0mm	41490	2680	18.95	20.60	1.462	62.9	1.006	0.11	0.523	0.769
		LTE Band 41_ANT 1	20M	QPSK	1	99	Left Cheek	0mm	39750	2506	18.74	20.60	1.535	62.9	1.006	0.05	0.468	0.723
		LTE Band 41_ANT 1	20M	QPSK	1	99	Left Cheek	0mm	40185	2549.5	18.88	20.60	1.486	62.9	1.006	-0.11	0.458	0.685
		LTE Band 41_ANT 1	20M	QPSK	1	99	Left Cheek	0mm	40620	2593	18.90	20.60	1.479	62.9	1.006	0.08	0.439	0.653
		LTE Band 41_ANT 1	20M	QPSK	1	99	Left Cheek	0mm	41055	2636.5	18.9	20.60	1.479	62.9	1.006	-0.09	0.475	0.707
		LTE Band 41_ANT 1	20M	QPSK	50	50	Left Cheek	0mm	41490	2680	18.92	20.60	1.472	62.9	1.006	0.15	0.508	0.752
		LTE Band 41_ANT 1	20M	QPSK	50	50	Left Cheek	0mm	39750	2506	18.89	20.60	1.483	62.9	1.006	0.05	0.524	0.782
		LTE Band 41_ANT 1	20M	QPSK	50	50	Left Cheek	0mm	40185	2549.5	18.91	20.60	1.476	62.9	1.006	-0.11	0.438	0.650
		LTE Band 41_ANT 1	20M	QPSK	50	50	Left Cheek	0mm	40620	2593	18.83	20.60	1.503	62.9	1.006	0.08	0.469	0.709
		LTE Band 41_ANT 1	20M	QPSK	50	50	Left Cheek	0mm	41055	2636.5	18.86	20.60	1.493	62.9	1.006	-0.09	0.430	0.646
		LTE Band 41_ANT 1	20M	QPSK	100	0	Left Cheek	0mm	41490	2680	18.96	20.60	1.459	62.9	1.006	-0.06	0.498	0.731
		LTE Band 41_ANT 1	20M	QPSK	1	99	Left Tilted	0mm	41490	2680	18.95	20.60	1.462	62.9	1.006	0.18	0.503	0.740
		LTE Band 41_ANT 1	20M	QPSK	1	99	Left Tilted	0mm	39750	2506	18.74	20.60	1.535	62.9	1.006	0.05	0.437	0.675
		LTE Band 41_ANT 1	20M	QPSK	1	99	Left Tilted	0mm	40185	2549.5	18.88	20.60	1.486	62.9	1.006	-0.11	0.439	0.656
		LTE Band 41_ANT 1	20M	QPSK	1	99	Left Tilted	0mm	40620	2593	18.90	20.60	1.479	62.9	1.006	0.08	0.428	0.637
		LTE Band 41_ANT 1	20M	QPSK	1	99	Left Tilted	0mm	41055	2636.5	18.9	20.60	1.479	62.9	1.006	-0.09	0.455	0.677
		LTE Band 41_ANT 1	20M	QPSK	50	50	Left Tilted	0mm	41490	2680	18.92	20.60	1.472	62.9	1.006	0.09	0.512	0.758
		LTE Band 41_ANT 1	20M	QPSK	50	50	Left Tilted	0mm	39750	2506	18.89	20.60	1.483	62.9	1.006	0.05	0.441	0.658
		LTE Band 41_ANT 1	20M	QPSK	50	50	Left Tilted	0mm	40185	2549.5	18.91	20.60	1.476	62.9	1.006	-0.11	0.421	0.625
		LTE Band 41_ANT 1	20M	QPSK	50	50	Left Tilted	0mm	40620	2593	18.83	20.60	1.503	62.9	1.006	0.08	0.457	0.691
		LTE Band 41_ANT 1	20M	QPSK	50	50	Left Tilted	0mm	41055	2636.5	18.86	20.60	1.493	62.9	1.006	-0.09	0.413	0.620
		LTE Band 41_ANT 1	20M	QPSK	100	0	Left Tilted	0mm	41490	2680	18.96	20.60	1.459	62.9	1.006	-0.06	0.477	0.700
PC2	18	LTE Band 41_ANT 1	20M	QPSK	1	49	Right Cheek	0mm	40185	2549.5	21.30	22.90	1.445	42.9	1.009	0.1	0.924	1.348
		LTE Band 41C_ANT 1	20M	QPSK	1	0	Right Cheek	0mm	39750	2506	18.75	20.60	1.531	62.9	1.006	-0.04	0.646	0.995
PC2		LTE Band 41C_ANT 1	20M	QPSK	1	0	Right Cheek	0mm	39750	2506	21.82	22.90	1.282	42.9	1.009	0.03	0.850	1.100
		LTE Band 41_ANT 0B	20M	QPSK	1	99	Right Cheek	0mm	41490	2680	24.92	25.00	1.019	62.9	1.006	0.15	0.466	0.477
		LTE Band 41_ANT 0B	20M	QPSK	1	99	Right Cheek	0mm	39750	2506	24.47	25.00	1.130	62.9	1.006	-0.04	0.453	0.515
		LTE Band 41_ANT 0B	20M	QPSK	1	49	Right Cheek	0mm	40185	2549.5	24.77	25.00	1.054	62.9	1.006	0.08	0.448	0.475
		LTE Band 41_ANT 0B	20M	QPSK	1	49	Right Cheek	0mm	40620	2593	24.69	25.00	1.074	62.9	1.006	0.16	0.464	0.501



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Report No. : FA8N0620-05A

Note	Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	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)	
		LTE Band 41_ANT 0B	20M	QPSK	1	99	Right Cheek	0mm	41055	2636.5	24.71	25.00	1.069	62.9	1.006	-0.12	0.450	0.484	
		LTE Band 41_ANT 0B	20M	QPSK	50	50	Right Cheek	0mm	41490	2680	23.97	24.00	1.007	62.9	1.006	-0.08	0.365	0.370	
		LTE Band 41_ANT 0B	20M	QPSK	1	99	Right Tilted	0mm	41490	2680	24.92	25.00	1.019	62.9	1.006	0.13	0.164	0.168	
		LTE Band 41_ANT 0B	20M	QPSK	50	50	Right Tilted	0mm	41490	2680	23.97	24.00	1.007	62.9	1.006	0.05	0.133	0.135	
		LTE Band 41_ANT 0B	20M	QPSK	1	99	Left Cheek	0mm	41490	2680	24.92	25.00	1.019	62.9	1.006	0.06	0.281	0.288	
		LTE Band 41_ANT 0B	20M	QPSK	50	50	Left Cheek	0mm	41490	2680	23.97	24.00	1.007	62.9	1.006	-0.18	0.228	0.231	
		LTE Band 41_ANT 0B	20M	QPSK	1	99	Left Tilted	0mm	41490	2680	24.92	25.00	1.019	62.9	1.006	-0.06	0.193	0.198	
		LTE Band 41_ANT 0B	20M	QPSK	50	50	Left Tilted	0mm	41490	2680	23.97	24.00	1.007	62.9	1.006	0.17	0.156	0.158	
PC2		LTE Band 41_ANT 0B	20M	QPSK	1	99	Right Cheek	0mm	40185	2549.5	26.69	27.00	1.074	42.9	1.009	0.03	0.421	0.456	
		LTE Band 41C_ANT 0B	20M	QPSK	1	0	Right Cheek	0mm	39750	2506	24.2	25.00	1.202	62.9	1.006	-0.04	0.412	0.498	
PC2		LTE Band 41C_ANT 0B	20M	QPSK	1	0	Right Cheek	0mm	39750	2506	26.25	27.00	1.189	42.9	1.009	0.04	0.350	0.420	
		LTE Band 41_ANT 0C	20M	QPSK	1	99	Right Cheek	0mm	41490	2680	24.92	25.00	1.019	62.9	1.006	0.04	0.173	0.177	
		LTE Band 41_ANT 0C	20M	QPSK	50	50	Right Cheek	0mm	41490	2680	23.97	24.00	1.007	62.9	1.006	-0.08	0.150	0.152	
		LTE Band 41_ANT 0C	20M	QPSK	1	99	Right Tilted	0mm	41490	2680	24.92	25.00	1.019	62.9	1.006	-0.01	0.089	0.091	
		LTE Band 41_ANT 0C	20M	QPSK	50	50	Right Tilted	0mm	41490	2680	23.97	24.00	1.007	62.9	1.006	0.08	0.078	0.079	
		LTE Band 41_ANT 0C	20M	QPSK	1	99	Left Cheek	0mm	41490	2680	24.92	25.00	1.019	62.9	1.006	0.07	0.423	0.433	
		LTE Band 41_ANT 0C	20M	QPSK	1	99	Left Cheek	0mm	39750	2506	24.47	25.00	1.130	62.9	1.006	-0.04	0.339	0.385	
		LTE Band 41_ANT 0C	20M	QPSK	1	99	Left Cheek	0mm	40185	2549.5	24.77	25.00	1.054	62.9	1.006	-0.06	0.410	0.435	
		LTE Band 41_ANT 0C	20M	QPSK	1	99	Left Cheek	0mm	40620	2593	24.69	25.00	1.074	62.9	1.006	0.02	0.401	0.433	
		LTE Band 41_ANT 0C	20M	QPSK	1	99	Left Cheek	0mm	41055	2636.5	24.71	25.00	1.069	62.9	1.006	0.05	0.410	0.441	
		LTE Band 41_ANT 0C	20M	QPSK	50	50	Left Cheek	0mm	41490	2680	23.97	24.00	1.007	62.9	1.006	0.12	0.361	0.366	
		LTE Band 41_ANT 0C	20M	QPSK	1	99	Left Tilted	0mm	41490	2680	24.92	25.00	1.019	62.9	1.006	0.03	0.092	0.094	
		LTE Band 41_ANT 0C	20M	QPSK	50	50	Left Tilted	0mm	41490	2680	23.97	24.00	1.007	62.9	1.006	-0.14	0.081	0.082	
PC2		LTE Band 41_ANT 0C	20M	QPSK	1	99	Left Cheek	0mm	40185	2549.5	26.69	27.00	1.074	42.9	1.009	0.05	0.389	0.422	
		LTE Band 41C_ANT 0C	20M	QPSK	1	0	Left Cheek	0mm	39750	2506	24.2	25.00	1.202	62.9	1.006	0.03	0.355	0.429	
PC2		LTE Band 41C_ANT 0C	20M	QPSK	1	0	Left Cheek	0mm	39750	2506	26.25	27.00	1.189	42.9	1.009	0.12	0.321	0.385	
Simultaneous Transmission is active																			
		LTE Band 41_ANT 1	20M	QPSK	1	99	Right Cheek	0mm	41490	2680	18.95	19.00	1.012	62.9	1.006	-0.07	0.811	0.825	
		LTE Band 41_ANT 1	20M	QPSK	1	99	Right Cheek	0mm	39750	2506	18.74	19.00	1.062	62.9	1.006	0.05	0.864	0.923	
		LTE Band 41_ANT 1	20M	QPSK	1	99	Right Cheek	0mm	40185	2549.5	18.88	19.00	1.028	62.9	1.006	-0.11	0.645	0.667	
		LTE Band 41_ANT 1	20M	QPSK	1	99	Right Cheek	0mm	40620	2593	18.90	19.00	1.023	62.9	1.006	0.08	0.681	0.701	
		LTE Band 41_ANT 1	20M	QPSK	1	99	Right Cheek	0mm	41055	2636.5	18.9	19.00	1.023	62.9	1.006	-0.09	0.664	0.684	
		LTE Band 41_ANT 1	20M	QPSK	50	50	Right Cheek	0mm	41490	2680	18.92	19.00	1.019	62.9	1.006	0.03	0.788	0.807	
		LTE Band 41_ANT 1	20M	QPSK	100	0	Right Cheek	0mm	41490	2680	18.96	19.00	1.009	62.9	1.006	-0.06	0.796	0.808	
		LTE Band 41_ANT 1	20M	QPSK	1	99	Right Tilted	0mm	41490	2680	18.95	19.00	1.012	62.9	1.006	-0.08	0.582	0.592	
		LTE Band 41_ANT 1	20M	QPSK	50	50	Right Tilted	0mm	41490	2680	18.92	19.00	1.019	62.9	1.006	0.07	0.585	0.599	
		LTE Band 41_ANT 1	20M	QPSK	1	99	Left Cheek	0mm	41490	2680	18.95	19.00	1.012	62.9	1.006	0.11	0.523	0.532	
		LTE Band 41_ANT 1	20M	QPSK	50	50	Left Cheek	0mm	41490	2680	18.92	19.00	1.019	62.9	1.006	0.15	0.508	0.521	
		LTE Band 41_ANT 1	20M	QPSK	1	99	Left Tilted	0mm	41490	2680	18.95	19.00	1.012	62.9	1.006	0.18	0.503	0.512	
		LTE Band 41_ANT 1	20M	QPSK	50	50	Left Tilted	0mm	41490	2680	18.92	19.00	1.019	62.9	1.006	0.09	0.512	0.525	
PC2		LTE Band 41_ANT 1	20M	QPSK	1	49	Right Cheek	0mm	40185	2549.5	21.00	21.00	1.000	42.9	1.009	0.1	0.889	0.897	
		LTE Band 41C_ANT 1	20M	QPSK	1	0	Right Cheek	0mm	39750	2506	18.25	19.00	1.189	62.9	1.006	-0.04	0.646	0.772	
PC2		LTE Band 41C_ANT 1	20M	QPSK	1	0	Right Cheek	0mm	39750	2506	20.23	21.00	1.194	42.9	1.009	-0.02	0.669	0.806	
		LTE Band 41_ANT 0B	20M	QPSK	1	99	Right Cheek	0mm	41490	2680	24.92	25.00	1.019	62.9	1.006	0.15	0.466	0.477	
		LTE Band 41_ANT 0B	20M	QPSK	1	99	Right Cheek	0mm	39750	2506	24.47	25.00	1.130	62.9	1.006	-0.04	0.453	0.515	
		LTE Band 41_ANT 0B	20M	QPSK	1	49	Right Cheek	0mm	40185	2549.5	24.77	25.00	1.054	62.9	1.006	0.08	0.448	0.475	
		LTE Band 41_ANT 0B	20M	QPSK	1	49	Right Cheek	0mm	40620	2593	24.69	25.00	1.074	62.9	1.006	0.16	0.464	0.501	
		LTE Band 41_ANT 0B	20M	QPSK	1	99	Right Cheek	0mm	41055	2636.5	24.71	25.00	1.069	62.9	1.006	-0.12	0.450	0.484	
		LTE Band 41_ANT 0B	20M	QPSK	50	50	Right Cheek	0mm	41490	2680	23.97	24.00	1.007	62.9	1.006	-0.08	0.365	0.370	
		LTE Band 41_ANT 0B	20M	QPSK	1	99	Right Tilted	0mm	41490	2680	24.92	25.00	1.019	62.9	1.006	0.13	0.164	0.168	
		LTE Band 41_ANT 0B	20M	QPSK	50	50	Right Tilted	0mm	41490	2680	23.97	24.00	1.007	62.9	1.006	0.05	0.133	0.135	
		LTE Band 41_ANT 0B	20M	QPSK	1	99	Left Cheek	0mm	41490	2680	24.92	25.00	1.019	62.9	1.006	0.06	0.281	0.288	
		LTE Band 41_ANT 0B	20M	QPSK	50	50	Left Cheek	0mm	41490	2680	23.97	24.00	1.007	62.9	1.006	-0.18	0.228	0.231	



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		LTE Band 41_ANT 0B	20M	QPSK	1	99	Left Tilted	0mm	41490	2680	24.92	25.00	1.019	62.9	1.006	-0.06	0.193	0.198
		LTE Band 41_ANT 0B	20M	QPSK	50	50	Left Tilted	0mm	41490	2680	23.97	24.00	1.007	62.9	1.006	0.17	0.156	0.158
PC2		LTE Band 41_ANT 0B	20M	QPSK	1	99	Right Cheek	0mm	40185	2549.5	26.69	27.00	1.074	42.9	1.009	0.03	0.421	0.456
		LTE Band 41C_ANT 0B	20M	QPSK	1	0	Right Cheek	0mm	39750	2506	24.2	25.00	1.202	62.9	1.006	-0.04	0.412	0.498
PC2		LTE Band 41C_ANT 0B	20M	QPSK	1	0	Right Cheek	0mm	39750	2506	26.25	27.00	1.189	42.9	1.009	0.04	0.350	0.420
		LTE Band 41_ANT 0C	20M	QPSK	1	99	Right Cheek	0mm	41490	2680	24.92	25.00	1.019	62.9	1.006	0.04	0.173	0.177
		LTE Band 41_ANT 0C	20M	QPSK	50	50	Right Cheek	0mm	41490	2680	23.97	24.00	1.007	62.9	1.006	-0.08	0.150	0.152
		LTE Band 41_ANT 0C	20M	QPSK	1	99	Right Tilted	0mm	41490	2680	24.92	25.00	1.019	62.9	1.006	-0.01	0.089	0.091
		LTE Band 41_ANT 0C	20M	QPSK	50	50	Right Tilted	0mm	41490	2680	23.97	24.00	1.007	62.9	1.006	0.08	0.078	0.079
		LTE Band 41_ANT 0C	20M	QPSK	1	99	Left Cheek	0mm	41490	2680	24.92	25.00	1.019	62.9	1.006	0.07	0.423	0.433
		LTE Band 41_ANT 0C	20M	QPSK	1	99	Left Cheek	0mm	39750	2506	24.47	25.00	1.130	62.9	1.006	-0.04	0.339	0.385
		LTE Band 41_ANT 0C	20M	QPSK	1	99	Left Cheek	0mm	40185	2549.5	24.77	25.00	1.054	62.9	1.006	-0.06	0.410	0.435
		LTE Band 41_ANT 0C	20M	QPSK	1	99	Left Cheek	0mm	40620	2593	24.69	25.00	1.074	62.9	1.006	0.02	0.401	0.433
		LTE Band 41_ANT 0C	20M	QPSK	1	99	Left Cheek	0mm	41055	2636.5	24.71	25.00	1.069	62.9	1.006	0.05	0.410	0.441
		LTE Band 41_ANT 0C	20M	QPSK	50	50	Left Cheek	0mm	41490	2680	23.97	24.00	1.007	62.9	1.006	0.12	0.361	0.366
		LTE Band 41_ANT 0C	20M	QPSK	1	99	Left Tilted	0mm	41490	2680	24.92	25.00	1.019	62.9	1.006	0.03	0.092	0.094
		LTE Band 41_ANT 0C	20M	QPSK	50	50	Left Tilted	0mm	41490	2680	23.97	24.00	1.007	62.9	1.006	-0.14	0.081	0.082
PC2		LTE Band 41_ANT 0C	20M	QPSK	1	99	Left Cheek	0mm	40185	2549.5	26.69	27.00	1.074	42.9	1.009	0.05	0.389	0.422
		LTE Band 41C_ANT 0C	20M	QPSK	1	0	Left Cheek	0mm	39750	2506	24.2	25.00	1.202	62.9	1.006	0.03	0.355	0.429
PC2		LTE Band 41C_ANT 0C	20M	QPSK	1	0	Left Cheek	0mm	39750	2506	26.25	27.00	1.189	42.9	1.009	0.12	0.321	0.385



Standalone																	
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	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)
19	LTE Band 48_ANT 1	20M	QPSK	1	0	Right Cheek	0mm	56640	3690	20.34	21.90	1.432	62.9	1.006	-0.03	0.937	1.350
	LTE Band 48_ANT 1	20M	QPSK	1	0	Right Cheek	0mm	55340	3560	20.17	21.90	1.489	62.9	1.006	0.03	0.814	1.220
	LTE Band 48_ANT 1	20M	QPSK	1	0	Right Cheek	0mm	55830	3609	20.08	21.90	1.521	62.9	1.006	0.15	0.785	1.201
	LTE Band 48_ANT 1	20M	QPSK	1	0	Right Cheek	0mm	56150	3641	20.15	21.90	1.496	62.9	1.006	0.08	0.820	1.234
	LTE Band 48_ANT 1	20M	QPSK	50	0	Right Cheek	0mm	56640	3690	20.32	21.90	1.439	62.9	1.006	0.09	0.842	1.219
	LTE Band 48_ANT 1	20M	QPSK	50	0	Right Cheek	0mm	55340	3560	20.15	21.90	1.496	62.9	1.006	0.14	0.801	1.206
	LTE Band 48_ANT 1	20M	QPSK	50	0	Right Cheek	0mm	55830	3609	20.2	21.90	1.479	62.9	1.006	0.05	0.775	1.153
	LTE Band 48_ANT 1	20M	QPSK	50	0	Right Cheek	0mm	56150	3641	20.29	21.90	1.449	62.9	1.006	0.15	0.798	1.163
	LTE Band 48_ANT 1	20M	QPSK	100	0	Right Cheek	0mm	56640	3690	20.24	21.90	1.466	62.9	1.006	-0.06	0.821	1.210
	LTE Band 48_ANT 1	20M	QPSK	1	0	Right Tilted	0mm	56640	3690	20.34	21.90	1.432	62.9	1.006	0.06	0.525	0.756
	LTE Band 48_ANT 1	20M	QPSK	1	0	Right Tilted	0mm	55340	3560	20.17	21.90	1.489	62.9	1.006	0.03	0.474	0.710
	LTE Band 48_ANT 1	20M	QPSK	1	0	Right Tilted	0mm	55830	3609	20.08	21.90	1.521	62.9	1.006	0.15	0.439	0.672
	LTE Band 48_ANT 1	20M	QPSK	1	0	Right Tilted	0mm	56150	3641	20.15	21.90	1.496	62.9	1.006	0.08	0.458	0.689
	LTE Band 48_ANT 1	20M	QPSK	50	0	Right Tilted	0mm	56640	3690	20.32	21.90	1.439	62.9	1.006	-0.04	0.511	0.740
	LTE Band 48_ANT 1	20M	QPSK	50	0	Right Tilted	0mm	55340	3560	20.15	21.90	1.496	62.9	1.006	0.14	0.461	0.694
	LTE Band 48_ANT 1	20M	QPSK	50	0	Right Tilted	0mm	55830	3609	20.2	21.90	1.479	62.9	1.006	0.05	0.432	0.643
	LTE Band 48_ANT 1	20M	QPSK	50	0	Right Tilted	0mm	56150	3641	20.29	21.90	1.449	62.9	1.006	0.15	0.444	0.647
	LTE Band 48_ANT 1	20M	QPSK	100	0	Right Tilted	0mm	56640	3690	20.24	21.90	1.466	62.9	1.006	-0.06	0.482	0.711
	LTE Band 48_ANT 1	20M	QPSK	1	0	Left Cheek	0mm	56640	3690	20.34	21.90	1.432	62.9	1.006	-0.15	0.458	0.660
	LTE Band 48_ANT 1	20M	QPSK	1	0	Left Cheek	0mm	55340	3560	20.17	21.90	1.489	62.9	1.006	0.03	0.408	0.611
	LTE Band 48_ANT 1	20M	QPSK	1	0	Left Cheek	0mm	55830	3609	20.08	21.90	1.521	62.9	1.006	0.15	0.385	0.589
	LTE Band 48_ANT 1	20M	QPSK	1	0	Left Cheek	0mm	56150	3641	20.15	21.90	1.496	62.9	1.006	0.08	0.431	0.649
	LTE Band 48_ANT 1	20M	QPSK	50	0	Left Cheek	0mm	56640	3690	20.32	21.90	1.439	62.9	1.006	0.02	0.432	0.625
	LTE Band 48_ANT 1	20M	QPSK	50	0	Left Cheek	0mm	55340	3560	20.15	21.90	1.496	62.9	1.006	0.14	0.422	0.635
	LTE Band 48_ANT 1	20M	QPSK	50	0	Left Cheek	0mm	55830	3609	20.2	21.90	1.479	62.9	1.006	0.05	0.404	0.601
	LTE Band 48_ANT 1	20M	QPSK	50	0	Left Cheek	0mm	56150	3641	20.29	21.90	1.449	62.9	1.006	0.15	0.416	0.606
	LTE Band 48_ANT 1	20M	QPSK	100	0	Left Cheek	0mm	56640	3690	20.24	21.90	1.466	62.9	1.006	-0.06	0.461	0.680
	LTE Band 48_ANT 1	20M	QPSK	1	0	Left Tilted	0mm	56640	3690	20.34	21.90	1.432	62.9	1.006	0.01	0.411	0.592
	LTE Band 48_ANT 1	20M	QPSK	50	0	Left Tilted	0mm	56640	3690	20.32	21.90	1.439	62.9	1.006	0.08	0.408	0.591
	LTE Band 48C_ANT 1	20M	QPSK	1	0	Right Cheek	0mm	55340	3690	19.5	20.50	1.259	62.9	1.006	-0.03	0.722	0.914
	LTE Band 48_ANT 6	20M	QPSK	1	0	Right Cheek	0mm	56640	3690	22.35	23.00	1.161	62.9	1.006	0.1	0.153	0.179
	LTE Band 48_ANT 6	20M	QPSK	1	0	Right Cheek	0mm	55340	3560	22.22	23.00	1.197	62.9	1.006	0.03	0.131	0.158
	LTE Band 48_ANT 6	20M	QPSK	1	0	Right Cheek	0mm	55830	3609	22.17	23.00	1.211	62.9	1.006	0.08	0.108	0.132
	LTE Band 48_ANT 6	20M	QPSK	1	0	Right Cheek	0mm	56150	3641	22.34	23.00	1.164	62.9	1.006	0.18	0.111	0.130
	LTE Band 48_ANT 6	20M	QPSK	50	0	Right Cheek	0mm	56640	3690	21.49	22.00	1.125	62.9	1.006	0.09	0.089	0.101
	LTE Band 48_ANT 6	20M	QPSK	1	0	Right Tilted	0mm	56640	3690	22.35	23.00	1.161	62.9	1.006	0.02	0.121	0.141
	LTE Band 48_ANT 6	20M	QPSK	50	0	Right Tilted	0mm	56640	3690	21.49	22.00	1.125	62.9	1.006	0.08	0.062	0.070
	LTE Band 48_ANT 6	20M	QPSK	1	0	Left Cheek	0mm	56640	3690	22.35	23.00	1.161	62.9	1.006	0.14	0.111	0.130
	LTE Band 48_ANT 6	20M	QPSK	50	0	Left Cheek	0mm	56640	3690	21.49	22.00	1.125	62.9	1.006	0.11	0.058	0.066
	LTE Band 48_ANT 6	20M	QPSK	1	0	Left Tilted	0mm	56640	3690	22.35	23.00	1.161	62.9	1.006	0.08	0.085	0.099
	LTE Band 48_ANT 6	20M	QPSK	50	0	Left Tilted	0mm	56640	3690	21.49	22.00	1.125	62.9	1.006	0.01	0.023	0.026
	LTE Band 48C_ANT 6	20M	QPSK	1	0	Right Cheek	0mm	55340	3690	22	23.00	1.259	62.9	1.006	-0.03	0.122	0.155
Simultaneous Transmission is active																	
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	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)
	LTE Band 48_ANT 1	20M	QPSK	1	0	Right Cheek	0mm	56640	3690	20.34	20.50	1.038	62.9	1.006	-0.03	0.942	0.983
	LTE Band 48_ANT 1	20M	QPSK	1	0	Right Cheek	0mm	55340	3560	20.17	20.50	1.079	62.9	1.006	0.03	0.814	0.884
	LTE Band 48_ANT 1	20M	QPSK	1	0	Right Cheek	0mm	55830	3609	20.08	20.50	1.102	62.9	1.006	0.15	0.785	0.870
	LTE Band 48_ANT 1	20M	QPSK	1	0	Right Cheek	0mm	56150	3641	20.15	20.50	1.084	62.9	1.006	0.08	0.820	0.894
	LTE Band 48_ANT 1	20M	QPSK	50	0	Right Cheek	0mm	56640	3690	20.32	20.50	1.042	62.9	1.006	0.09	0.842	0.883



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	LTE Band 48_ANT 1	20M	QPSK	50	0	Right Cheek	0mm	55340	3560	20.15	20.50	1.084	62.9	1.006	0.14	0.801	0.873
	LTE Band 48_ANT 1	20M	QPSK	50	0	Right Cheek	0mm	55830	3609	20.2	20.50	1.072	62.9	1.006	0.05	0.775	0.835
	LTE Band 48_ANT 1	20M	QPSK	50	0	Right Cheek	0mm	56150	3641	20.29	20.50	1.050	62.9	1.006	0.15	0.798	0.843
	LTE Band 48_ANT 1	20M	QPSK	100	0	Right Cheek	0mm	56640	3690	20.24	20.50	1.062	62.9	1.006	-0.06	0.821	0.877
	LTE Band 48_ANT 1	20M	QPSK	1	0	Right Tilted	0mm	56640	3690	20.34	20.50	1.038	62.9	1.006	0.06	0.525	0.548
	LTE Band 48_ANT 1	20M	QPSK	50	0	Right Tilted	0mm	56640	3690	20.32	20.50	1.042	62.9	1.006	-0.04	0.511	0.536
	LTE Band 48_ANT 1	20M	QPSK	1	0	Left Cheek	0mm	56640	3690	20.34	20.50	1.038	62.9	1.006	-0.15	0.458	0.478
	LTE Band 48_ANT 1	20M	QPSK	50	0	Left Cheek	0mm	56640	3690	20.32	20.50	1.042	62.9	1.006	0.02	0.432	0.453
	LTE Band 48_ANT 1	20M	QPSK	1	0	Left Tilted	0mm	56640	3690	20.34	20.50	1.038	62.9	1.006	0.01	0.411	0.429
	LTE Band 48_ANT 1	20M	QPSK	50	0	Left Tilted	0mm	56640	3690	20.32	20.50	1.042	62.9	1.006	0.08	0.408	0.428
	LTE Band 48C_ANT 1	20M	QPSK	1	0	Right Cheek	0mm	55340	3690	19.5	20.50	1.259	62.9	1.006	-0.03	0.722	0.914
	LTE Band 48_ANT 6	20M	QPSK	1	0	Right Cheek	0mm	56640	3690	22.35	23.00	1.161	62.9	1.006	0.1	0.153	0.179
	LTE Band 48_ANT 6	20M	QPSK	1	0	Right Cheek	0mm	55340	3560	22.22	23.00	1.197	62.9	1.006	0.03	0.131	0.158
	LTE Band 48_ANT 6	20M	QPSK	1	0	Right Cheek	0mm	55830	3609	22.17	23.00	1.211	62.9	1.006	0.08	0.108	0.132
	LTE Band 48_ANT 6	20M	QPSK	1	0	Right Cheek	0mm	56150	3641	22.34	23.00	1.164	62.9	1.006	0.18	0.111	0.130
	LTE Band 48_ANT 6	20M	QPSK	50	0	Right Cheek	0mm	56640	3690	21.49	22.00	1.125	62.9	1.006	0.09	0.089	0.101
	LTE Band 48_ANT 6	20M	QPSK	1	0	Right Tilted	0mm	56640	3690	22.35	23.00	1.161	62.9	1.006	0.02	0.121	0.141
	LTE Band 48_ANT 6	20M	QPSK	50	0	Right Tilted	0mm	56640	3690	21.49	22.00	1.125	62.9	1.006	0.08	0.062	0.070
	LTE Band 48_ANT 6	20M	QPSK	1	0	Left Cheek	0mm	56640	3690	22.35	23.00	1.161	62.9	1.006	0.14	0.111	0.130
	LTE Band 48_ANT 6	20M	QPSK	50	0	Left Cheek	0mm	56640	3690	21.49	22.00	1.125	62.9	1.006	0.11	0.058	0.066
	LTE Band 48_ANT 6	20M	QPSK	1	0	Left Tilted	0mm	56640	3690	22.35	23.00	1.161	62.9	1.006	0.08	0.085	0.099
	LTE Band 48_ANT 6	20M	QPSK	50	0	Left Tilted	0mm	56640	3690	21.49	22.00	1.125	62.9	1.006	0.01	0.023	0.026
	LTE Band 48C_ANT 6	20M	QPSK	1	0	Right Cheek	0mm	55340	3690	22	23.00	1.259	62.9	1.006	-0.03	0.122	0.155



<WLAN SAR>

Standalone															
Plot No.	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)
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 2	6	2437	11.40	11.50	1.023	98.92	1.011	0.01	0.209	0.216
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 2	6	2437	11.40	11.50	1.023	98.92	1.011	-0.06	0.041	0.042
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 2	6	2437	11.40	11.50	1.023	98.92	1.011	0.14	0.098	0.101
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 2	6	2437	11.40	11.50	1.023	98.92	1.011	-0.06	0.021	0.022
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 4	6	2437	13.10	13.50	1.096	98.85	1.012	-0.1	0.301	0.334
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 4	6	2437	13.10	13.50	1.096	98.85	1.012	-0.19	0.305	0.338
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 4	6	2437	13.10	13.50	1.096	98.85	1.012	-0.07	0.427	0.474
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	6	2437	13.10	13.50	1.096	98.85	1.012	-0.17	0.489	0.543
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	1	2412	13.00	13.50	1.122	98.85	1.012	0.03	0.450	0.511
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	11	2462	13.10	13.50	1.096	98.85	1.012	-0.17	0.487	0.540
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	12	2467	13.06	13.50	1.107	98.85	1.012	-0.07	0.482	0.540
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	13	2472	13.09	13.50	1.099	98.85	1.012	-0.05	0.471	0.524
Simultaneous Transmission is active															
Plot No.	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)
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 2	6	2437	11.40	11.50	1.023	98.92	1.011	0.01	0.209	0.216
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 2	6	2437	11.40	11.50	1.023	98.92	1.011	-0.06	0.041	0.042
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 2	6	2437	11.40	11.50	1.023	98.92	1.011	0.14	0.098	0.101
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 2	6	2437	11.40	11.50	1.023	98.92	1.011	-0.06	0.021	0.022
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 4	6	2437	13.10	13.50	1.096	98.85	1.012	-0.1	0.301	0.334
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 4	6	2437	13.10	13.50	1.096	98.85	1.012	-0.19	0.305	0.338
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 4	6	2437	13.10	13.50	1.096	98.85	1.012	-0.07	0.427	0.474
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	6	2437	13.10	13.50	1.096	98.85	1.012	-0.17	0.489	0.543
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	1	2412	13.00	13.50	1.122	98.85	1.012	0.03	0.450	0.511
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	11	2462	13.10	13.50	1.096	98.85	1.012	-0.17	0.487	0.540
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	12	2467	13.06	13.50	1.107	98.85	1.012	-0.07	0.482	0.540
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 4	13	2472	13.09	13.50	1.099	98.85	1.012	-0.05	0.471	0.524
20	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 2+4(2)	6	2437	14.93	15.00	1.016	99.12	1.009	0.1	0.573	0.588
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 2+4(4)	6	2437	12.90	13.50	1.148	99.12	1.009	0.1	0.346	0.401
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 2+4(2)	1	2412	14.82	15.00	1.042	99.12	1.009	0.1	0.554	0.583
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 2+4(4)	1	2412	12.80	13.50	1.175	99.12	1.009	0.1	0.331	0.392
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 2+4(2)	11	2462	14.73	15.00	1.064	99.12	1.009	0.1	0.531	0.570
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 2+4(4)	11	2462	12.83	13.50	1.167	99.12	1.009	0.1	0.322	0.379
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 2+4(2)	12	2467	14.64	15.00	1.086	99.12	1.009	0.1	0.520	0.570
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 2+4(4)	12	2467	12.85	13.50	1.161	99.12	1.009	0.1	0.316	0.370
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 2+4(2)	13	2472	14.62	15.00	1.091	99.12	1.009	0.1	0.539	0.594
	WLAN2.4GHz	802.11b 1Mbps	Right Cheek	0mm	Ant 2+4(4)	13	2472	12.88	13.50	1.153	99.12	1.009	0.1	0.317	0.369
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 2+4(2)	6	2437	14.93	15.00	1.016	99.12	1.009	-0.1	0.351	0.360
	WLAN2.4GHz	802.11b 1Mbps	Right Tilted	0mm	Ant 2+4(4)	6	2437	12.90	13.50	1.148	99.12	1.009	-0.1	0.354	0.410
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 2+4(2)	6	2437	14.93	15.00	1.016	99.12	1.009	-0.01	0.256	0.263
	WLAN2.4GHz	802.11b 1Mbps	Left Cheek	0mm	Ant 2+4(4)	6	2437	12.90	13.50	1.148	99.12	1.009	-0.01	0.354	0.410
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 2+4(2)	6	2437	14.93	15.00	1.016	99.12	1.009	-0.1	0.061	0.063
	WLAN2.4GHz	802.11b 1Mbps	Left Tilted	0mm	Ant 2+4(4)	6	2437	12.90	13.50	1.148	99.12	1.009	-0.1	0.472	0.547



Standalone															
Plot No.	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)
	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 4	54	5270	16.10	17.50	1.380	96.45	1.037	0.09	0.250	0.358
	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 4	62	5310	16.00	17.00	1.259	96.45	1.037	0.13	0.284	0.371
	WLAN5GHz	802.11n-HT40 MCS0	Right Tilted	0mm	Ant 4	54	5270	16.10	17.50	1.380	96.45	1.037	0.01	0.105	0.150
	WLAN5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 4	54	5270	16.10	17.50	1.380	96.45	1.037	0.08	0.073	0.104
	WLAN5GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 4	54	5270	16.10	17.50	1.380	96.45	1.037	-0.14	0.075	0.107
	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 5	54	5270	16.60	17.00	1.096	96.43	1.037	-0.02	0.248	0.282
	WLAN5GHz	802.11n-HT40 MCS0	Right Tilted	0mm	Ant 5	54	5270	16.60	17.00	1.096	96.43	1.037	-0.08	0.124	0.141
	WLAN5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 5	54	5270	16.60	17.00	1.096	96.43	1.037	0.06	0.067	0.076
	WLAN5GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 5	54	5270	16.60	17.00	1.096	96.43	1.037	0.07	0.057	0.065
Simultaneous Transmission is active															
Plot No.	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)
	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 4	54	5270	16.10	17.50	1.380	96.45	1.037	0.09	0.250	0.358
	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 4	62	5310	16.00	17.00	1.259	96.45	1.037	0.13	0.284	0.371
	WLAN5GHz	802.11n-HT40 MCS0	Right Tilted	0mm	Ant 4	54	5270	16.10	17.50	1.380	96.45	1.037	0.01	0.105	0.150
	WLAN5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 4	54	5270	16.10	17.50	1.380	96.45	1.037	0.08	0.073	0.104
	WLAN5GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 4	54	5270	16.10	17.50	1.380	96.45	1.037	-0.14	0.075	0.107
	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 5	54	5270	16.60	17.00	1.096	96.43	1.037	-0.02	0.248	0.282
	WLAN5GHz	802.11n-HT40 MCS0	Right Tilted	0mm	Ant 5	54	5270	16.60	17.00	1.096	96.43	1.037	-0.08	0.124	0.141
	WLAN5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 5	54	5270	16.60	17.00	1.096	96.43	1.037	0.06	0.067	0.076
	WLAN5GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 5	54	5270	16.60	17.00	1.096	96.43	1.037	0.07	0.057	0.065
	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 4+5(4)	54	5270	16.34	16.5	1.038	96.43	1.037	0.1	0.378	0.407
21	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 4+5(5)	54	5270	17.68	19.5	1.521	96.43	1.037	0.1	0.279	0.440
	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 4+5(4)	62	5310	16.15	16.5	1.084	96.43	1.037	0.03	0.355	0.399
	WLAN5GHz	802.11n-HT40 MCS0	Right Cheek	0mm	Ant 4+5(5)	62	5310	16.8	17	1.047	96.43	1.037	0.03	0.268	0.291
	WLAN5GHz	802.11n-HT40 MCS0	Right Tilted	0mm	Ant 4+5(4)	54	5270	16.34	16.5	1.038	96.43	1.037	0.14	0.324	0.349
	WLAN5GHz	802.11n-HT40 MCS0	Right Tilted	0mm	Ant 4+5(5)	54	5270	17.68	19.5	1.521	96.43	1.037	0.14	0.271	0.427
	WLAN5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 4+5(4)	54	5270	16.34	16.5	1.038	96.43	1.037	0.19	0.307	0.330
	WLAN5GHz	802.11n-HT40 MCS0	Left Cheek	0mm	Ant 4+5(5)	54	5270	17.68	19.5	1.521	96.43	1.037	0.19	0.096	0.152
	WLAN5GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 4+5(4)	54	5270	16.34	16.5	1.038	96.43	1.037	0.06	0.311	0.335
	WLAN5GHz	802.11n-HT40 MCS0	Left Tilted	0mm	Ant 4+5(5)	54	5270	17.68	19.5	1.521	96.43	1.037	0.06	0.117	0.184



Standalone															
Plot No.	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)
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4	138	5690	11.40	13.00	1.445	92.22	1.084	0.14	0.278	0.436
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4	106	5530	11.20	13.00	1.514	92.22	1.084	0.04	0.193	0.317
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4	122	5610	11.40	13.00	1.445	92.22	1.084	-0.16	0.211	0.331
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4	138	5690	11.40	13.00	1.445	92.22	1.084	0.03	0.164	0.257
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4	138	5690	11.40	13.00	1.445	92.22	1.084	0.12	0.109	0.171
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4	138	5690	11.40	13.00	1.445	92.22	1.084	-0.07	0.097	0.152
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 5	138	5690	17.90	18.00	1.023	92.77	1.078	0.13	0.228	0.252
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 5	138	5690	17.90	18.00	1.023	92.77	1.078	0.04	0.202	0.223
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5	138	5690	17.90	18.00	1.023	92.77	1.078	0.12	0.103	0.114
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 5	138	5690	17.90	18.00	1.023	92.77	1.078	0.14	0.055	0.061
Simultaneous Transmission is active															
Plot No.	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)
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4	138	5690	11.40	13.00	1.445	92.22	1.084	0.14	0.278	0.436
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4	106	5530	11.20	13.00	1.514	92.22	1.084	0.04	0.193	0.317
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4	122	5610	11.40	13.00	1.445	92.22	1.084	-0.16	0.211	0.331
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4	138	5690	11.40	13.00	1.445	92.22	1.084	0.03	0.164	0.257
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4	138	5690	11.40	13.00	1.445	92.22	1.084	0.12	0.109	0.171
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4	138	5690	11.40	13.00	1.445	92.22	1.084	-0.07	0.097	0.152
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 5	138	5690	17.90	18.00	1.023	92.77	1.078	0.13	0.228	0.252
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 5	138	5690	17.90	18.00	1.023	92.77	1.078	0.04	0.202	0.223
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5	138	5690	17.90	18.00	1.023	92.77	1.078	0.12	0.103	0.114
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 5	138	5690	17.90	18.00	1.023	92.77	1.078	0.14	0.055	0.061
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+5(4)	138	5690	12.87	13	1.030	92.81	1.077	0.03	0.403	0.447
22	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+5(5)	138	5690	19.81	20	1.045	92.81	1.077	0.03	0.405	0.456
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+5(4)	106	5530	12.61	13	1.094	92.81	1.077	0.1	0.368	0.434
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+5(5)	106	5530	16.8	17	1.047	92.81	1.077	0.1	0.263	0.297
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+5(4)	122	5610	12.71	13	1.069	92.81	1.077	0.16	0.341	0.393
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+5(5)	122	5610	19.58	20	1.102	92.81	1.077	0.16	0.349	0.414
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+5(4)	138	5690	12.87	13	1.030	92.81	1.077	0.13	0.367	0.407
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+5(5)	138	5690	19.81	20	1.045	92.81	1.077	0.13	0.403	0.453
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+5(4)	138	5690	12.87	13	1.030	92.81	1.077	-0.01	0.348	0.386
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+5(5)	138	5690	19.81	20	1.045	92.81	1.077	-0.01	0.148	0.166
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+5(4)	138	5690	12.87	13	1.030	92.81	1.077	-0.09	0.368	0.408
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+5(5)	138	5690	19.81	20	1.045	92.81	1.077	-0.09	0.179	0.202



Standalone															
Plot No.	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)
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4	155	5775	10.40	12.00	1.445	92.22	1.084	-0.01	0.261	0.409
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4	155	5775	10.40	12.00	1.445	92.22	1.084	-0.19	0.278	0.436
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4	155	5775	10.40	12.00	1.445	92.22	1.084	-0.15	0.118	0.185
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4	155	5775	10.40	12.00	1.445	92.22	1.084	-0.06	0.132	0.207
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 5	155	5775	16.60	17.00	1.096	92.77	1.078	0.16	0.251	0.297
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 5	155	5775	16.60	17.00	1.096	92.77	1.078	0.09	0.227	0.268
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5	155	5775	16.60	17.00	1.096	92.77	1.078	0.04	0.082	0.097
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 5	155	5775	16.60	17.00	1.096	92.77	1.078	-0.03	0.064	0.076
Simultaneous Transmission is active															
Plot No.	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)
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4	155	5775	10.40	12.00	1.445	92.22	1.084	-0.01	0.261	0.409
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4	155	5775	10.40	12.00	1.445	92.22	1.084	-0.19	0.278	0.436
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4	155	5775	10.40	12.00	1.445	92.22	1.084	-0.15	0.118	0.185
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4	155	5775	10.40	12.00	1.445	92.22	1.084	-0.06	0.132	0.207
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 5	155	5775	16.60	17.00	1.096	92.77	1.078	0.16	0.251	0.297
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 5	155	5775	16.60	17.00	1.096	92.77	1.078	0.09	0.227	0.268
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5	155	5775	16.60	17.00	1.096	92.77	1.078	0.04	0.082	0.097
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 5	155	5775	16.60	17.00	1.096	92.77	1.078	-0.03	0.064	0.076
23	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+5(4)	155	5775	10.71	11	1.069	92.81	1.077	-0.14	0.398	0.458
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 4+5(5)	155	5775	19.31	19.5	1.045	92.81	1.077	-0.14	0.380	0.428
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+5(4)	155	5775	10.71	11	1.069	92.81	1.077	0.13	0.363	0.418
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 4+5(5)	155	5775	19.31	19.5	1.045	92.81	1.077	0.13	0.369	0.415
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+5(4)	155	5775	10.71	11	1.069	92.81	1.077	-0.05	0.344	0.396
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 4+5(5)	155	5775	19.31	19.5	1.045	92.81	1.077	-0.05	0.131	0.147
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+5(4)	155	5775	10.71	11	1.069	92.81	1.077	0.06	0.365	0.420
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 4+5(5)	155	5775	19.31	19.5	1.045	92.81	1.077	0.06	0.159	0.179

<Bluetooth SAR>

Simultaneous Transmission is active															
Plot No.	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)
24	Bluetooth	1Mbps	Right Cheek	0mm	Ant 2	39	2441	10.70	12.50	1.514	77.13	1.297	-0.13	0.071	0.139
	Bluetooth	1Mbps	Right Cheek	0mm	Ant 2	0	2402	10.60	12.50	1.549	77.13	1.297	-0.04	0.061	0.123
	Bluetooth	1Mbps	Right Cheek	0mm	Ant 2	78	2480	10.60	12.50	1.549	77.13	1.297	0.15	0.060	0.121
	Bluetooth	1Mbps	Right Tilted	0mm	Ant 2	39	2441	10.70	12.50	1.514	77.13	1.297	-0.19	0.016	0.031
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 2	39	2441	10.70	12.50	1.514	77.13	1.297	-0.07	0.063	0.124
	Bluetooth	1Mbps	Left Tilted	0mm	Ant 2	39	2441	10.70	12.50	1.514	77.13	1.297	-0.17	0.017	0.033



15.2 Hotspot SAR

<GSM SAR>

Simultaneous Transmission is active												
Plot No.	Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	GSM850_ANT 1	GPRS (4 Tx slots)	Front	10mm	128	824.2	28.44	29.00	1.138	0.03	0.286	0.325
	GSM850_ANT 1	GPRS (4 Tx slots)	Back	10mm	128	824.2	28.44	29.00	1.138	-0.08	0.446	0.507
	GSM850_ANT 1	GPRS (4 Tx slots)	Back	10mm	189	836.4	28.42	29.00	1.143	0.02	0.303	0.346
	GSM850_ANT 1	GPRS (4 Tx slots)	Back	10mm	251	848.8	28.27	29.00	1.183	0.01	0.257	0.304
	GSM850_ANT 1	GPRS (4 Tx slots)	Left Side	10mm	128	824.2	28.44	29.00	1.138	0.08	0.194	0.221
	GSM850_ANT 1	GPRS (4 Tx slots)	Top Side	10mm	128	824.2	28.44	29.00	1.138	0.02	0.167	0.190
	GSM850_ANT 0C	GPRS (4 Tx slots)	Front	10mm	128	824.2	26.89	27.50	1.151	0.03	0.785	0.903
	GSM850_ANT 0C	GPRS (4 Tx slots)	Back	10mm	128	824.2	26.89	27.50	1.151	0.02	0.821	0.945
25	GSM850_ANT 0C	GPRS (4 Tx slots)	Back	10mm	189	836.4	26.84	27.50	1.164	-0.02	0.841	0.979
	GSM850_ANT 0C	GPRS (4 Tx slots)	Back	10mm	251	848.8	26.85	27.50	1.161	-0.05	0.811	0.942
	GSM850_ANT 0C	GPRS (4 Tx slots)	Left Side	10mm	128	824.2	26.89	27.50	1.151	0.08	0.358	0.412
	GSM850_ANT 0C	GPRS (4 Tx slots)	Bottom Side	10mm	128	824.2	26.89	27.50	1.151	0.07	0.752	0.865

Simultaneous Transmission is active												
Plot No.	Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	GSM1900_ANT 1	GPRS (4 Tx slots)	Front	10mm	512	1850.2	25.45	25.50	1.012	0.03	0.623	0.630
	GSM1900_ANT 1	GPRS (4 Tx slots)	Back	10mm	512	1850.2	25.45	25.50	1.012	0.02	0.921	0.932
	GSM1900_ANT 1	GPRS (4 Tx slots)	Back	10mm	661	1880	25.32	25.50	1.042	-0.11	0.942	0.982
	GSM1900_ANT 1	GPRS (4 Tx slots)	Back	10mm	810	1909.8	25.44	25.50	1.014	0.01	0.832	0.844
	GSM1900_ANT 1	GPRS (4 Tx slots)	Left Side	10mm	512	1850.2	25.45	25.50	1.012	0.08	0.658	0.666
	GSM1900_ANT 1	GPRS (4 Tx slots)	Top Side	10mm	512	1850.2	25.45	25.50	1.012	0.09	0.932	0.943
26	GSM1900_ANT 1	GPRS (4 Tx slots)	Top Side	10mm	661	1880	25.32	25.50	1.042	-0.13	0.958	0.999
	GSM1900_ANT 1	GPRS (4 Tx slots)	Top Side	10mm	810	1909.8	25.44	25.50	1.014	0.02	0.844	0.856
	GSM1900_ANT 0B	GPRS (4 Tx slots)	Front	10mm	512	1850.2	24.48	24.50	1.005	0.03	0.575	0.578
	GSM1900_ANT 0B	GPRS (4 Tx slots)	Back	10mm	512	1850.2	24.48	24.50	1.005	0.12	0.921	0.925
	GSM1900_ANT 0B	GPRS (4 Tx slots)	Back	10mm	661	1880	24.32	24.50	1.042	0.04	0.942	0.982
	GSM1900_ANT 0B	GPRS (4 Tx slots)	Back	10mm	810	1909.8	24.42	24.50	1.019	-0.19	0.973	0.991
	GSM1900_ANT 0B	GPRS (4 Tx slots)	Right Side	10mm	512	1850.2	24.48	24.50	1.005	0.02	0.574	0.577
	GSM1900_ANT 0B	GPRS (4 Tx slots)	Bottom Side	10mm	512	1850.2	24.48	24.50	1.005	0.01	0.691	0.694
	GSM1900_ANT 0C	GPRS (4 Tx slots)	Front	10mm	512	1850.2	25.53	26.50	1.250	0.04	0.295	0.369
	GSM1900_ANT 0C	GPRS (4 Tx slots)	Back	10mm	512	1850.2	25.53	26.50	1.250	0.12	0.376	0.470
	GSM1900_ANT 0C	GPRS (4 Tx slots)	Left Side	10mm	512	1850.2	25.53	26.50	1.250	0.03	0.539	0.674
	GSM1900_ANT 0C	GPRS (4 Tx slots)	Left Side	10mm	661	1880	25.28	26.50	1.324	-0.05	0.500	0.662
	GSM1900_ANT 0C	GPRS (4 Tx slots)	Left Side	10mm	810	1909.8	25.51	26.50	1.256	-0.09	0.551	0.692
	GSM1900_ANT 0C	GPRS (4 Tx slots)	Bottom Side	10mm	512	1850.2	25.53	26.50	1.250	0.12	0.175	0.218



<WCDMA SAR>

Simultaneous Transmission is active												
Plot No.	Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WCDMA II_ANT 1	RMC12.2Kbps	Front	10mm	9400	1880	22.1	22.50	1.096	-0.02	0.711	0.780
	WCDMA II_ANT 1	RMC12.2Kbps	Back	10mm	9400	1880	22.1	22.50	1.096	0.07	0.890	0.976
	WCDMA II_ANT 1	RMC12.2Kbps	Back	10mm	9262	1852.4	22.07	22.50	1.104	0.18	0.856	0.945
	WCDMA II_ANT 1	RMC12.2Kbps	Back	10mm	9538	1907.6	21.93	22.50	1.140	0.19	0.746	0.851
	WCDMA II_ANT 1	RMC12.2Kbps	Left Side	10mm	9400	1880	22.1	22.50	1.096	-0.12	0.482	0.528
	WCDMA II_ANT 1	RMC12.2Kbps	Top Side	10mm	9400	1880	22.1	22.50	1.096	-0.15	0.900	0.986
27	WCDMA II_ANT 1	RMC12.2Kbps	Top Side	10mm	9262	1852.4	22.07	22.50	1.104	0.19	0.901	0.995
	WCDMA II_ANT 1	RMC12.2Kbps	Top Side	10mm	9538	1907.6	21.93	22.50	1.140	0.07	0.799	0.910
	WCDMA II_ANT 0B	RMC12.2Kbps	Front	10mm	9400	1880	20.58	21.50	1.236	-0.05	0.510	0.630
	WCDMA II_ANT 0B	RMC12.2Kbps	Back	10mm	9400	1880	20.58	21.50	1.236	0.12	0.547	0.676
	WCDMA II_ANT 0B	RMC12.2Kbps	Back	10mm	9262	1852.4	20.42	21.50	1.282	0.15	0.633	0.812
	WCDMA II_ANT 0B	RMC12.2Kbps	Back	10mm	9538	1907.6	20.43	21.50	1.279	-0.04	0.739	0.945
	WCDMA II_ANT 0B	RMC12.2Kbps	Right Side	10mm	9400	1880	20.58	21.50	1.236	0.15	0.484	0.599
	WCDMA II_ANT 0B	RMC12.2Kbps	Bottom Side	10mm	9400	1880	20.58	21.50	1.236	-0.08	0.444	0.549
	WCDMA II_ANT 0C	RMC12.2Kbps	Front	10mm	9400	1880	23.01	23.50	1.119	0.03	0.285	0.319
	WCDMA II_ANT 0C	RMC12.2Kbps	Back	10mm	9400	1880	23.01	23.50	1.119	0.02	0.431	0.482
	WCDMA II_ANT 0C	RMC12.2Kbps	Back	10mm	9262	1852.4	22.93	23.50	1.140	0.02	0.421	0.480
	WCDMA II_ANT 0C	RMC12.2Kbps	Back	10mm	9538	1907.6	22.95	23.50	1.135	0.04	0.458	0.520
	WCDMA II_ANT 0C	RMC12.2Kbps	Left Side	10mm	9400	1880	23.01	23.50	1.119	0.09	0.750	0.840
	WCDMA II_ANT 0C	RMC12.2Kbps	Left Side	10mm	9262	1852.4	22.93	23.50	1.140	0.02	0.770	0.878
	WCDMA II_ANT 0C	RMC12.2Kbps	Left Side	10mm	9538	1907.6	22.95	23.50	1.135	0.12	0.802	0.910
	WCDMA II_ANT 0C	RMC12.2Kbps	Bottom Side	10mm	9400	1880	23.01	23.50	1.119	0.07	0.220	0.246

Simultaneous Transmission is active												
Plot No.	Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WCDMA IV_ANT 1	RMC12.2Kbps	Front	10mm	1413	1732.6	23.54	24.00	1.112	0.05	0.582	0.648
	WCDMA IV_ANT 1	RMC12.2Kbps	Back	10mm	1413	1732.6	23.54	24.00	1.112	0.12	0.737	0.819
	WCDMA IV_ANT 1	RMC12.2Kbps	Back	10mm	1312	1712.4	23.42	24.00	1.143	0.04	0.747	0.854
	WCDMA IV_ANT 1	RMC12.2Kbps	Back	10mm	1513	1752.6	23.43	24.00	1.140	-0.09	0.739	0.843
	WCDMA IV_ANT 1	RMC12.2Kbps	Left Side	10mm	1413	1732.6	23.54	24.00	1.112	0.12	0.551	0.613
	WCDMA IV_ANT 1	RMC12.2Kbps	Top Side	10mm	1413	1732.6	23.54	24.00	1.112	0.07	0.771	0.857
28	WCDMA IV_ANT 1	RMC12.2Kbps	Top Side	10mm	1312	1712.4	23.42	24.00	1.143	-0.19	0.852	0.974
	WCDMA IV_ANT 1	RMC12.2Kbps	Top Side	10mm	1513	1752.6	23.43	24.00	1.140	0.09	0.798	0.910
	WCDMA IV_ANT 0B	RMC12.2Kbps	Front	10mm	1413	1732.6	24.45	25.00	1.135	-0.12	0.527	0.598
	WCDMA IV_ANT 0B	RMC12.2Kbps	Back	10mm	1413	1732.6	24.45	25.00	1.135	-0.01	0.552	0.627
	WCDMA IV_ANT 0B	RMC12.2Kbps	Right Side	10mm	1413	1732.6	24.45	25.00	1.135	0.05	0.325	0.369
	WCDMA IV_ANT 0B	RMC12.2Kbps	Bottom Side	10mm	1413	1732.6	24.45	25.00	1.135	0.1	0.799	0.907
	WCDMA IV_ANT 0B	RMC12.2Kbps	Bottom Side	10mm	1312	1712.4	23.95	25.00	1.274	0.06	0.745	0.949
	WCDMA IV_ANT 0B	RMC12.2Kbps	Bottom Side	10mm	1513	1752.6	24.35	25.00	1.161	-0.08	0.713	0.828
	WCDMA IV_ANT 0C	RMC12.2Kbps	Front	10mm	1413	1732.6	24.45	25.00	1.135	0.04	0.278	0.316
	WCDMA IV_ANT 0C	RMC12.2Kbps	Back	10mm	1413	1732.6	24.45	25.00	1.135	0.03	0.373	0.423
	WCDMA IV_ANT 0C	RMC12.2Kbps	Left Side	10mm	1413	1732.6	24.45	25.00	1.135	0	0.629	0.714
	WCDMA IV_ANT 0C	RMC12.2Kbps	Left Side	10mm	1312	1712.4	23.95	25.00	1.274	0.01	0.524	0.667
	WCDMA IV_ANT 0C	RMC12.2Kbps	Left Side	10mm	1513	1752.6	24.35	25.00	1.161	0.02	0.589	0.684
	WCDMA IV_ANT 0C	RMC12.2Kbps	Bottom Side	10mm	1413	1732.6	24.45	25.00	1.135	0.03	0.255	0.289



Simultaneous Transmission is active												
Plot No.	Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WCDMA V_ANT 1	RMC12.2Kbps	Front	10mm	4182	836.4	24.25	25.00	1.189	0.09	0.318	0.378
	WCDMA V_ANT 1	RMC12.2Kbps	Back	10mm	4182	836.4	24.25	25.00	1.189	0.03	0.576	0.685
	WCDMA V_ANT 1	RMC12.2Kbps	Back	10mm	4233	846.6	24.15	25.00	1.216	0.02	0.552	0.671
	WCDMA V_ANT 1	RMC12.2Kbps	Back	10mm	4132	4357	24.17	25.00	1.211	0.01	0.548	0.663
	WCDMA V_ANT 1	RMC12.2Kbps	Left Side	10mm	4182	836.4	24.25	25.00	1.189	0.08	0.237	0.282
	WCDMA V_ANT 1	RMC12.2Kbps	Top Side	10mm	4182	836.4	24.25	25.00	1.189	0.08	0.197	0.234
	WCDMA V_ANT 0C	RMC12.2Kbps	Front	10mm	4182	836.4	21.8	22.50	1.175	0.02	0.742	0.872
	WCDMA V_ANT 0C	RMC12.2Kbps	Back	10mm	4182	836.4	21.8	22.50	1.175	0.03	0.792	0.931
29	WCDMA V_ANT 0C	RMC 12.2Kbps	Back	10mm	4233	846.6	21.75	22.50	1.189	-0.01	0.839	0.997
	WCDMA V_ANT 0C	RMC12.2Kbps	Back	10mm	4132	4357	21.77	22.50	1.183	0.18	0.811	0.959
	WCDMA V_ANT 0C	RMC12.2Kbps	Left Side	10mm	4182	836.4	21.8	22.50	1.175	0.12	0.418	0.491
	WCDMA V_ANT 0C	RMC12.2Kbps	Bottom Side	10mm	4182	836.4	21.8	22.50	1.175	-0.08	0.733	0.861

<CDMA SAR>

Simultaneous Transmission is active												
Plot No.	Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	CDMA BC0_ANT 1	RTAP 153.6Kbps	Front	10mm	384	836.52	24.39	25.00	1.151	0.06	0.311	0.358
	CDMA BC0_ANT 1	RTAP 153.6Kbps	Back	10mm	384	836.52	24.39	25.00	1.151	-0.02	0.386	0.444
	CDMA BC0_ANT 1	RTAP 153.6Kbps	Back	10mm	1013	824.7	24.35	25.00	1.161	0.02	0.372	0.432
	CDMA BC0_ANT 1	RTAP 153.6Kbps	Back	10mm	777	848.31	24.29	25.00	1.178	0.09	0.321	0.378
	CDMA BC0_ANT 1	RTAP 153.6Kbps	Left Side	10mm	384	836.52	24.39	25.00	1.151	0.02	0.207	0.238
	CDMA BC0_ANT 1	RTAP 153.6Kbps	Top Side	10mm	384	836.52	24.39	25.00	1.151	0.01	0.177	0.204
	CDMA BC0_ANT 0C	RTAP 153.6Kbps	Front	10mm	384	836.52	23.38	23.50	1.028	0.03	0.352	0.362
	CDMA BC0_ANT 0C	RTAP 153.6Kbps	Back	10mm	384	836.52	23.38	23.50	1.028	0.04	0.885	0.910
	CDMA BC0_ANT 0C	RTAP 153.6Kbps	Back	10mm	1013	824.7	23.37	23.50	1.030	0.02	0.932	0.960
30	CDMA BC0_ANT 0C	RTAP 153.6Kbps	Back	10mm	777	848.31	23.31	23.50	1.045	-0.15	0.953	0.996
	CDMA BC0_ANT 0C	RTAP 153.6Kbps	Left Side	10mm	384	836.52	23.38	23.50	1.028	0.01	0.422	0.434
	CDMA BC0_ANT 0C	RTAP 153.6Kbps	Bottom Side	10mm	384	836.52	23.38	23.50	1.028	0.17	0.622	0.639



Simultaneous Transmission is active												
Plot No.	Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	CDMA BC1_ANT 1	RTAP 153.6Kbps	Front	10mm	600	1880	21.72	22.00	1.067	0.15	0.691	0.737
	CDMA BC1_ANT 1	RTAP 153.6Kbps	Back	10mm	600	1880	21.72	22.00	1.067	-0.12	0.767	0.818
	CDMA BC1_ANT 1	RTAP 153.6Kbps	Left Side	10mm	600	1880	21.72	22.00	1.067	0.09	0.112	0.119
	CDMA BC1_ANT 1	RTAP 153.6Kbps	Top Side	10mm	600	1880	21.72	22.00	1.067	0.01	0.821	0.876
	CDMA BC1_ANT 1	RTAP 153.6Kbps	Top Side	10mm	25	1851.25	21.69	22.00	1.074	-0.08	0.765	0.822
31	CDMA BC1_ANT 1	RTAP 153.6Kbps	Top Side	10mm	1175	1908.75	21.63	22.00	1.089	0.19	0.914	0.995
	CDMA BC1_ANT 0B	RTAP 153.6Kbps	Front	10mm	25	1851.25	21.59	22.00	1.099	0.02	0.575	0.632
	CDMA BC1_ANT 0B	RTAP 153.6Kbps	Back	10mm	25	1851.25	21.59	22.00	1.099	0.03	0.752	0.826
	CDMA BC1_ANT 0B	RTAP 153.6Kbps	Back	10mm	1175	1908.75	21.27	22.00	1.183	0.03	0.795	0.941
	CDMA BC1_ANT 0B	RTAP 153.6Kbps	Back	10mm	600	1880	21.44	22.00	1.138	0.03	0.788	0.896
	CDMA BC1_ANT 0B	RTAP 153.6Kbps	Right Side	10mm	25	1851.25	21.59	22.00	1.099	0.08	0.574	0.631
	CDMA BC1_ANT 0B	RTAP 153.6Kbps	Bottom Side	10mm	25	1851.25	21.59	22.00	1.099	0.08	0.691	0.759
	CDMA BC1_ANT 0C	RTAP 153.6Kbps	Front	10mm	25	1851.25	24.99	25.00	1.002	0.02	0.522	0.523
	CDMA BC1_ANT 0C	RTAP 153.6Kbps	Back	10mm	25	1851.25	24.99	25.00	1.002	0.03	0.622	0.623
	CDMA BC1_ANT 0C	RTAP 153.6Kbps	Left Side	10mm	25	1851.25	24.99	25.00	1.002	0.08	0.825	0.827
	CDMA BC1_ANT 0C	RTAP 153.6Kbps	Left Side	10mm	600	1880	24.97	25.00	1.007	0.02	0.882	0.888
	CDMA BC1_ANT 0C	RTAP 153.6Kbps	Left Side	10mm	1175	1908.75	24.82	25.00	1.042	0	0.911	0.950
	CDMA BC1_ANT 0C	RTAP 153.6Kbps	Bottom Side	10mm	25	1851.25	24.99	25.00	1.002	0.05	0.475	0.476

Simultaneous Transmission is active												
Plot No.	Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	CDMA BC10_ANT 1	RTAP 153.6Kbps	Front	10mm	476	817.9	24.69	25.00	1.074	0.02	0.184	0.198
	CDMA BC10_ANT 1	RTAP 153.6Kbps	Back	10mm	476	817.9	24.69	25.00	1.074	-0.02	0.198	0.213
	CDMA BC10_ANT 1	RTAP 153.6Kbps	Back	10mm	580	820.5	24.64	25.00	1.086	0.03	0.188	0.204
	CDMA BC10_ANT 1	RTAP 153.6Kbps	Back	10mm	684	823.1	24.60	25.00	1.096	0.02	0.183	0.201
	CDMA BC10_ANT 1	RTAP 153.6Kbps	Left Side	10mm	476	817.9	24.69	25.00	1.074	0.03	0.152	0.163
	CDMA BC10_ANT 1	RTAP 153.6Kbps	Top Side	10mm	476	817.9	24.69	25.00	1.074	0.02	0.121	0.130
	CDMA BC10_ANT 0C	RTAP 153.6Kbps	Front	10mm	476	817.9	24.69	25.00	1.074	0.03	0.798	0.857
	CDMA BC10_ANT 0C	RTAP 153.6Kbps	Back	10mm	476	817.9	24.69	25.00	1.074	-0.01	0.806	0.866
	CDMA BC10_ANT 0C	RTAP 153.6Kbps	Back	10mm	580	820.5	24.64	25.00	1.086	-0.05	0.875	0.951
32	CDMA BC10_ANT 0C	RTAP 153.6Kbps	Back	10mm	684	823.1	24.60	25.00	1.096	-0.05	0.878	0.963
	CDMA BC10_ANT 0C	RTAP 153.6Kbps	Left Side	10mm	476	817.9	24.69	25.00	1.074	0.02	0.347	0.373
	CDMA BC10_ANT 0C	RTAP 153.6Kbps	Bottom Side	10mm	476	817.9	24.69	25.00	1.074	0.01	0.763	0.819



<FDD LTE SAR>

Simtaneous Transmission is active															
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 7_ANT 1	20M	QPSK	1	0	Front	10mm	20850	2510	21.41	21.50	1.021	-0.15	0.394	0.402
	LTE Band 7_ANT 1	20M	QPSK	50	0	Front	10mm	20850	2510	21.28	21.50	1.052	0.12	0.374	0.394
	LTE Band 7_ANT 1	20M	QPSK	1	0	Back	10mm	20850	2510	21.41	21.50	1.021	0.09	0.403	0.412
	LTE Band 7_ANT 1	20M	QPSK	50	0	Back	10mm	20850	2510	21.28	21.50	1.052	0.07	0.383	0.403
	LTE Band 7_ANT 1	20M	QPSK	1	0	Left Side	10mm	20850	2510	21.41	21.50	1.021	-0.16	0.378	0.386
	LTE Band 7_ANT 1	20M	QPSK	50	0	Left Side	10mm	20850	2510	21.28	21.50	1.052	0.1	0.360	0.378
	LTE Band 7_ANT 1	20M	QPSK	1	0	Top Side	10mm	20850	2510	21.41	21.50	1.021	-0.05	0.670	0.685
	LTE Band 7_ANT 1	20M	QPSK	1	0	Top Side	10mm	21100	2535	21.14	21.50	1.086	-0.14	0.825	0.896
	LTE Band 7_ANT 1	20M	QPSK	1	0	Top Side	10mm	21350	2560	21.19	21.50	1.074	0.01	0.732	0.787
	LTE Band 7_ANT 1	20M	QPSK	50	0	Top Side	10mm	20850	2510	21.28	21.50	1.052	0.12	0.743	0.781
	LTE Band 7_ANT 1	20M	QPSK	100	0	Top Side	10mm	20850	2510	21.23	21.50	1.064	0.15	0.705	0.751
	LTE Band 7_ANT 0B	20M	QPSK	1	0	Front	10mm	20850	2510	21.17	21.50	1.079	0.03	0.410	0.442
	LTE Band 7_ANT 0B	20M	QPSK	50	0	Front	10mm	20850	2510	21.14	21.50	1.086	0.02	0.405	0.440
	LTE Band 7_ANT 0B	20M	QPSK	1	0	Back	10mm	20850	2510	21.17	21.50	1.079	0.01	0.529	0.571
	LTE Band 7_ANT 0B	20M	QPSK	50	0	Back	10mm	20850	2510	21.14	21.50	1.086	0.08	0.512	0.556
	LTE Band 7_ANT 0B	20M	QPSK	1	0	Right Side	10mm	20850	2510	21.17	21.50	1.079	0.03	0.721	0.778
33	LTE Band 7_ANT 0B	20M	QPSK	1	0	Right Side	10mm	21100	2535	20.85	21.50	1.161	-0.08	0.784	0.911
	LTE Band 7_ANT 0B	20M	QPSK	1	0	Right Side	10mm	21350	2560	20.95	21.50	1.135	0.02	0.752	0.854
	LTE Band 7_ANT 0B	20M	QPSK	50	0	Right Side	10mm	20850	2510	21.14	21.50	1.086	0.03	0.753	0.818
	LTE Band 7_ANT 0B	20M	QPSK	50	0	Right Side	10mm	21100	2535	20.99	21.50	1.125	0.01	0.782	0.879
	LTE Band 7_ANT 0B	20M	QPSK	50	0	Right Side	10mm	21350	2560	21.02	21.50	1.117	0.18	0.744	0.831
	LTE Band 7_ANT 0B	20M	QPSK	100	0	Right Side	10mm	21100	2535	21	21.50	1.122	-0.03	0.806	0.904
	LTE Band 7_ANT 0B	20M	QPSK	1	0	Bottom Side	10mm	20850	2510	21.17	21.50	1.079	0.11	0.274	0.296
	LTE Band 7_ANT 0B	20M	QPSK	50	0	Bottom Side	10mm	20850	2510	21.14	21.50	1.086	0.13	0.275	0.299

Simtaneous Transmission is active															
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 12_ANT 1	10M	QPSK	1	49	Front	10mm	23095	707.5	24.52	25.00	1.117	-0.03	0.234	0.261
	LTE Band 12_ANT 1	10M	QPSK	25	0	Front	10mm	23095	707.5	23.62	24.00	1.091	0.08	0.121	0.132
	LTE Band 12_ANT 1	10M	QPSK	1	49	Back	10mm	23095	707.5	24.52	25.00	1.117	0.02	0.186	0.208
	LTE Band 12_ANT 1	10M	QPSK	25	0	Back	10mm	23095	707.5	23.62	24.00	1.091	0.01	0.108	0.118
	LTE Band 12_ANT 1	10M	QPSK	1	49	Left Side	10mm	23095	707.5	24.52	25.00	1.117	0.14	0.341	0.381
	LTE Band 12_ANT 1	10M	QPSK	25	0	Left Side	10mm	23095	707.5	23.62	24.00	1.091	0.02	0.268	0.293
	LTE Band 12_ANT 1	10M	QPSK	1	49	Top Side	10mm	23095	707.5	24.52	25.00	1.117	0.09	0.169	0.189
	LTE Band 12_ANT 1	10M	QPSK	25	0	Top Side	10mm	23095	707.5	23.62	24.00	1.091	0.02	0.098	0.107
	LTE Band 12_ANT 0C	10M	QPSK	1	49	Front	10mm	23095	707.5	24.52	25.00	1.117	0.01	0.300	0.335
	LTE Band 12_ANT 0C	10M	QPSK	25	0	Front	10mm	23095	707.5	23.62	24.00	1.091	0.07	0.243	0.265
	LTE Band 12_ANT 0C	10M	QPSK	1	49	Back	10mm	23095	707.5	24.52	25.00	1.117	-0.03	0.344	0.384
	LTE Band 12_ANT 0C	10M	QPSK	25	0	Back	10mm	23095	750	23.62	24.00	1.091	-0.01	0.275	0.300
34	LTE Band 12_ANT 0C	10M	QPSK	1	49	Left Side	10mm	23095	707.5	24.52	25.00	1.117	0.05	0.359	0.401
	LTE Band 12_ANT 0C	10M	QPSK	25	0	Left Side	10mm	23095	707.5	23.62	24.00	1.091	0.05	0.284	0.310
	LTE Band 12_ANT 0C	10M	QPSK	1	49	Bottom Side	10mm	23095	707.5	24.52	25.00	1.117	-0.12	0.279	0.312
	LTE Band 12_ANT 0C	10M	QPSK	25	0	Bottom Side	10mm	23095	707.5	23.62	24.00	1.091	-0.08	0.309	0.337



Simtaneous Transmission is active															
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 13_ANT 1	10M	QPSK	1	25	Front	10mm	23230	782	24.39	25.00	1.151	0.04	0.317	0.365
	LTE Band 13_ANT 1	10M	QPSK	25	0	Front	10mm	23230	782	23.55	24.00	1.109	0.02	0.201	0.223
	LTE Band 13_ANT 1	10M	QPSK	1	25	Back	10mm	23230	782	24.39	25.00	1.151	0.01	0.217	0.250
	LTE Band 13_ANT 1	10M	QPSK	25	0	Back	10mm	23230	782	23.55	24.00	1.109	0.08	0.161	0.179
	LTE Band 13_ANT 1	10M	QPSK	1	25	Left Side	10mm	23230	782	24.39	25.00	1.151	0.06	0.602	0.693
	LTE Band 13_ANT 1	10M	QPSK	25	0	Left Side	10mm	23230	782	23.55	24.00	1.109	0.09	0.504	0.559
	LTE Band 13_ANT 1	10M	QPSK	1	25	Top Side	10mm	23230	782	24.39	25.00	1.151	0.02	0.187	0.215
	LTE Band 13_ANT 1	10M	QPSK	25	0	Top Side	10mm	23230	782	23.55	24.00	1.109	0.01	0.154	0.171
	LTE Band 13_ANT 0C	10M	QPSK	1	25	Front	10mm	23230	782	24.39	25.00	1.151	0.08	0.490	0.564
	LTE Band 13_ANT 0C	10M	QPSK	25	0	Front	10mm	23230	782	23.55	24.00	1.109	0.05	0.403	0.447
35	LTE Band 13_ANT 0C	10M	QPSK	1	25	Back	10mm	23230	782	24.39	25.00	1.151	-0.01	0.821	0.945
	LTE Band 13_ANT 0C	10M	QPSK	25	0	Back	10mm	23230	782	23.55	24.00	1.109	0	0.673	0.746
	LTE Band 13_ANT 0C	10M	QPSK	50	0	Back	10mm	23230	782	23.52	24.00	1.117	0	0.665	0.743
	LTE Band 13_ANT 0C	10M	QPSK	1	25	Left Side	10mm	23230	782	24.39	25.00	1.151	0	0.783	0.901
	LTE Band 13_ANT 0C	10M	QPSK	25	0	Left Side	10mm	23230	782	23.55	24.00	1.109	0.03	0.644	0.714
	LTE Band 13_ANT 0C	10M	QPSK	50	0	Left Side	10mm	23230	782	23.52	24.00	1.117	0.03	0.636	0.710
	LTE Band 13_ANT 0C	10M	QPSK	1	25	Bottom Side	10mm	23230	782	24.39	25.00	1.151	-0.14	0.759	0.873
	LTE Band 13_ANT 0C	10M	QPSK	25	0	Bottom Side	10mm	23230	782	23.55	24.00	1.109	-0.09	0.627	0.695
	LTE Band 13_ANT 0C	10M	QPSK	50	0	Bottom Side	10mm	23230	782	23.52	24.00	1.117	-0.09	0.621	0.694

Simtaneous Transmission is active															
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 14_ANT 1	10M	QPSK	1	0	Front	10mm	23330	793	24.7	25.00	1.072	0.15	0.354	0.379
	LTE Band 14_ANT 1	10M	QPSK	25	0	Front	10mm	23330	793	23.57	24.00	1.104	0.14	0.278	0.307
	LTE Band 14_ANT 1	10M	QPSK	1	0	Back	10mm	23330	793	24.7	25.00	1.072	0.1	0.199	0.213
	LTE Band 14_ANT 1	10M	QPSK	25	0	Back	10mm	23330	793	23.57	24.00	1.104	0.07	0.150	0.166
	LTE Band 14_ANT 1	10M	QPSK	1	0	Left Side	10mm	23330	793	24.7	25.00	1.072	0.05	0.374	0.401
	LTE Band 14_ANT 1	10M	QPSK	25	0	Left Side	10mm	23330	793	23.57	24.00	1.104	0.17	0.285	0.315
	LTE Band 14_ANT 1	10M	QPSK	1	0	Top Side	10mm	23330	793	24.7	25.00	1.072	-0.18	0.142	0.152
	LTE Band 14_ANT 1	10M	QPSK	25	0	Top Side	10mm	23330	793	23.57	24.00	1.104	-0.14	0.109	0.120
	LTE Band 14_ANT 0C	10M	QPSK	1	0	Front	10mm	23330	793	24.7	25.00	1.072	0.15	0.513	0.550
	LTE Band 14_ANT 0C	10M	QPSK	25	0	Front	10mm	23330	793	23.57	24.00	1.104	0.08	0.395	0.436
36	LTE Band 14_ANT 0C	10M	QPSK	1	0	Back	10mm	23330	793	24.7	25.00	1.072	0	0.913	0.978
	LTE Band 14_ANT 0C	10M	QPSK	25	0	Back	10mm	23330	793	23.57	24.00	1.104	-0.01	0.699	0.772
	LTE Band 14_ANT 0C	10M	QPSK	50	0	Back	10mm	23330	793	23.52	24.00	1.117	-0.01	0.685	0.765
	LTE Band 14_ANT 0C	10M	QPSK	1	0	Left Side	10mm	23330	793	24.7	25.00	1.072	0.03	0.846	0.907
	LTE Band 14_ANT 0C	10M	QPSK	25	0	Left Side	10mm	23330	793	23.57	24.00	1.104	0.07	0.651	0.719
	LTE Band 14_ANT 0C	10M	QPSK	50	0	Left Side	10mm	23330	793	23.52	24.00	1.117	0.07	0.642	0.717
	LTE Band 14_ANT 0C	10M	QPSK	1	0	Bottom Side	10mm	23330	793	24.7	25.00	1.072	-0.11	0.861	0.923
	LTE Band 14_ANT 0C	10M	QPSK	25	0	Bottom Side	10mm	23330	793	23.57	24.00	1.104	-0.18	0.665	0.734
	LTE Band 14_ANT 0C	10M	QPSK	50	0	Bottom Side	10mm	23330	793	23.52	24.00	1.117	-0.18	0.652	0.728



Simtaneous Transmission is active															
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 25_ANT 1	20M	QPSK	1	0	Front	10mm	26340	1880	23.00	23.00	1.000	-0.12	0.482	0.482
	LTE Band 25_ANT 1	20M	QPSK	50	50	Front	10mm	26340	1880	22.99	23.00	1.002	0.05	0.458	0.459
	LTE Band 25_ANT 1	20M	QPSK	1	0	Back	10mm	26340	1880	23.00	23.00	1.000	0.18	0.485	0.485
	LTE Band 25_ANT 1	20M	QPSK	50	50	Back	10mm	26340	1880	22.99	23.00	1.002	0.03	0.461	0.462
	LTE Band 25_ANT 1	20M	QPSK	1	0	Left Side	10mm	26340	1880	23.00	23.00	1.000	0.07	0.399	0.399
	LTE Band 25_ANT 1	20M	QPSK	50	50	Left Side	10mm	26340	1880	22.99	23.00	1.002	-0.08	0.379	0.380
	LTE Band 25_ANT 1	20M	QPSK	1	0	Top Side	10mm	26340	1880	23.00	23.00	1.000	-0.15	0.817	0.817
	LTE Band 25_ANT 1	20M	QPSK	1	0	Top Side	10mm	26140	1860	22.97	23.00	1.007	0.09	0.821	0.827
	LTE Band 25_ANT 1	20M	QPSK	1	0	Top Side	10mm	26590	1905	22.94	23.00	1.014	0.13	0.830	0.842
	LTE Band 25_ANT 1	20M	QPSK	50	50	Top Side	10mm	26340	1880	22.99	23.00	1.002	0.1	0.776	0.778
	LTE Band 25_ANT 1	20M	QPSK	100	0	Top Side	10mm	26340	1880	22.99	23.00	1.002	0.12	0.737	0.739
	LTE Band 25_ANT 0B	20M	QPSK	1	0	Front	10mm	26140	1860	22.52	23.00	1.117	0.02	0.635	0.709
	LTE Band 25_ANT 0B	20M	QPSK	50	24	Front	10mm	26140	1860	22.44	23.00	1.138	0.09	0.615	0.700
	LTE Band 25_ANT 0B	20M	QPSK	1	0	Back	10mm	26140	1860	22.52	23.00	1.117	0.03	0.782	0.873
	LTE Band 25_ANT 0B	20M	QPSK	1	0	Back	10mm	26340	1880	22.39	23.00	1.151	0.03	0.825	0.949
37	LTE Band 25_ANT 0B	20M	QPSK	1	0	Back	10mm	26590	1905	22.49	23.00	1.125	0.03	0.888	0.999
	LTE Band 25_ANT 0B	20M	QPSK	50	24	Back	10mm	26140	1860	22.44	23.00	1.138	0.03	0.752	0.855
	LTE Band 25_ANT 0B	20M	QPSK	50	24	Back	10mm	26340	1880	22.38	23.00	1.153	0.03	0.813	0.938
	LTE Band 25_ANT 0B	20M	QPSK	50	24	Back	10mm	26590	1905	22.42	23.00	1.143	0.03	0.865	0.989
	LTE Band 25_ANT 0B	20M	QPSK	100	0	Back	10mm	26140	1860	22.42	23.00	1.143	0.03	0.782	0.894
	LTE Band 25_ANT 0B	20M	QPSK	1	0	Right Side	10mm	26140	1860	22.52	23.00	1.117	0.08	0.522	0.583
	LTE Band 25_ANT 0B	20M	QPSK	50	24	Right Side	10mm	26140	1860	22.44	23.00	1.138	0.15	0.512	0.582
	LTE Band 25_ANT 0B	20M	QPSK	1	0	Bottom Side	10mm	26140	1860	22.52	23.00	1.117	0.03	0.678	0.757
	LTE Band 25_ANT 0B	20M	QPSK	50	24	Bottom Side	10mm	26140	1860	22.44	23.00	1.138	0.02	0.652	0.742
	LTE Band 25_ANT 0C	20M	QPSK	1	0	Front	10mm	26140	1860	24.96	25.00	1.009	-0.12	0.544	0.549
	LTE Band 25_ANT 0C	20M	QPSK	50	24	Front	10mm	26140	1860	24.00	24.00	1.000	0.05	0.435	0.435
	LTE Band 25_ANT 0C	20M	QPSK	1	0	Back	10mm	26140	1860	24.96	25.00	1.009	0.07	0.606	0.612
	LTE Band 25_ANT 0C	20M	QPSK	50	24	Back	10mm	26140	1860	24.00	24.00	1.000	-0.12	0.485	0.485
	LTE Band 25_ANT 0C	20M	QPSK	1	0	Left Side	10mm	26140	1860	24.96	25.00	1.009	-0.1	0.897	0.905
	LTE Band 25_ANT 0C	20M	QPSK	1	0	Left Side	10mm	26340	1880	24.93	25.00	1.016	-0.05	0.803	0.816
	LTE Band 25_ANT 0C	20M	QPSK	1	0	Left Side	10mm	26590	1905	24.87	25.00	1.030	0.01	0.818	0.842
	LTE Band 25_ANT 0C	20M	QPSK	50	24	Left Side	10mm	26140	1860	24.00	24.00	1.000	0.03	0.718	0.718
	LTE Band 25_ANT 0C	20M	QPSK	100	0	Left Side	10mm	26140	1860	24.00	24.00	1.000	0.07	0.682	0.682
	LTE Band 25_ANT 0C	20M	QPSK	1	0	Bottom Side	10mm	26140	1860	24.96	25.00	1.009	0.09	0.419	0.423
	LTE Band 25_ANT 0C	20M	QPSK	50	24	Bottom Side	10mm	26140	1860	24.00	24.00	1.000	0.12	0.335	0.335



Simtaneous Transmission is active															
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 26_ANT 1	15M	QPSK	1	0	Front	10mm	26865	831.5	24.46	25.00	1.132	-0.05	0.461	0.522
	LTE Band 26_ANT 1	15M	QPSK	36	0	Front	10mm	26865	831.5	23.55	24.00	1.109	0.08	0.385	0.427
	LTE Band 26_ANT 1	15M	QPSK	1	0	Back	10mm	26865	831.5	24.46	25.00	1.132	-0.01	0.458	0.519
	LTE Band 26_ANT 1	15M	QPSK	36	0	Back	10mm	26865	831.5	23.55	24.00	1.109	0.02	0.362	0.402
	LTE Band 26_ANT 1	15M	QPSK	1	0	Left Side	10mm	26865	831.5	24.46	25.00	1.132	0.03	0.366	0.414
	LTE Band 26_ANT 1	15M	QPSK	36	0	Left Side	10mm	26865	831.5	23.55	24.00	1.109	0.04	0.285	0.316
	LTE Band 26_ANT 1	15M	QPSK	1	0	Top Side	10mm	26865	831.5	24.46	25.00	1.132	0.14	0.294	0.333
	LTE Band 26_ANT 1	15M	QPSK	36	0	Top Side	10mm	26865	831.5	23.55	24.00	1.109	0.08	0.201	0.223
	LTE Band 5B_ANT 1	10M	QPSK	1	0	Front	10mm	20525	836.5	23.22	25.00	1.507	-0.05	0.271	0.408
	LTE Band 26_ANT 0C	15M	QPSK	1	0	Front	10mm	26865	831.5	23.11	23.50	1.094	0.03	0.765	0.837
	LTE Band 26_ANT 0C	15M	QPSK	36	0	Front	10mm	26865	831.5	22.15	22.50	1.084	0.08	0.621	0.673
	LTE Band 26_ANT 0C	15M	QPSK	75	0	Front	10mm	26865	831.5	22.13	22.50	1.089	0.08	0.723	0.787
38	LTE Band 26_ANT 0C	15M	QPSK	1	0	Back	10mm	26865	831.5	23.11	23.50	1.094	-0.02	0.855	0.935
	LTE Band 26_ANT 0C	15M	QPSK	36	0	Back	10mm	26865	831.5	22.15	22.50	1.084	0.015	0.641	0.695
	LTE Band 26_ANT 0C	15M	QPSK	75	0	Back	10mm	26865	831.5	22.13	22.50	1.089	0.015	0.625	0.681
	LTE Band 26_ANT 0C	15M	QPSK	1	0	Left Side	10mm	26865	831.5	23.11	23.50	1.094	0.03	0.328	0.359
	LTE Band 26_ANT 0C	15M	QPSK	36	0	Left Side	10mm	26865	831.5	22.15	22.50	1.084	0.11	0.285	0.309
	LTE Band 26_ANT 0C	15M	QPSK	1	0	Bottom Side	10mm	26865	831.5	23.11	23.50	1.094	0.085	0.741	0.811
	LTE Band 26_ANT 0C	15M	QPSK	36	0	Bottom Side	10mm	26865	831.5	22.15	22.50	1.084	0.02	0.631	0.684
	LTE Band 26_ANT 0C	15M	QPSK	75	0	Bottom Side	10mm	26865	831.5	22.13	22.50	1.089	0.02	0.628	0.684
	LTE Band 5B_ANT 0C	10M	QPSK	1	0	Back	10mm	20525	836.5	21.99	23.50	1.416	0	0.638	0.903

Simtaneous Transmission is active															
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 30_ANT 1	10M	QPSK	1	0	Front	10mm	27710	2310	22.39	23.00	1.151	-0.18	0.619	0.713
	LTE Band 30_ANT 1	10M	QPSK	25	0	Front	10mm	27710	2310	22.38	23.00	1.153	0.05	0.588	0.679
	LTE Band 30_ANT 1	10M	QPSK	1	0	Back	10mm	27710	2310	22.39	23.00	1.151	0.12	0.644	0.741
	LTE Band 30_ANT 1	10M	QPSK	25	0	Back	10mm	27710	2310	22.38	23.00	1.153	0.09	0.612	0.706
	LTE Band 30_ANT 1	10M	QPSK	1	0	Left Side	10mm	27710	2310	22.39	23.00	1.151	0.1	0.557	0.641
	LTE Band 30_ANT 1	10M	QPSK	25	0	Left Side	10mm	27710	2310	22.38	23.00	1.153	0.05	0.529	0.611
39	LTE Band 30_ANT 1	10M	QPSK	1	0	Top Side	10mm	27710	2310	22.39	23.00	1.151	-0.1	0.785	0.903
	LTE Band 30_ANT 1	10M	QPSK	25	0	Top Side	10mm	27710	2310	22.38	23.00	1.153	0.07	0.746	0.860
	LTE Band 30_ANT 1	10M	QPSK	50	0	Top Side	10mm	27710	2310	22.29	23.00	1.178	-0.15	0.708	0.834
	LTE Band 30_ANT 0B	10M	QPSK	1	0	Front	10mm	27710	2310	21.89	22.50	1.151	-0.15	0.411	0.473
	LTE Band 30_ANT 0B	10M	QPSK	25	0	Front	10mm	27710	2310	20.87	21.50	1.156	0.12	0.358	0.414
	LTE Band 30_ANT 0B	10M	QPSK	1	0	Back	10mm	27710	2310	21.89	22.50	1.151	-0.09	0.612	0.704
	LTE Band 30_ANT 0B	10M	QPSK	25	0	Back	10mm	27710	2310	20.87	21.50	1.156	-0.08	0.580	0.671
	LTE Band 30_ANT 0B	10M	QPSK	1	0	Right Side	10mm	27710	2310	21.89	22.50	1.151	0.09	0.758	0.872
	LTE Band 30_ANT 0B	10M	QPSK	25	0	Right Side	10mm	27710	2310	20.87	21.50	1.156	0.12	0.685	0.792
	LTE Band 30_ANT 0B	10M	QPSK	50	0	Right Side	10mm	27710	2310	20.82	21.50	1.169	-0.05	0.684	0.800
	LTE Band 30_ANT 0B	10M	QPSK	1	0	Bottom Side	10mm	27710	2310	21.89	22.50	1.151	0.03	0.167	0.193
	LTE Band 30_ANT 0B	10M	QPSK	25	0	Bottom Side	10mm	27710	2310	20.87	21.50	1.156	0.01	0.159	0.184
	LTE Band 30_ANT 0C	10M	QPSK	1	0	Front	10mm	27710	2310	23.81	24.50	1.172	-0.02	0.468	0.548
	LTE Band 30_ANT 0C	10M	QPSK	25	0	Front	10mm	27710	2310	22.88	23.50	1.153	0.15	0.374	0.432
	LTE Band 30_ANT 0C	10M	QPSK	1	0	Back	10mm	27710	2310	23.81	24.50	1.172	0.01	0.639	0.749
	LTE Band 30_ANT 0C	10M	QPSK	25	0	Back	10mm	27710	2310	22.88	23.50	1.153	-0.08	0.511	0.590
	LTE Band 30_ANT 0C	10M	QPSK	1	0	Left Side	10mm	27710	2310	23.81	24.50	1.172	-0.13	0.632	0.741
	LTE Band 30_ANT 0C	10M	QPSK	25	0	Left Side	10mm	27710	2310	22.88	23.50	1.153	0.11	0.506	0.583
	LTE Band 30_ANT 0C	10M	QPSK	1	0	Bottom Side	10mm	27710	2310	23.81	24.50	1.172	0.1	0.185	0.217
	LTE Band 30_ANT 0C	10M	QPSK	25	0	Bottom Side	10mm	27710	2310	22.88	23.50	1.153	-0.09	0.148	0.171



Simtaneous Transmission is active																
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	
	LTE Band 66_ANT 1	20M	QPSK	1	0	Front	10mm	132572	1770	23.95	24.00	1.012	0.01	0.719	0.727	
	LTE Band 66_ANT 1	20M	QPSK	50	0	Front	10mm	132572	1770	23.94	24.00	1.014	-0.12	0.683	0.693	
40	LTE Band 66_ANT 1	20M	QPSK	1	0	Back	10mm	132572	1770	23.95	24.00	1.012	0.14	0.906	0.916	
	LTE Band 66_ANT 1	20M	QPSK	1	0	Back	10mm	132072	1720	23.78	24.00	1.052	0.09	0.852	0.896	
	LTE Band 66_ANT 1	20M	QPSK	1	0	Back	10mm	132322	1745	23.86	24.00	1.033	0.15	0.743	0.767	
	LTE Band 66_ANT 1	20M	QPSK	50	0	Back	10mm	132572	1770	23.96	24.00	1.009	-0.18	0.861	0.869	
	LTE Band 66_ANT 1	20M	QPSK	50	0	Back	10mm	132072	1720	23.93	24.00	1.016	-0.12	0.809	0.823	
	LTE Band 66_ANT 1	20M	QPSK	50	0	Back	10mm	132322	1745	23.93	24.00	1.016	0.07	0.706	0.717	
	LTE Band 66_ANT 1	20M	QPSK	100	0	Back	10mm	132572	1770	23.88	24.00	1.028	0.15	0.818	0.841	
	LTE Band 66_ANT 1	20M	QPSK	1	0	Left Side	10mm	132572	1770	23.95	24.00	1.012	0.07	0.504	0.510	
	LTE Band 66_ANT 1	20M	QPSK	50	0	Left Side	10mm	132572	1770	23.94	24.00	1.014	0.09	0.403	0.409	
	LTE Band 66_ANT 1	20M	QPSK	1	0	Top Side	10mm	132572	1770	23.95	24.00	1.012	-0.04	0.778	0.787	
	LTE Band 66_ANT 1	20M	QPSK	1	0	Top Side	10mm	132072	1720	23.78	24.00	1.052	0.05	0.770	0.810	
	LTE Band 66_ANT 1	20M	QPSK	1	0	Top Side	10mm	132322	1745	23.86	24.00	1.033	-0.08	0.808	0.834	
	LTE Band 66_ANT 1	20M	QPSK	50	0	Top Side	10mm	132572	1770	23.96	24.00	1.009	0.07	0.622	0.628	
	LTE Band 66_ANT 1	20M	QPSK	100	0	Top Side	10mm	132572	1770	23.88	24.00	1.028	-0.12	0.591	0.608	
	LTE Band 66C_ANT 1	20M	QPSK	1	0	Back	10mm	132072	1720	23.8	24.00	1.047	-0.05	0.869	0.910	
	LTE Band 66B_ANT 1	15M	QPSK	1	0	Back	10mm	132322	1745	23.85	24.00	1.035	-0.02	0.855	0.885	
	LTE Band 66_ANT 0B	20M	QPSK	1	0	Front	10mm	132572	1770	24.83	25.00	1.040	0.12	0.551	0.573	
	LTE Band 66_ANT 0B	20M	QPSK	50	0	Front	10mm	132572	1770	23.96	24.00	1.009	0.05	0.441	0.445	
	LTE Band 66_ANT 0B	20M	QPSK	1	0	Back	10mm	132572	1770	24.83	25.00	1.040	0.01	0.624	0.649	
	LTE Band 66_ANT 0B	20M	QPSK	1	0	Back	10mm	132072	1720	24.78	25.00	1.052	-0.01	0.523	0.550	
	LTE Band 66_ANT 0B	20M	QPSK	1	0	Back	10mm	132322	1745	24.78	25.00	1.052	-0.03	0.615	0.647	
	LTE Band 66_ANT 0B	20M	QPSK	50	0	Back	10mm	132572	1770	23.96	24.00	1.009	0.09	0.499	0.504	
	LTE Band 66_ANT 0B	20M	QPSK	1	0	Right Side	10mm	132572	1770	24.83	25.00	1.040	0.18	0.460	0.478	
	LTE Band 66_ANT 0B	20M	QPSK	50	0	Right Side	10mm	132572	1770	23.96	24.00	1.009	-0.05	0.368	0.371	
	LTE Band 66_ANT 0B	20M	QPSK	1	0	Bottom Side	10mm	132572	1770	24.83	25.00	1.040	0.12	0.035	0.036	
	LTE Band 66_ANT 0B	20M	QPSK	50	0	Bottom Side	10mm	132572	1770	23.96	24.00	1.009	0.1	0.028	0.028	
	LTE Band 66C_ANT 0B	20M	QPSK	1	0	Back	10mm	132072+132270	1720	24.71	25.00	1.069	0.07	0.601	0.643	
	LTE Band 66B_ANT 0B	15M	QPSK	1	0	Back	10mm	132322+132229	1745	24.82	25.00	1.042	0.09	0.589	0.614	
	LTE Band 66_ANT 0C	20M	QPSK	1	0	Front	10mm	132572	1770	24.83	25.00	1.040	0.18	0.278	0.289	
	LTE Band 66_ANT 0C	20M	QPSK	50	0	Front	10mm	132572	1770	23.96	24.00	1.009	-0.09	0.222	0.224	
	LTE Band 66_ANT 0C	20M	QPSK	1	0	Back	10mm	132572	1770	24.83	25.00	1.040	0.15	0.312	0.324	
	LTE Band 66_ANT 0C	20M	QPSK	50	0	Back	10mm	132572	1770	23.96	24.00	1.009	0.1	0.250	0.252	
	LTE Band 66_ANT 0C	20M	QPSK	1	0	Left Side	10mm	132572	1770	24.83	25.00	1.040	0.07	0.591	0.614	
	LTE Band 66_ANT 0C	20M	QPSK	1	0	Left Side	10mm	132072	1720	24.78	25.00	1.052	-0.06	0.551	0.579	
	LTE Band 66_ANT 0C	20M	QPSK	1	0	Left Side	10mm	132322	1745	24.78	25.00	1.052	0.04	0.635	0.668	
	LTE Band 66_ANT 0C	20M	QPSK	50	0	Left Side	10mm	132572	1770	23.96	24.00	1.009	0.07	0.508	0.513	
	LTE Band 66_ANT 0C	20M	QPSK	1	0	Bottom Side	10mm	132572	1770	24.83	25.00	1.040	-0.01	0.154	0.160	
	LTE Band 66_ANT 0C	20M	QPSK	50	0	Bottom Side	10mm	132572	1770	23.96	24.00	1.009	-0.03	0.123	0.124	
	LTE Band 66C_ANT 0C	20M	QPSK	1	0	Left Side	10mm	132072+132270	1720	24.71	25.00	1.069	0.09	0.612	0.654	
	LTE Band 66B_ANT 0C	15M	QPSK	1	0	Left Side	10mm	132322+132229	1745	24.82	25.00	1.042	0.08	0.597	0.622	



Simtaneous Transmission is active															
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 71_ANT 1	20M	QPSK	1	0	Front	10mm	133322	683	24.78	25.00	1.052	-0.18	0.161	0.169
	LTE Band 71_ANT 1	20M	QPSK	50	0	Front	10mm	133322	683	23.64	24.00	1.086	-0.14	0.130	0.141
	LTE Band 71_ANT 1	20M	QPSK	1	0	Back	10mm	133322	683	24.78	25.00	1.052	0.05	0.168	0.177
	LTE Band 71_ANT 1	20M	QPSK	50	0	Back	10mm	133322	683	23.64	24.00	1.086	-0.08	0.136	0.148
	LTE Band 71_ANT 1	20M	QPSK	1	0	Left Side	10mm	133322	683	24.78	25.00	1.052	-0.01	0.280	0.295
	LTE Band 71_ANT 1	20M	QPSK	50	0	Left Side	10mm	133322	683	23.64	24.00	1.086	0	0.222	0.241
	LTE Band 71_ANT 1	20M	QPSK	1	0	Top Side	10mm	133322	683	24.78	25.00	1.052	0	0.111	0.117
	LTE Band 71_ANT 1	20M	QPSK	50	0	Top Side	10mm	133322	683	23.64	24.00	1.086	0.04	0.085	0.092
	LTE Band 71_ANT 0C	20M	QPSK	1	0	Front	10mm	133322	683	24.78	25.00	1.052	-0.03	0.220	0.231
	LTE Band 71_ANT 0C	20M	QPSK	50	0	Front	10mm	133322	683	23.64	24.00	1.086	-0.1	0.197	0.214
	LTE Band 71_ANT 0C	20M	QPSK	1	0	Back	10mm	133322	683	24.78	25.00	1.052	0	0.204	0.215
	LTE Band 71_ANT 0C	20M	QPSK	50	0	Back	10mm	133322	683	23.64	24.00	1.086	0.01	0.183	0.199
41	LTE Band 71_ANT 0C	20M	QPSK	1	0	Left Side	10mm	133322	683	24.78	25.00	1.052	-0.1	0.484	0.509
	LTE Band 71_ANT 0C	20M	QPSK	50	0	Left Side	10mm	133322	683	23.64	24.00	1.086	-0.09	0.371	0.403
	LTE Band 71_ANT 0C	20M	QPSK	1	0	Bottom Side	10mm	133322	683	24.78	25.00	1.052	0.03	0.244	0.257
	LTE Band 71_ANT 0C	20M	QPSK	50	0	Bottom Side	10mm	133322	683	23.64	24.00	1.086	0.05	0.187	0.203



<TDD LTE SAR>

Simultaneous Transmission is active																		
Note	Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	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)
		LTE Band 41_ANT 1	20M	QPSK	1	99	Front	10mm	41490	2680	23.5	23.50	1.000	62.9	1.006	0.12	0.400	0.403
		LTE Band 41_ANT 1	20M	QPSK	50	50	Front	10mm	41490	2680	23.44	23.50	1.014	62.9	1.006	0.15	0.380	0.388
		LTE Band 41_ANT 1	20M	QPSK	1	99	Back	10mm	41490	2680	23.5	23.50	1.000	62.9	1.006	-0.07	0.411	0.414
		LTE Band 41_ANT 1	20M	QPSK	50	50	Back	10mm	41490	2680	23.44	23.50	1.014	62.9	1.006	-0.13	0.391	0.399
		LTE Band 41_ANT 1	20M	QPSK	1	99	Left Side	10mm	41490	2680	23.5	23.50	1.000	62.9	1.006	0.15	0.368	0.371
		LTE Band 41_ANT 1	20M	QPSK	50	50	Left Side	10mm	41490	2680	23.44	23.50	1.014	62.9	1.006	0.01	0.350	0.357
	42	LTE Band 41_ANT 1	20M	QPSK	1	99	Top Side	10mm	41490	2680	23.5	23.50	1.000	62.9	1.006	-0.1	0.952	0.958
		LTE Band 41_ANT 1	20M	QPSK	1	99	Top Side	10mm	39750	2506	23.2	23.50	1.072	62.9	1.006	-0.07	0.679	0.732
		LTE Band 41_ANT 1	20M	QPSK	1	99	Top Side	10mm	40185	2549.5	23.45	23.50	1.012	62.9	1.006	-0.02	0.770	0.783
		LTE Band 41_ANT 1	20M	QPSK	1	99	Top Side	10mm	40620	2593	23.43	23.50	1.016	62.9	1.006	0.19	0.928	0.949
		LTE Band 41_ANT 1	20M	QPSK	1	99	Top Side	10mm	41055	2636.5	23.47	23.50	1.007	62.9	1.006	-0.01	0.933	0.945
		LTE Band 41_ANT 1	20M	QPSK	50	50	Top Side	10mm	41490	2680	23.46	23.50	1.009	62.9	1.006	-0.03	0.904	0.918
		LTE Band 41_ANT 1	20M	QPSK	50	50	Top Side	10mm	39750	2506	23.21	23.50	1.069	62.9	1.006	0.05	0.645	0.693
		LTE Band 41_ANT 1	20M	QPSK	50	50	Top Side	10mm	40185	2549.5	23.45	23.50	1.012	62.9	1.006	0.07	0.731	0.744
		LTE Band 41_ANT 1	20M	QPSK	50	50	Top Side	10mm	40620	2593	23.44	23.50	1.014	62.9	1.006	-0.15	0.890	0.908
		LTE Band 41_ANT 1	20M	QPSK	50	50	Top Side	10mm	41055	2636.5	23.43	23.50	1.016	62.9	1.006	-0.13	0.857	0.876
		LTE Band 41_ANT 1	20M	QPSK	100	0	Top Side	10mm	41490	2680	23.44	23.50	1.014	62.9	1.006	-0.02	0.814	0.830
PC2		LTE Band 41_ANT 1	20M	QPSK	1	49	Top Side	10mm	40185	2549.5	25.5	25.50	1.000	42.9	1.009	-0.05	0.941	0.949
		LTE Band 41C_ANT 1	20M	QPSK	1	0	Top Side	10mm	39750	2506	22.80	23.50	1.175	62.9	1.006	-0.09	0.774	0.915
PC2		LTE Band 41C_ANT 1	20M	QPSK	1	0	Top Side	10mm	39750	2506	24.85	25.50	1.161	42.9	1.009	0.03	0.779	0.913
		LTE Band 41_ANT 0B	20M	QPSK	1	99	Front	10mm	41490	2680	24.44	24.50	1.014	62.9	1.006	0.08	0.485	0.495
		LTE Band 41_ANT 0B	20M	QPSK	50	50	Front	10mm	41490	2680	23.45	23.50	1.012	62.9	1.006	0.02	0.325	0.331
		LTE Band 41_ANT 0B	20M	QPSK	1	99	Back	10mm	41490	2680	24.44	24.50	1.014	62.9	1.006	-0.07	0.781	0.797
		LTE Band 41_ANT 0B	20M	QPSK	1	99	Back	10mm	39750	2506	24.05	24.50	1.109	62.9	1.006	0.12	0.725	0.809
		LTE Band 41_ANT 0B	20M	QPSK	1	99	Back	10mm	40185	2549.5	24.35	24.50	1.035	62.9	1.006	0.08	0.755	0.786
		LTE Band 41_ANT 0B	20M	QPSK	1	99	Back	10mm	40620	2593	24.28	24.50	1.052	62.9	1.006	0.11	0.738	0.781
		LTE Band 41_ANT 0B	20M	QPSK	1	99	Back	10mm	41055	2636.5	24.3	24.50	1.047	62.9	1.006	0.03	0.744	0.784
		LTE Band 41_ANT 0B	20M	QPSK	50	50	Back	10mm	41490	2680	23.45	23.50	1.012	62.9	1.006	-0.07	0.682	0.694
		LTE Band 41_ANT 0B	20M	QPSK	50	50	Back	10mm	39750	2506	23.19	23.50	1.074	62.9	1.006	-0.12	0.623	0.673
		LTE Band 41_ANT 0B	20M	QPSK	50	50	Back	10mm	40185	2549.5	23.44	23.50	1.014	62.9	1.006	-0.05	0.662	0.675
		LTE Band 41_ANT 0B	20M	QPSK	50	50	Back	10mm	40620	2593	23.44	23.50	1.014	62.9	1.006	0.06	0.649	0.662
		LTE Band 41_ANT 0B	20M	QPSK	50	50	Back	10mm	41055	2636.5	23.28	23.50	1.052	62.9	1.006	0.09	0.654	0.692
		LTE Band 41_ANT 0B	20M	QPSK	100	0	Back	10mm	41490	2680	23.4	23.50	1.023	62.9	1.006	0.16	0.633	0.652
		LTE Band 41_ANT 0B	20M	QPSK	1	99	Right Side	10mm	41490	2680	24.44	24.50	1.014	62.9	1.006	-0.15	0.909	0.927
		LTE Band 41_ANT 0B	20M	QPSK	1	99	Right Side	10mm	39750	2506	24.05	24.50	1.109	62.9	1.006	0.02	0.821	0.916
		LTE Band 41_ANT 0B	20M	QPSK	1	99	Right Side	10mm	40185	2549.5	24.35	24.50	1.035	62.9	1.006	0.07	0.874	0.910
		LTE Band 41_ANT 0B	20M	QPSK	1	99	Right Side	10mm	40620	2593	24.28	24.50	1.052	62.9	1.006	0.08	0.842	0.891
		LTE Band 41_ANT 0B	20M	QPSK	1	99	Right Side	10mm	41055	2636.5	24.3	24.50	1.047	62.9	1.006	0.02	0.867	0.913
		LTE Band 41_ANT 0B	20M	QPSK	50	50	Right Side	10mm	41490	2680	23.45	23.50	1.012	62.9	1.006	0.02	0.711	0.724
		LTE Band 41_ANT 0B	20M	QPSK	50	50	Right Side	10mm	39750	2506	23.19	23.50	1.074	62.9	1.006	0.17	0.654	0.707
		LTE Band 41_ANT 0B	20M	QPSK	50	50	Right Side	10mm	40185	2549.5	23.44	23.50	1.014	62.9	1.006	0.08	0.671	0.684
		LTE Band 41_ANT 0B	20M	QPSK	50	50	Right Side	10mm	40620	2593	23.44	23.50	1.014	62.9	1.006	-0.19	0.638	0.651
		LTE Band 41_ANT 0B	20M	QPSK	50	50	Right Side	10mm	41055	2636.5	23.28	23.50	1.052	62.9	1.006	0.01	0.648	0.686
		LTE Band 41_ANT 0B	20M	QPSK	100	0	Right Side	10mm	41490	2680	23.4	23.50	1.023	62.9	1.006	0.02	0.721	0.742
		LTE Band 41_ANT 0B	20M	QPSK	1	99	Bottom Side	10mm	41490	2680	24.44	24.50	1.014	62.9	1.006	-0.03	0.380	0.388
		LTE Band 41_ANT 0B	20M	QPSK	50	50	Bottom Side	10mm	41490	2680	23.45	23.50	1.012	62.9	1.006	0.09	0.298	0.303
PC2		LTE Band 41_ANT 0B	20M	QPSK	1	99	Right Side	10mm	40185	2549.5	26.49	26.50	1.002	42.9	1.009	0.03	0.892	0.902
		LTE Band 41C_ANT 0B	20M	QPSK	1	0	Right Side	10mm	39750	2506	23.7	24.50	1.202	62.9	1.006	-0.09	0.732	0.885
PC2		LTE Band 41C_ANT 0B	20M	QPSK	1	0	Right Side	10mm	39750	2506	25.72	26.50	1.197	42.9	1.009	0.03	0.721	0.871
		LTE Band 41_ANT 0C	20M	QPSK	1	99	Front	10mm	41490	2680	24.92	25.00	1.019	62.9	1.006	0.02	0.335	0.343



FCC SAR TEST REPORT

Report No. : FA8N0620-05A

		LTE Band 41_ANT 0C	20M	QPSK	50	50	Front	10mm	41490	2680	23.97	24.00	1.007	62.9	1.006	-0.06	0.268	0.271
		LTE Band 41_ANT 0C	20M	QPSK	1	99	Back	10mm	41490	2680	24.92	25.00	1.019	62.9	1.006	0	0.499	0.511
		LTE Band 41_ANT 0C	20M	QPSK	50	50	Back	10mm	41490	2680	23.97	24.00	1.007	62.9	1.006	0.03	0.399	0.404
		LTE Band 41_ANT 0C	20M	QPSK	1	99	Left Side	10mm	41490	2680	24.92	25.00	1.019	62.9	1.006	-0.15	0.815	0.835
		LTE Band 41_ANT 0C	20M	QPSK	1	99	Left Side	10mm	39790	2510	24.46	25.00	1.132	62.9	1.006	0.15	0.452	0.514
		LTE Band 41_ANT 0C	20M	QPSK	1	99	Left Side	10mm	39750	2506	24.47	25.00	1.130	62.9	1.006	0.16	0.588	0.668
		LTE Band 41_ANT 0C	20M	QPSK	1	99	Left Side	10mm	40185	2549.5	24.77	25.00	1.054	62.9	1.006	-0.08	0.667	0.707
		LTE Band 41_ANT 0C	20M	QPSK	1	99	Left Side	10mm	40620	2593	24.69	25.00	1.074	62.9	1.006	0.01	0.762	0.823
		LTE Band 41_ANT 0C	20M	QPSK	1	99	Left Side	10mm	41055	2636.5	24.71	25.00	1.069	62.9	1.006	-0.09	0.756	0.813
		LTE Band 41_ANT 0C	20M	QPSK	50	50	Left Side	10mm	41490	2680	23.97	24.00	1.007	62.9	1.006	-0.07	0.591	0.599
		LTE Band 41_ANT 0C	20M	QPSK	100	0	Left Side	10mm	41490	2680	23.91	24.00	1.021	62.9	1.006	0.12	0.565	0.580
		LTE Band 41_ANT 0C	20M	QPSK	1	99	Bottom Side	10mm	41490	2680	24.92	25.00	1.019	62.9	1.006	0.14	0.224	0.230
		LTE Band 41_ANT 0C	20M	QPSK	50	50	Bottom Side	10mm	41490	2680	23.97	24.00	1.007	62.9	1.006	0.18	0.179	0.182
PC2		LTE Band 41_ANT 0C	20M	QPSK	1	99	Left Side	10mm	40185	2549.5	26.69	27.00	1.074	42.9	1.009	-0.15	0.832	0.902
		LTE Band 41C_ANT 0C	20M	QPSK	1	0	Left Side	10mm	39750	2506	24.2	25.00	1.202	62.9	1.006	0.03	0.687	0.831
PC2		LTE Band 41C_ANT 0C	20M	QPSK	1	0	Left Side	10mm	39750	2506	26.25	27.00	1.189	42.9	1.009	0.06	0.666	0.799



Simultaneous Transmission is active																	
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	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)
	LTE Band 48_ANT 1	20M	QPSK	1	0	Front	10mm	56640	3690	22.35	23.00	1.161	62.9	1.006	0.06	0.108	0.126
	LTE Band 48_ANT 1	20M	QPSK	50	0	Front	10mm	56640	3690	21.49	22.00	1.125	62.9	1.006	0.01	0.082	0.093
	LTE Band 48_ANT 1	20M	QPSK	1	0	Back	10mm	56640	3690	22.35	23.00	1.161	62.9	1.006	0.12	0.220	0.257
	LTE Band 48_ANT 1	20M	QPSK	50	0	Back	10mm	56640	3690	21.49	22.00	1.125	62.9	1.006	0.09	0.165	0.187
	LTE Band 48_ANT 1	20M	QPSK	1	0	Left Side	10mm	56640	3690	22.35	23.00	1.161	62.9	1.006	-0.05	0.085	0.099
	LTE Band 48_ANT 1	20M	QPSK	50	0	Left Side	10mm	56640	3690	21.49	22.00	1.125	62.9	1.006	-0.08	0.055	0.062
	LTE Band 48_ANT 1	20M	QPSK	1	0	Top Side	10mm	56640	3690	22.35	23.00	1.161	62.9	1.006	0.01	0.305	0.356
	LTE Band 48_ANT 1	20M	QPSK	1	0	Top Side	10mm	55340	3560	22.22	23.00	1.197	62.9	1.006	0.02	0.287	0.346
	LTE Band 48_ANT 1	20M	QPSK	1	0	Top Side	10mm	55830	3609	22.17	23.00	1.211	62.9	1.006	0.09	0.280	0.341
	LTE Band 48_ANT 1	20M	QPSK	1	0	Top Side	10mm	56150	3641	22.34	23.00	1.164	62.9	1.006	0.06	0.275	0.322
	LTE Band 48_ANT 1	20M	QPSK	50	0	Top Side	10mm	56640	3690	21.49	22.00	1.125	62.9	1.006	0.01	0.241	0.273
	LTE Band 48C_ANT 1	20M	QPSK	1	0	Top Side	0mm	55340	3690	22.00	23.00	1.259	62.9	1.006	0.01	0.258	0.327
	LTE Band 48_ANT 6	20M	QPSK	1	0	Front	10mm	56640	3690	22.35	23.00	1.161	62.9	1.006	0.03	0.256	0.299
	LTE Band 48_ANT 6	20M	QPSK	50	0	Front	10mm	56640	3690	21.49	22.00	1.125	62.9	1.006	0.02	0.182	0.206
	LTE Band 48_ANT 6	20M	QPSK	1	0	Back	10mm	56640	3690	22.35	23.00	1.161	62.9	1.006	-0.01	0.472	0.551
	LTE Band 48_ANT 6	20M	QPSK	50	0	Back	10mm	56640	3690	21.49	22.00	1.125	62.9	1.006	0.09	0.208	0.235
43	LTE Band 48_ANT 6	20M	QPSK	1	0	Left Side	10mm	56640	3690	22.35	23.00	1.161	62.9	1.006	-0.01	0.638	0.745
	LTE Band 48_ANT 6	20M	QPSK	1	0	Left Side	10mm	55240	3550	22.22	23.00	1.197	62.9	1.006	0.02	0.528	0.636
	LTE Band 48_ANT 6	20M	QPSK	1	0	Left Side	10mm	55830	3609	22.17	23.00	1.211	62.9	1.006	0.09	0.555	0.676
	LTE Band 48_ANT 6	20M	QPSK	1	0	Left Side	10mm	56150	3641	22.34	23.00	1.164	62.9	1.006	0.06	0.612	0.717
	LTE Band 48_ANT 6	20M	QPSK	50	0	Left Side	10mm	56640	3690	21.49	22.00	1.125	62.9	1.006	0.09	0.521	0.589
	LTE Band 48_ANT 6	20M	QPSK	100	0	Left Side	10mm	56640	3690	21.49	22.00	1.125	62.9	1.006	0.09	0.521	0.589
	LTE Band 48_ANT 6	20M	QPSK	1	0	Bottom Side	10mm	56640	3690	22.35	23.00	1.161	62.9	1.006	0.15	0.134	0.157
	LTE Band 48_ANT 6	20M	QPSK	50	0	Bottom Side	10mm	56640	3690	21.49	22.00	1.125	62.9	1.006	0.08	0.089	0.101
	LTE Band 48C_ANT 6	20M	QPSK	1	0	Left Side	0mm	55340	3690	22.00	23.00	1.259	62.9	1.006	0.01	0.580	0.735



<WLAN SAR>

Simultaneous Transmission is active															
Plot No.	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)
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 2	6	2437	15.20	15.50	1.072	98.92	1.011	-0.01	0.083	0.090
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 2	6	2437	15.20	15.50	1.072	98.92	1.011	0.01	0.160	0.173
	WLAN2.4GHz	802.11b 1Mbps	Left Side	10mm	Ant 2	6	2437	15.20	15.50	1.072	98.92	1.011	0.14	0.202	0.219
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 2	6	2437	15.20	15.50	1.072	98.92	1.011	-0.08	0.014	0.015
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4	1	2412	17.80	18.00	1.047	98.85	1.012	-0.16	0.199	0.211
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 4	1	2412	17.80	18.00	1.047	98.85	1.012	-0.08	0.193	0.205
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 4	1	2412	17.80	18.00	1.047	98.85	1.012	0.03	0.012	0.013
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 4	1	2412	17.80	18.00	1.047	98.85	1.012	0.04	0.420	0.445
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 4	6	2437	17.10	18.00	1.230	98.85	1.012	0.03	0.408	0.508
44	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 4	11	2462	16.90	18.00	1.288	98.85	1.012	-0.17	0.411	0.536
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 2+4(2)	6	2437	17.8	18.00	1.047	99.12	1.009	-0.06	0.293	0.310
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 2+4(4)	6	2437	17.51	18.00	1.119	99.12	1.009	-0.06	0.331	0.374
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 2+4(2)	6	2437	17.8	18.00	1.047	99.12	1.009	-0.01	0.475	0.502
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 2+4(4)	6	2437	17.51	18.00	1.119	99.12	1.009	-0.01	0.316	0.357
	WLAN2.4GHz	802.11b 1Mbps	Left Side	10mm	Ant 2+4(4)	6	2437	17.51	18.00	1.119	99.12	1.009	0.11	0.461	0.521
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 2+4(4)	6	2437	17.51	18.00	1.119	99.12	1.009	0.11	0.084	0.095
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 2+4(2)	6	2437	17.8	18.00	1.047	99.12	1.009	-0.12	0.129	0.136
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 2+4(4)	6	2437	17.51	18.00	1.119	99.12	1.009	-0.12	0.467	0.527
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 2+4(4)	1	2412	17.73	18.00	1.064	99.12	1.009	0.06	0.173	0.186
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 2+4(2)	1	2412	17.43	18.00	1.140	99.12	1.009	0.06	0.377	0.434
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 2+4(4)	11	2462	17.76	18.00	1.057	99.12	1.009	0.02	0.166	0.177
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 2+4(2)	11	2462	17.49	18.00	1.125	99.12	1.009	0.02	0.347	0.394



Simultaneous Transmission is active															
Plot No.	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)
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 4	46	5230	19.30	20.00	1.175	96.45	1.037	0.07	0.069	0.084
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 4	46	5230	19.30	20.00	1.175	96.45	1.037	-0.07	0.184	0.224
	WLAN5GHz	802.11n-HT40 MCS0	Right Side	10mm	Ant 4	46	5230	19.30	20.00	1.175	96.45	1.037	0.17	0.010	0.012
	WLAN5GHz	802.11n-HT40 MCS0	Top Side	10mm	Ant 4	46	5230	19.30	20.00	1.175	96.45	1.037	-0.09	0.116	0.141
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 5	46	5230	16.60	17.00	1.096	96.43	1.037	-0.1	0.044	0.050
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 5	46	5230	16.60	17.00	1.096	96.43	1.037	-0.04	0.258	0.293
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 5	38	5190	15.10	15.50	1.096	96.43	1.037	-0.05	0.214	0.243
	WLAN5GHz	802.11n-HT40 MCS0	Left Side	10mm	Ant 5	46	5230	16.60	17.00	1.096	96.43	1.037	-0.03	0.110	0.125
	WLAN5GHz	802.11n-HT40 MCS0	Top Side	10mm	Ant 5	46	5230	16.60	17.00	1.096	96.43	1.037	-0.04	0.119	0.135
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 4+5(4)	46	5230	19.93	20	1.016	96.43	1.037	0.14	0.123	0.130
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 4+5(5)	46	5230	16.5	16.5	1.000	96.43	1.037	0.14	0.120	0.124
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 4+5(4)	46	5230	19.93	20	1.016	96.43	1.037	-0.1	0.267	0.281
45	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 4+5(5)	46	5230	16.5	16.5	1.000	96.43	1.037	-0.1	0.360	0.373
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 4+5(4)	38	5190	15.3	15.5	1.047	96.43	1.037	0.11	0.222	0.241
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 4+5(5)	38	5190	15.5	15.5	1.000	96.43	1.037	0.11	0.312	0.324
	WLAN5GHz	802.11n-HT40 MCS0	Left Side	10mm	Ant 4+5(4)	46	5230	19.93	20	1.016	96.43	1.037	0.06	0.142	0.150
	WLAN5GHz	802.11n-HT40 MCS0	Right Side	10mm	Ant 4+5(4)	46	5230	19.93	20	1.016	96.43	1.037	0.03	0.028	0.030
	WLAN5GHz	802.11n-HT40 MCS0	Top Side	10mm	Ant 4+5(4)	46	5230	19.93	20	1.016	96.43	1.037	0.04	0.192	0.202
	WLAN5GHz	802.11n-HT40 MCS0	Top Side	10mm	Ant 4+5(5)	46	5230	16.5	16.5	1.000	96.43	1.037	0.04	0.189	0.196

Simultaneous Transmission is active															
Plot No.	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)
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4	155	5775	20.10	20.50	1.096	92.22	1.084	-0.17	0.333	0.396
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4	155	5775	20.10	20.50	1.096	92.22	1.084	-0.06	0.209	0.248
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 4	155	5775	20.10	20.50	1.096	92.22	1.084	0.01	0.040	0.048
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Side	10mm	Ant 4	155	5775	20.10	20.50	1.096	92.22	1.084	0.08	0.213	0.253
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 5	155	5775	16.20	16.50	1.072	92.77	1.078	-0.19	0.026	0.030
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 5	155	5775	16.20	16.50	1.072	92.77	1.078	-0.19	0.241	0.278
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 5	155	5775	16.20	16.50	1.072	92.77	1.078	-0.14	0.115	0.133
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Side	10mm	Ant 5	155	5775	16.20	16.50	1.072	92.77	1.078	0.02	0.040	0.046
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+5(4)	155	5775	19.55	20.5	1.245	92.81	1.077	0.13	0.087	0.116
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+5(5)	155	5775	16.95	17	1.012	92.81	1.077	0.13	0.120	0.130
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+5(4)	155	5775	19.55	20.5	1.245	92.81	1.077	-0.09	0.259	0.347
46	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+5(5)	155	5775	16.95	17	1.012	92.81	1.077	-0.09	0.366	0.399
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 4+5(4)	155	5775	19.55	20.5	1.245	92.81	1.077	0.11	0.100	0.134
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Side	10mm	Ant 4+5(4)	155	5775	19.55	20.5	1.245	92.81	1.077	0.09	0.020	0.026
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Side	10mm	Ant 4+5(4)	155	5775	19.55	20.5	1.245	92.81	1.077	0.13	0.135	0.182
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Side	10mm	Ant 4+5(5)	155	5775	16.95	17	1.012	92.81	1.077	0.13	0.191	0.209

<Bluetooth SAR>

Simultaneous Transmission is active															
Plot No.	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)
	Bluetooth	1Mbps	Front	10mm	Ant 2	39	2441	17.9	18	1.023	77.13	1.297	0.06	0.131	0.174
	Bluetooth	1Mbps	Back	10mm	Ant 2	39	2441	17.9	18	1.023	77.13	1.297	-0.15	0.145	0.192
47	Bluetooth	1Mbps	Left Side	10mm	Ant 2	39	2441	17.9	18	1.023	77.13	1.297	-0.06	0.147	0.195
	Bluetooth	1Mbps	Left Side	10mm	Ant 2	0	2402	17.1	18	1.230	77.13	1.297	0.18	0.121	0.193
	Bluetooth	1Mbps	Left Side	10mm	Ant 2	78	2480	17.7	18	1.072	77.13	1.297	-0.09	0.139	0.193
	Bluetooth	1Mbps	Top Side	10mm	Ant 2	39	2441	17.9	18	1.023	77.13	1.297	0.12	0.006	0.008



15.3 Body Worn Accessory SAR

<GSM SAR>

Standalone												
Plot No.	Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	GSM850_ANT 1	GPRS (4 Tx slots)	Front	10mm	128	824.2	28.44	29.00	1.138	0.03	0.286	0.325
	GSM850_ANT 1	GPRS (4 Tx slots)	Back	10mm	128	824.2	28.44	29.00	1.138	-0.08	0.446	0.507
	GSM850_ANT 1	GPRS (4 Tx slots)	Back	10mm	189	836.4	28.42	29.00	1.143	0.02	0.303	0.346
	GSM850_ANT 1	GPRS (4 Tx slots)	Back	10mm	251	848.8	28.27	29.00	1.183	0.01	0.257	0.304
	GSM850_ANT 0C	GPRS (4 Tx slots)	Front	10mm	128	824.2	26.89	28.00	1.291	0.03	0.785	1.014
	GSM850_ANT 0C	GPRS (4 Tx slots)	Front	10mm	189	836.4	26.84	28.00	1.306	0.03	0.792	1.034
	GSM850_ANT 0C	GPRS (4 Tx slots)	Front	10mm	251	848.8	26.85	28.00	1.303	0.03	0.775	1.010
	GSM850_ANT 0C	GPRS (4 Tx slots)	Back	10mm	128	824.2	26.89	28.00	1.291	0.02	0.821	1.060
48	GSM850_ANT 0C	GPRS (4 Tx slots)	Back	10mm	189	836.4	26.84	28.00	1.306	-0.02	0.841	1.098
	GSM850_ANT 0C	GPRS (4 Tx slots)	Back	10mm	251	848.8	26.85	28.00	1.303	-0.05	0.811	1.057

Simultaneous Transmission is active

Plot No.	Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	GSM850_ANT 1	GPRS (4 Tx slots)	Front	10mm	128	824.2	28.44	29.00	1.138	0.03	0.286	0.325
	GSM850_ANT 1	GPRS (4 Tx slots)	Back	10mm	128	824.2	28.44	29.00	1.138	-0.08	0.446	0.507
	GSM850_ANT 1	GPRS (4 Tx slots)	Back	10mm	189	836.4	28.42	29.00	1.143	0.02	0.303	0.346
	GSM850_ANT 1	GPRS (4 Tx slots)	Back	10mm	251	848.8	28.27	29.00	1.183	0.01	0.257	0.304
	GSM850_ANT 0C	GPRS (4 Tx slots)	Front	10mm	128	824.2	26.89	27.50	1.000	0.03	0.785	0.903
	GSM850_ANT 0C	GPRS (4 Tx slots)	Front	10mm	189	836.4	26.84	27.50	1.000	0.03	0.792	0.922
	GSM850_ANT 0C	GPRS (4 Tx slots)	Front	10mm	251	848.8	26.85	27.50	1.000	0.03	0.775	0.900
	GSM850_ANT 0C	GPRS (4 Tx slots)	Back	10mm	128	824.2	26.89	27.50	1.000	0.02	0.821	0.945
	GSM850_ANT 0C	GPRS (4 Tx slots)	Back	10mm	189	836.4	26.84	27.50	1.000	-0.02	0.841	0.979
	GSM850_ANT 0C	GPRS (4 Tx slots)	Back	10mm	251	848.8	26.85	27.50	1.000	-0.05	0.811	0.942

Standalone												
Plot No.	Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	GSM1900_ANT 1	GPRS (4 Tx slots)	Front	10mm	512	1850.2	25.45	26.00	1.135	0.03	0.623	0.707
	GSM1900_ANT 1	GPRS (4 Tx slots)	Back	10mm	512	1850.2	25.45	26.00	1.135	0.02	0.921	1.045
	GSM1900_ANT 1	GPRS (4 Tx slots)	Back	10mm	661	1880	25.32	26.00	1.169	-0.11	0.942	1.102
	GSM1900_ANT 1	GPRS (4 Tx slots)	Back	10mm	810	1909.8	25.44	26.00	1.138	0.01	0.832	0.947
	GSM1900_ANT 0B	GPRS (4 Tx slots)	Front	10mm	512	1850.2	24.48	25.00	1.127	0.03	0.575	0.648
	GSM1900_ANT 0B	GPRS (4 Tx slots)	Back	10mm	512	1850.2	24.48	25.00	1.127	0.12	0.921	1.038
	GSM1900_ANT 0B	GPRS (4 Tx slots)	Back	10mm	661	1880	24.32	25.00	1.169	0.04	0.942	1.102
49	GSM1900_ANT 0B	GPRS (4 Tx slots)	Back	10mm	810	1909.8	24.42	25.00	1.143	-0.19	0.973	1.112
	GSM1900_ANT 0C	GPRS (4 Tx slots)	Front	10mm	512	1850.2	25.53	26.50	1.250	0.03	0.295	0.369
	GSM1900_ANT 0C	GPRS (4 Tx slots)	Back	10mm	512	1850.2	25.53	26.50	1.250	0.01	0.376	0.470
	GSM1900_ANT 0C	GPRS (4 Tx slots)	Back	10mm	661	1880	25.28	26.50	1.324	0.07	0.352	0.466
	GSM1900_ANT 0C	GPRS (4 Tx slots)	Back	10mm	810	1909.8	25.51	26.50	1.256	-0.12	0.414	0.520

Simultaneous Transmission is active

	GSM1900_ANT 1	GPRS (4 Tx slots)	Front	10mm	512	1850.2	25.45	25.50	1.000	0.03	0.623	0.630
	GSM1900_ANT 1	GPRS (4 Tx slots)	Back	10mm	512	1850.2	25.45	25.50	1.000	0.02	0.921	0.932
	GSM1900_ANT 1	GPRS (4 Tx slots)	Back	10mm	661	1880	25.32	25.50	1.000	-0.11	0.942	0.982
	GSM1900_ANT 1	GPRS (4 Tx slots)	Back	10mm	810	1909.8	25.44	25.50	1.000	0.01	0.832	0.844
	GSM1900_ANT 0B	GPRS (4 Tx slots)	Front	10mm	512	1850.2	24.48	24.50	1.000	0.03	0.575	0.578
	GSM1900_ANT 0B	GPRS (4 Tx slots)	Back	10mm	512	1850.2	24.48	24.50	1.000	0.12	0.921	0.925
	GSM1900_ANT 0B	GPRS (4 Tx slots)	Back	10mm	661	1880	24.32	24.50	1.000	0.04	0.942	0.982
	GSM1900_ANT 0B	GPRS (4 Tx slots)	Back	10mm	810	1909.8	24.42	24.50	1.000	-0.19	0.973	0.991
	GSM1900_ANT 0C	GPRS (4 Tx slots)	Front	10mm	512	1850.2	25.53	26.50	1.000	0.03	0.295	0.369
	GSM1900_ANT 0C	GPRS (4 Tx slots)	Back	10mm	512	1850.2	25.53	26.50	1.000	0.01	0.376	0.470
	GSM1900_ANT 0C	GPRS (4 Tx slots)	Back	10mm	661	1880	25.28	26.50	1.000	0.07	0.352	0.466
	GSM1900_ANT 0C	GPRS (4 Tx slots)	Back	10mm	810	1909.8	25.51	26.50	1.000	-0.12	0.414	0.520



<WCDMA SAR>

Standalone												
Plot No.	Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WCDMA II_ANT 1	RMC12.2Kbps	Front	10mm	9400	1880	22.1	23.00	1.230	-0.02	0.711	0.875
	WCDMA II_ANT 1	RMC12.2Kbps	Front	10mm	9262	1852.4	22.07	23.00	1.239	0.18	0.678	0.840
	WCDMA II_ANT 1	RMC12.2Kbps	Front	10mm	9538	1907.6	21.93	23.00	1.279	0.19	0.623	0.797
	WCDMA II_ANT 1	RMC12.2Kbps	Back	10mm	9400	1880	22.1	23.00	1.230	0.07	0.890	1.095
	WCDMA II_ANT 1	RMC12.2Kbps	Back	10mm	9262	1852.4	22.07	23.00	1.239	0.18	0.856	1.060
	WCDMA II_ANT 1	RMC12.2Kbps	Back	10mm	9538	1907.6	21.93	23.00	1.279	0.19	0.746	0.955
	WCDMA II_ANT 0B	RMC12.2Kbps	Front	10mm	9400	1880	20.58	22.50	1.556	-0.05	0.510	0.793
	WCDMA II_ANT 0B	RMC12.2Kbps	Back	10mm	9400	1880	20.58	22.50	1.556	0.01	0.547	0.851
	WCDMA II_ANT 0B	RMC12.2Kbps	Back	10mm	9262	1852.4	20.52	22.50	1.578	-0.18	0.633	0.999
50	WCDMA II_ANT 0B	RMC12.2Kbps	Back	10mm	9538	1907.6	20.53	22.50	1.574	-0.04	0.739	1.163
	WCDMA II_ANT 0C	RMC12.2Kbps	Front	10mm	9400	1880	22.67	24.50	1.524	0.03	0.215	0.328
	WCDMA II_ANT 0C	RMC12.2Kbps	Back	10mm	9400	1880	22.67	24.50	1.524	0.02	0.325	0.495
	WCDMA II_ANT 0C	RMC12.2Kbps	Back	10mm	9262	1852.4	22.59	24.50	1.552	0.02	0.385	0.598
	WCDMA II_ANT 0C	RMC12.2Kbps	Back	10mm	9538	1907.6	22.58	24.50	1.556	0.04	0.418	0.650
Simultaneous Transmission is active												
	WCDMA II_ANT 1	RMC12.2Kbps	Front	10mm	9400	1880	22.1	22.50	1.000	-0.02	0.711	0.780
	WCDMA II_ANT 1	RMC12.2Kbps	Back	10mm	9400	1880	22.1	22.50	1.000	0.07	0.890	0.976
	WCDMA II_ANT 1	RMC12.2Kbps	Back	10mm	9262	1852.4	22.07	22.50	1.000	0.18	0.856	0.945
	WCDMA II_ANT 1	RMC12.2Kbps	Back	10mm	9538	1907.6	21.93	22.50	1.000	0.19	0.746	0.851
	WCDMA II_ANT 0B	RMC12.2Kbps	Front	10mm	9400	1880	20.58	21.50	1.000	-0.05	0.510	0.630
	WCDMA II_ANT 0B	RMC12.2Kbps	Back	10mm	9400	1880	20.58	21.50	1.000	0.01	0.547	0.676
	WCDMA II_ANT 0B	RMC12.2Kbps	Back	10mm	9262	1852.4	20.42	21.50	1.000	-0.18	0.633	0.812
	WCDMA II_ANT 0B	RMC12.2Kbps	Back	10mm	9538	1907.6	20.43	21.50	1.000	-0.04	0.739	0.945
	WCDMA II_ANT 0C	RMC12.2Kbps	Front	10mm	9400	1880	22.67	24.50	1.000	0.03	0.215	0.328
	WCDMA II_ANT 0C	RMC12.2Kbps	Back	10mm	9400	1880	22.67	24.50	1.000	0.02	0.325	0.495
	WCDMA II_ANT 0C	RMC12.2Kbps	Back	10mm	9262	1852.4	22.59	24.50	1.000	0.02	0.385	0.598
	WCDMA II_ANT 0C	RMC12.2Kbps	Back	10mm	9538	1907.6	22.58	24.50	1.000	0.04	0.418	0.650



Standalone												
Plot No.	Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WCDMA IV_ANT 1	RMC12.2Kbps	Front	10mm	1413	1732.6	23.54	24.50	1.247	-0.12	0.582	0.727
	WCDMA IV_ANT 1	RMC12.2Kbps	Back	10mm	1413	1732.6	23.54	24.50	1.247	-0.04	0.737	0.919
51	WCDMA IV_ANT 1	RMC12.2Kbps	Back	10mm	1312	1712.4	23.42	24.50	1.282	0.04	0.842	1.080
	WCDMA IV_ANT 1	RMC12.2Kbps	Back	10mm	1513	1752.6	23.43	24.50	1.279	0.03	0.739	0.946
	WCDMA IV_ANT 0B	RMC12.2Kbps	Front	10mm	1413	1732.6	24.45	25.00	1.135	-0.11	0.527	0.598
	WCDMA IV_ANT 0B	RMC12.2Kbps	Back	10mm	1413	1732.6	24.45	25.00	1.135	-0.01	0.552	0.627
	WCDMA IV_ANT 0B	RMC12.2Kbps	Back	10mm	1312	1712.4	23.95	25.00	1.274	-0.08	0.443	0.564
	WCDMA IV_ANT 0B	RMC12.2Kbps	Back	10mm	1513	1752.6	24.35	25.00	1.161	0.01	0.475	0.552
	WCDMA IV_ANT 0C	RMC12.2Kbps	Front	10mm	1413	1732.6	24.45	25.00	1.135	0.04	0.278	0.316
	WCDMA IV_ANT 0C	RMC12.2Kbps	Back	10mm	1413	1732.6	24.45	25.00	1.135	0.03	0.373	0.423
	WCDMA IV_ANT 0C	RMC12.2Kbps	Back	10mm	1312	1712.4	23.95	25.00	1.274	-0.08	0.312	0.397
	WCDMA IV_ANT 0C	RMC12.2Kbps	Back	10mm	1513	1752.6	24.35	25.00	1.161	0.05	0.345	0.401
Simultaneous Transmission is active												
	WCDMA IV_ANT 1	RMC12.2Kbps	Front	10mm	1413	1732.6	23.54	24.00	1.000	-0.12	0.582	0.648
	WCDMA IV_ANT 1	RMC12.2Kbps	Back	10mm	1413	1732.6	23.54	24.00	1.000	-0.04	0.737	0.819
	WCDMA IV_ANT 1	RMC12.2Kbps	Back	10mm	1312	1712.4	23.42	24.00	1.000	0.04	0.842	0.962
	WCDMA IV_ANT 1	RMC12.2Kbps	Back	10mm	1513	1752.6	23.43	24.00	1.000	0.03	0.739	0.843
	WCDMA IV_ANT 0B	RMC12.2Kbps	Front	10mm	1413	1732.6	24.45	25.00	1.000	-0.11	0.527	0.598
	WCDMA IV_ANT 0B	RMC12.2Kbps	Back	10mm	1413	1732.6	24.45	25.00	1.000	-0.01	0.552	0.627
	WCDMA IV_ANT 0B	RMC12.2Kbps	Back	10mm	1312	1712.4	23.95	25.00	1.000	-0.08	0.443	0.564
	WCDMA IV_ANT 0B	RMC12.2Kbps	Back	10mm	1513	1752.6	24.35	25.00	1.000	0.01	0.475	0.552
	WCDMA IV_ANT 0C	RMC12.2Kbps	Front	10mm	1413	1732.6	24.45	25.00	1.000	0.04	0.278	0.316
	WCDMA IV_ANT 0C	RMC12.2Kbps	Back	10mm	1413	1732.6	24.45	25.00	1.000	0.03	0.373	0.423
	WCDMA IV_ANT 0C	RMC12.2Kbps	Back	10mm	1312	1712.4	23.95	25.00	1.000	-0.08	0.312	0.397
	WCDMA IV_ANT 0C	RMC12.2Kbps	Back	10mm	1513	1752.6	24.35	25.00	1.000	0.05	0.345	0.401



Standalone												
Plot No.	Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	WCDMA V_ANT 1	RMC12.2Kbps	Front	10mm	4182	836.4	24.25	25.00	1.189	0.09	0.318	0.378
	WCDMA V_ANT 1	RMC12.2Kbps	Back	10mm	4182	836.4	24.25	25.00	1.189	0.03	0.576	0.685
	WCDMA V_ANT 1	RMC12.2Kbps	Back	10mm	4233	846.6	24.15	25.00	1.216	0.02	0.552	0.671
	WCDMA V_ANT 1	RMC12.2Kbps	Back	10mm	4132	4357	24.17	25.00	1.211	0.01	0.548	0.663
	WCDMA V_ANT 0C	RMC12.2Kbps	Front	10mm	4182	836.4	21.8	23.00	1.318	0.02	0.675	0.890
	WCDMA V_ANT 0C	RMC12.2Kbps	Back	10mm	4182	836.4	21.8	23.00	1.318	0.03	0.792	1.044
52	WCDMA V_ANT 0C	RMC 12.2Kbps	Back	10mm	4233	846.6	21.75	23.00	1.334	-0.01	0.839	1.119
	WCDMA V_ANT 0C	RMC12.2Kbps	Back	10mm	4132	4357	21.77	23.00	1.327	0.18	0.811	1.077
Simultaneous Transmission is active												
	WCDMA V_ANT 1	RMC12.2Kbps	Front	10mm	4182	836.4	24.25	25.00	1.000	0.09	0.318	0.378
	WCDMA V_ANT 1	RMC12.2Kbps	Back	10mm	4182	836.4	24.25	25.00	1.000	0.03	0.576	0.685
	WCDMA V_ANT 1	RMC12.2Kbps	Back	10mm	4233	846.6	24.15	25.00	1.000	0.02	0.552	0.671
	WCDMA V_ANT 1	RMC12.2Kbps	Back	10mm	4132	4357	24.17	25.00	1.000	0.01	0.548	0.663
	WCDMA V_ANT 0C	RMC12.2Kbps	Front	10mm	4182	836.4	21.8	22.50	1.000	0.02	0.675	0.793
	WCDMA V_ANT 0C	RMC12.2Kbps	Back	10mm	4182	836.4	21.8	22.50	1.000	0.03	0.792	0.931
	WCDMA V_ANT 0C	RMC 12.2Kbps	Back	10mm	4233	846.6	21.75	22.50	1.000	-0.01	0.839	0.997
	WCDMA V_ANT 0C	RMC12.2Kbps	Back	10mm	4132	4357	21.77	22.50	1.000	0.18	0.811	0.959

<CDMA SAR>

Standalone												
Plot No.	Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	CDMA BC0_ANT 1	1xRTT RC3 SO32	Front	10mm	1013	824.7	24.32	25.00	1.169	0.08	0.310	0.363
	CDMA BC0_ANT 1	1xRTT RC3 SO32	Back	10mm	1013	824.7	24.32	25.00	1.169	-0.01	0.358	0.419
	CDMA BC0_ANT 1	1xRTT RC3 SO32	Back	10mm	777	848.31	24.24	25.00	1.191	0.02	0.321	0.382
	CDMA BC0_ANT 1	1xRTT RC3 SO32	Back	10mm	384	836.52	24.06	25.00	1.242	0.09	0.331	0.411
	CDMA BC0_ANT 0C	1xRTT RC3 SO32	Front	10mm	1013	824.7	23.28	24.00	1.180	0.03	0.851	1.004
	CDMA BC0_ANT 0C	1xRTT RC3 SO32	Front	10mm	777	848.31	23.17	24.00	1.211	0.03	0.865	1.047
	CDMA BC0_ANT 0C	1xRTT RC3 SO32	Front	10mm	384	836.52	23.16	24.00	1.213	0.03	0.815	0.989
	CDMA BC0_ANT 0C	1xRTT RC3 SO32	Back	10mm	1013	824.7	23.29	24.00	1.178	0.02	0.885	1.042
53	CDMA BC0_ANT 0C	1xRTT RC3 SO32	Back	10mm	777	848.31	23.17	24.00	1.211	-0.05	0.921	1.115
	CDMA BC0_ANT 0C	1xRTT RC3 SO32	Back	10mm	384	836.52	23.16	24.00	1.213	0.01	0.911	1.105
Simultaneous Transmission is active												
	CDMA BC0_ANT 1	1xRTT RC3 SO32	Front	10mm	1013	824.7	24.32	25.00	1.000	0.08	0.310	0.363
	CDMA BC0_ANT 1	1xRTT RC3 SO32	Back	10mm	1013	824.7	24.32	25.00	1.000	-0.01	0.358	0.419
	CDMA BC0_ANT 1	1xRTT RC3 SO32	Back	10mm	777	848.31	24.24	25.00	1.000	0.02	0.321	0.382
	CDMA BC0_ANT 1	1xRTT RC3 SO32	Back	10mm	384	836.52	24.06	25.00	1.000	0.09	0.331	0.411
	CDMA BC0_ANT 0C	1xRTT RC3 SO32	Front	10mm	1013	824.7	23.28	23.50	1.000	0.03	0.851	0.895
	CDMA BC0_ANT 0C	1xRTT RC3 SO32	Front	10mm	777	848.31	23.17	23.50	1.000	0.03	0.865	0.933
	CDMA BC0_ANT 0C	1xRTT RC3 SO32	Front	10mm	384	836.52	23.16	23.50	1.000	0.03	0.815	0.881
	CDMA BC0_ANT 0C	1xRTT RC3 SO32	Back	10mm	1013	824.7	23.29	23.50	1.000	0.02	0.885	0.929
	CDMA BC0_ANT 0C	1xRTT RC3 SO32	Back	10mm	777	848.31	23.17	23.50	1.000	-0.05	0.921	0.994
	CDMA BC0_ANT 0C	1xRTT RC3 SO32	Back	10mm	384	836.52	23.16	23.50	1.000	0.01	0.911	0.985



Standalone												
Plot No.	Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	CDMA BC1_ANT 1	1xRTT RC3 SO32	Front	10mm	600	1880	22.32	23.00	1.169	0.09	0.772	0.903
	CDMA BC1_ANT 1	1xRTT RC3 SO32	Front	10mm	25	1851.25	22.29	23.00	1.178	0.12	0.743	0.875
	CDMA BC1_ANT 1	1xRTT RC3 SO32	Front	10mm	1175	1908.75	22.23	23.00	1.194	-0.05	0.751	0.897
	CDMA BC1_ANT 1	1xRTT RC3 SO32	Back	10mm	600	1880	22.32	23.00	1.169	0.04	0.834	0.975
	CDMA BC1_ANT 1	1xRTT RC3 SO32	Back	10mm	25	1851.25	22.29	23.00	1.178	-0.1	0.774	0.911
54	CDMA BC1_ANT 1	1xRTT RC3 SO32	Back	10mm	1175	1908.75	22.23	23.00	1.194	0.1	0.907	1.083
	CDMA BC1_ANT 0B	1xRTT RC3 SO32	Front	10mm	25	1851.25	21.28	22.50	1.324	0.03	0.575	0.761
	CDMA BC1_ANT 0B	1xRTT RC3 SO32	Back	10mm	600	1880	21.25	22.50	1.334	0.08	0.591	0.788
	CDMA BC1_ANT 0B	1xRTT RC3 SO32	Back	10mm	1175	1908.75	21.23	22.50	1.340	-0.03	0.613	0.821
	CDMA BC1_ANT 0B	1xRTT RC3 SO32	Back	10mm	25	1851.25	21.28	22.50	1.324	0.14	0.752	0.996
	CDMA BC1_ANT 0B	1xRTT RC3 SO32	Back	10mm	600	1880	21.25	22.50	1.334	0.08	0.784	1.045
	CDMA BC1_ANT 0B	1xRTT RC3 SO32	Back	10mm	1175	1908.75	21.23	22.50	1.340	-0.03	0.802	1.074
	CDMA BC1_ANT 0C	1xRTT RC3 SO32	Front	10mm	25	1851.25	24.67	25.00	1.079	0.01	0.441	0.476
	CDMA BC1_ANT 0C	1xRTT RC3 SO32	Back	10mm	25	1851.25	24.67	25.00	1.079	-0.08	0.507	0.547
	CDMA BC1_ANT 0C	1xRTT RC3 SO32	Back	10mm	600	1880	24.63	25.00	1.089	-0.11	0.655	0.713
	CDMA BC1_ANT 0C	1xRTT RC3 SO32	Back	10mm	1175	1908.75	24.58	25.00	1.102	-0.06	0.699	0.770

Simultaneous Transmission is active												
Plot No.	Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	CDMA BC1_ANT 1	1xRTT RC3 SO32	Front	10mm	600	1880	22.32	22.50	1.000	0.09	0.772	0.805
	CDMA BC1_ANT 1	1xRTT RC3 SO32	Front	10mm	25	1851.25	22.29	22.50	1.000	0.12	0.743	0.780
	CDMA BC1_ANT 1	1xRTT RC3 SO32	Front	10mm	1175	1908.75	22.23	22.50	1.000	-0.05	0.751	0.799
	CDMA BC1_ANT 1	1xRTT RC3 SO32	Back	10mm	600	1880	22.32	22.50	1.000	0.04	0.834	0.869
	CDMA BC1_ANT 1	1xRTT RC3 SO32	Back	10mm	25	1851.25	22.29	22.50	1.000	-0.1	0.774	0.812
	CDMA BC1_ANT 1	1xRTT RC3 SO32	Back	10mm	1175	1908.75	22.23	22.50	1.000	0.1	0.907	0.965
	CDMA BC1_ANT 0B	1xRTT RC3 SO32	Front	10mm	25	1851.25	21.18	22.00	1.000	0.03	0.575	0.694
	CDMA BC1_ANT 0B	1xRTT RC3 SO32	Back	10mm	25	1851.25	21.18	22.00	1.000	0.14	0.752	0.908
	CDMA BC1_ANT 0B	1xRTT RC3 SO32	Back	10mm	600	1880	21.15	22.00	1.000	0.08	0.784	0.953
	CDMA BC1_ANT 0B	1xRTT RC3 SO32	Back	10mm	1175	1908.75	21.1	22.00	1.000	-0.03	0.802	0.987
	CDMA BC1_ANT 0C	1xRTT RC3 SO32	Front	10mm	25	1851.25	24.67	25.00	1.000	0.01	0.441	0.476
	CDMA BC1_ANT 0C	1xRTT RC3 SO32	Back	10mm	25	1851.25	24.67	25.00	1.000	-0.08	0.507	0.547
	CDMA BC1_ANT 0C	1xRTT RC3 SO32	Back	10mm	600	1880	24.63	25.00	1.000	-0.11	0.655	0.713
	CDMA BC1_ANT 0C	1xRTT RC3 SO32	Back	10mm	1175	1908.75	24.58	25.00	1.000	-0.06	0.699	0.770

Standalone / Simultaneous Transmission is active												
Plot No.	Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	CDMA BC10_ANT 1	1xRTT RC3 SO32	Front	10mm	476	817.9	24.61	25.00	1.094	0.03	0.205	0.224
	CDMA BC10_ANT 1	1xRTT RC3 SO32	Back	10mm	476	817.9	24.61	25.00	1.094	-0.02	0.229	0.251
	CDMA BC10_ANT 1	1xRTT RC3 SO32	Back	10mm	580	820.5	24.59	25.00	1.099	0.08	0.219	0.241
	CDMA BC10_ANT 1	1xRTT RC3 SO32	Back	10mm	684	823.1	24.54	25.00	1.112	0.02	0.208	0.231
	CDMA BC10_ANT 0C	1xRTT RC3 SO32	Front	10mm	476	817.9	24.61	25.00	1.094	-0.06	0.724	0.792
	CDMA BC10_ANT 0C	1xRTT RC3 SO32	Back	10mm	476	817.9	24.61	25.00	1.094	0.02	0.828	0.906
	CDMA BC10_ANT 0C	1xRTT RC3 SO32	Back	10mm	580	820.5	24.59	25.00	1.099	0.08	0.854	0.939
55	CDMA BC10_ANT 0C	1xRTT RC3 SO32	Back	10mm	684	823.1	24.54	25.00	1.112	-0.05	0.884	0.983



<FDD LTE SAR>

Standalone															
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 7_ANT 1	20M	QPSK	1	0	Front	10mm	20850	2510	22.89	23.50	1.151	-0.15	0.775	0.892
	LTE Band 7_ANT 1	20M	QPSK	50	0	Front	10mm	20850	2510	22.8	23.50	1.175	0.02	0.719	0.845
	LTE Band 7_ANT 1	20M	QPSK	1	0	Back	10mm	20850	2510	22.89	23.50	1.151	0.06	0.840	0.967
56	LTE Band 7_ANT 1	20M	QPSK	1	0	Back	10mm	21100	2535	22.74	23.50	1.191	-0.07	0.912	1.086
	LTE Band 7_ANT 1	20M	QPSK	1	0	Back	10mm	21350	2560	22.79	23.50	1.178	0.03	0.788	0.928
	LTE Band 7_ANT 1	20M	QPSK	50	0	Back	10mm	20850	2510	22.8	23.50	1.175	0.02	0.752	0.884
	LTE Band 7_ANT 1	20M	QPSK	100	0	Back	10mm	20850	2510	22.79	23.50	1.178	0.01	0.714	0.841
	LTE Band 7_ANT 0B	20M	QPSK	1	0	Front	10mm	20850	2510	22.25	22.50	1.059	0.03	0.722	0.765
	LTE Band 7_ANT 0B	20M	QPSK	50	0	Front	10mm	20850	2510	22.15	22.50	1.084	0.02	0.698	0.757
	LTE Band 7_ANT 0B	20M	QPSK	1	0	Back	10mm	20850	2510	22.25	22.50	1.059	0.08	0.821	0.870
	LTE Band 7_ANT 0B	20M	QPSK	1	0	Back	10mm	21100	2535	22.2	22.50	1.072	0.04	0.846	0.907
	LTE Band 7_ANT 0B	20M	QPSK	1	0	Back	10mm	21350	2560	22.02	22.50	1.117	0.03	0.788	0.880
	LTE Band 7_ANT 0B	20M	QPSK	50	0	Back	10mm	20850	2510	22.15	22.50	1.084	0.02	0.811	0.879
	LTE Band 7_ANT 0B	20M	QPSK	50	0	Back	10mm	21100	2535	22.05	22.50	1.109	0.01	0.812	0.901
	LTE Band 7_ANT 0B	20M	QPSK	50	0	Back	10mm	21350	2560	22.09	22.50	1.099	0.08	0.792	0.870
	LTE Band 7_ANT 0B	20M	QPSK	100	0	Back	10mm	20850	2510	22	22.50	1.122	0.09	0.798	0.895
Simultaneous Transmission is active															
	LTE Band 7_ANT 1	20M	QPSK	1	0	Front	10mm	20850	2510	22.39	22.50	1.026	-0.15	0.775	0.795
	LTE Band 7_ANT 1	20M	QPSK	50	0	Front	10mm	20850	2510	22.3	22.50	1.047	0.02	0.719	0.753
	LTE Band 7_ANT 1	20M	QPSK	1	0	Back	10mm	20850	2510	22.39	22.50	1.026	0.06	0.840	0.862
	LTE Band 7_ANT 1	20M	QPSK	1	0	Back	10mm	21100	2535	22.24	22.50	1.062	-0.07	0.812	0.862
	LTE Band 7_ANT 1	20M	QPSK	1	0	Back	10mm	21350	2560	22.29	22.50	1.050	0.03	0.788	0.827
	LTE Band 7_ANT 1	20M	QPSK	50	0	Back	10mm	20850	2510	22.3	22.50	1.047	0.02	0.752	0.787
	LTE Band 7_ANT 1	20M	QPSK	100	0	Back	10mm	20850	2510	22.29	22.50	1.050	0.01	0.714	0.750
	LTE Band 7_ANT 0B	20M	QPSK	1	0	Front	10mm	20850	2510	22.25	22.50	1.059	0.03	0.722	0.765
	LTE Band 7_ANT 0B	20M	QPSK	50	0	Front	10mm	20850	2510	22.15	22.50	1.084	0.02	0.698	0.757
	LTE Band 7_ANT 0B	20M	QPSK	1	0	Back	10mm	20850	2510	22.25	22.50	1.059	0.08	0.821	0.870
	LTE Band 7_ANT 0B	20M	QPSK	1	0	Back	10mm	21100	2535	22.2	22.50	1.072	0.04	0.846	0.907
	LTE Band 7_ANT 0B	20M	QPSK	1	0	Back	10mm	21350	2560	22.02	22.50	1.117	0.03	0.788	0.880
	LTE Band 7_ANT 0B	20M	QPSK	50	0	Back	10mm	20850	2510	22.15	22.50	1.084	0.02	0.811	0.879
	LTE Band 7_ANT 0B	20M	QPSK	50	0	Back	10mm	21100	2535	22.05	22.50	1.109	0.01	0.812	0.901
	LTE Band 7_ANT 0B	20M	QPSK	50	0	Back	10mm	21350	2560	22.09	22.50	1.099	0.08	0.792	0.870
	LTE Band 7_ANT 0B	20M	QPSK	100	0	Back	10mm	20850	2510	22	22.50	1.122	0.09	0.798	0.895

Standalone / Simultaneous Transmission is active															
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 12_ANT 1	10M	QPSK	1	49	Front	10mm	23095	707.5	24.52	25.00	1.117	-0.03	0.234	0.261
	LTE Band 12_ANT 1	10M	QPSK	25	0	Front	10mm	23095	707.5	23.62	24.00	1.091	0.08	0.121	0.132
	LTE Band 12_ANT 1	10M	QPSK	1	49	Back	10mm	23095	707.5	24.52	25.00	1.117	0.02	0.186	0.208
	LTE Band 12_ANT 1	10M	QPSK	25	0	Back	10mm	23095	707.5	23.62	24.00	1.091	0.01	0.108	0.118
	LTE Band 12_ANT 0C	10M	QPSK	1	49	Front	10mm	23095	707.5	24.52	25.00	1.117	0.01	0.300	0.335
	LTE Band 12_ANT 0C	10M	QPSK	25	0	Front	10mm	23095	707.5	23.62	24.00	1.091	0.07	0.243	0.265
57	LTE Band 12_ANT 0C	10M	QPSK	1	49	Back	10mm	23095	707.5	24.52	25.00	1.117	-0.03	0.344	0.384
	LTE Band 12_ANT 0C	10M	QPSK	25	0	Back	10mm	23095	750	23.62	24.00	1.091	-0.01	0.275	0.300



Standalone / Simultaneous Transmission is active															
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 13_ANT 1	10M	QPSK	1	25	Front	10mm	23230	782	24.39	25.00	1.151	0.04	0.317	0.365
	LTE Band 13_ANT 1	10M	QPSK	25	0	Front	10mm	23230	782	23.55	24.00	1.109	0.02	0.201	0.223
	LTE Band 13_ANT 1	10M	QPSK	1	25	Back	10mm	23230	782	24.39	25.00	1.151	0.01	0.217	0.250
	LTE Band 13_ANT 1	10M	QPSK	25	0	Back	10mm	23230	782	23.55	24.00	1.109	0.08	0.161	0.179
	LTE Band 13_ANT 0C	10M	QPSK	1	25	Front	10mm	23230	782	24.39	25.00	1.151	0.08	0.490	0.564
	LTE Band 13_ANT 0C	10M	QPSK	25	0	Front	10mm	23230	782	23.55	24.00	1.109	0.05	0.403	0.447
58	LTE Band 13_ANT 0C	10M	QPSK	1	25	Back	10mm	23230	782	24.39	25.00	1.151	-0.01	0.821	0.945
	LTE Band 13_ANT 0C	10M	QPSK	25	0	Back	10mm	23230	782	23.55	24.00	1.109	0	0.673	0.746
	LTE Band 13_ANT 0C	10M	QPSK	50	0	Back	10mm	23230	782	23.52	24.00	1.117	0	0.665	0.743

Standalone / Simultaneous Transmission is active															
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 14_ANT 1	10M	QPSK	1	0	Front	10mm	23330	793	24.7	25.00	1.072	0.15	0.354	0.379
	LTE Band 14_ANT 1	10M	QPSK	25	0	Front	10mm	23330	793	23.57	24.00	1.104	0.14	0.278	0.307
	LTE Band 14_ANT 1	10M	QPSK	1	25	Back	10mm	23330	793	24.7	25.00	1.072	0.1	0.199	0.213
	LTE Band 14_ANT 1	10M	QPSK	25	0	Back	10mm	23330	793	23.57	24.00	1.104	0.07	0.150	0.166
	LTE Band 14_ANT 0C	10M	QPSK	1	0	Front	10mm	23330	793	24.7	25.00	1.072	0.15	0.513	0.550
	LTE Band 14_ANT 0C	10M	QPSK	25	0	Front	10mm	23330	793	23.57	24.00	1.104	0.08	0.395	0.436
59	LTE Band 14_ANT 0C	10M	QPSK	1	0	Back	10mm	23330	793	24.7	25.00	1.072	0	0.913	0.978
	LTE Band 14_ANT 0C	10M	QPSK	25	0	Back	10mm	23330	793	23.57	24.00	1.104	-0.01	0.699	0.772
	LTE Band 14_ANT 0C	10M	QPSK	50	0	Back	10mm	23330	793	23.52	24.00	1.117	-0.01	0.685	0.765



Standalone															
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 25_ANT 1	20M	QPSK	1	0	Front	10mm	26340	1880	24.32	24.50	1.042	-0.12	0.622	0.648
	LTE Band 25_ANT 1	20M	QPSK	50	50	Front	10mm	26340	1880	23.46	23.50	1.009	0.05	0.605	0.611
	LTE Band 25_ANT 1	20M	QPSK	1	0	Back	10mm	26340	1880	24.32	24.50	1.042	0.18	0.685	0.714
	LTE Band 25_ANT 1	20M	QPSK	50	50	Back	10mm	26340	1880	23.46	23.50	1.009	0.03	0.655	0.661
	LTE Band 25_ANT 0B	20M	QPSK	1	0	Front	10mm	26140	1860	22.52	23.50	1.253	0.02	0.635	0.796
	LTE Band 25_ANT 0B	20M	QPSK	50	24	Front	10mm	26140	1860	22.44	23.50	1.276	0.09	0.615	0.785
	LTE Band 25_ANT 0B	20M	QPSK	1	0	Back	10mm	26140	1860	22.52	23.50	1.253	0.03	0.782	0.980
	LTE Band 25_ANT 0B	20M	QPSK	1	0	Back	10mm	26340	1880	22.39	23.50	1.291	0.03	0.825	1.065
60	LTE Band 25_ANT 0B	20M	QPSK	1	0	Back	10mm	26590	1905	22.49	23.50	1.262	0.03	0.888	1.121
	LTE Band 25_ANT 0B	20M	QPSK	50	24	Back	10mm	26140	1860	22.44	23.50	1.276	0.03	0.752	0.960
	LTE Band 25_ANT 0B	20M	QPSK	50	24	Back	10mm	26340	1880	22.38	23.50	1.294	0.03	0.813	1.052
	LTE Band 25_ANT 0B	20M	QPSK	50	24	Back	10mm	26590	1905	22.42	23.50	1.282	0.03	0.865	1.109
	LTE Band 25_ANT 0B	20M	QPSK	100	0	Back	10mm	26140	1860	22.42	23.50	1.282	0.03	0.782	1.003
	LTE Band 25_ANT 0C	20M	QPSK	1	0	Front	10mm	26140	1860	24.96	25.00	1.009	0.03	0.544	0.549
	LTE Band 25_ANT 0C	20M	QPSK	50	24	Front	10mm	26140	1860	24	24.00	1.000	0.07	0.435	0.435
	LTE Band 25_ANT 0C	20M	QPSK	1	0	Back	10mm	26140	1860	24.96	25.00	1.009	-0.12	0.606	0.612
	LTE Band 25_ANT 0C	20M	QPSK	1	0	Back	10mm	26340	1880	24.93	25.00	1.016	-0.02	0.624	0.634
	LTE Band 25_ANT 0C	20M	QPSK	1	0	Back	10mm	26590	1905	24.87	25.00	1.030	0.11	0.675	0.696
	LTE Band 25_ANT 0C	20M	QPSK	50	24	Back	10mm	26140	1860	24	24.00	1.000	0.03	0.485	0.485
Simultaneous Transmission is active															
	LTE Band 25_ANT 1	20M	QPSK	1	0	Front	10mm	26140	1860	24.32	24.50	1.042	-0.05	0.622	0.648
	LTE Band 25_ANT 1	20M	QPSK	50	24	Front	10mm	26140	1860	23.46	23.50	1.009	0.12	0.605	0.611
	LTE Band 25_ANT 1	20M	QPSK	1	0	Back	10mm	26140	1860	24.32	24.50	1.042	-0.03	0.685	0.714
	LTE Band 25_ANT 1	20M	QPSK	50	24	Back	10mm	26140	1860	23.46	23.50	1.009	-0.12	0.655	0.661
	LTE Band 25_ANT 0B	20M	QPSK	1	0	Front	10mm	26140	1860	22.52	23.00	1.117	0.02	0.635	0.709
	LTE Band 25_ANT 0B	20M	QPSK	50	24	Front	10mm	26140	1860	22.44	23.00	1.138	0.09	0.615	0.700
	LTE Band 25_ANT 0B	20M	QPSK	1	0	Back	10mm	26140	1860	22.52	23.00	1.117	0.03	0.782	0.873
	LTE Band 25_ANT 0B	20M	QPSK	1	0	Back	10mm	26340	1880	22.39	23.00	1.151	0.03	0.825	0.949
	LTE Band 25_ANT 0B	20M	QPSK	1	0	Back	10mm	26590	1905	22.49	23.00	1.125	0.03	0.888	0.999
	LTE Band 25_ANT 0B	20M	QPSK	50	24	Back	10mm	26140	1860	22.44	23.00	1.138	0.03	0.752	0.855
	LTE Band 25_ANT 0B	20M	QPSK	50	24	Back	10mm	26340	1880	22.38	23.00	1.153	0.03	0.813	0.938
	LTE Band 25_ANT 0B	20M	QPSK	50	24	Back	10mm	26590	1905	22.42	23.00	1.143	0.03	0.865	0.989
	LTE Band 25_ANT 0B	20M	QPSK	100	0	Back	10mm	26140	1860	22.42	23.00	1.143	0.03	0.782	0.894
	LTE Band 25_ANT 0C	20M	QPSK	1	0	Front	10mm	26140	1860	24.96	25.00	1.009	0.03	0.544	0.549
	LTE Band 25_ANT 0C	20M	QPSK	50	24	Front	10mm	26140	1860	24	24.00	1.000	0.07	0.435	0.435
	LTE Band 25_ANT 0C	20M	QPSK	1	0	Back	10mm	26140	1860	24.96	25.00	1.009	-0.12	0.606	0.612
	LTE Band 25_ANT 0C	20M	QPSK	1	0	Back	10mm	26340	1880	24.93	25.00	1.016	-0.02	0.624	0.634
	LTE Band 25_ANT 0C	20M	QPSK	1	0	Back	10mm	26590	1905	24.87	25.00	1.030	0.11	0.675	0.696
	LTE Band 25_ANT 0C	20M	QPSK	50	24	Back	10mm	26140	1860	24	24.00	1.000	0.03	0.485	0.485



Standalone															
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 26_ANT 1	15M	QPSK	1	0	Front	10mm	26865	831.5	24.46	25.00	1.132	-0.05	0.461	0.522
	LTE Band 26_ANT 1	15M	QPSK	36	0	Front	10mm	26865	831.5	23.55	24.00	1.109	0.08	0.385	0.427
	LTE Band 26_ANT 1	15M	QPSK	1	0	Back	10mm	26865	831.5	24.46	25.00	1.132	-0.01	0.458	0.519
	LTE Band 26_ANT 1	15M	QPSK	36	0	Back	10mm	26865	831.5	23.55	24.00	1.109	0.02	0.362	0.402
	LTE Band 5B_ANT 1	10M	QPSK	1	0	Front	10mm	20575	836.5	23.22	25.00	1.507	-0.05	0.271	0.408
	LTE Band 26_ANT 0C	15M	QPSK	1	0	Front	10mm	26865	831.5	23.11	24.50	1.377	0.03	0.765	1.054
	LTE Band 26_ANT 0C	15M	QPSK	36	0	Front	10mm	26865	831.5	22.15	23.50	1.365	0.08	0.655	0.894
	LTE Band 26_ANT 0C	15M	QPSK	75	0	Front	10mm	26865	831.5	22.13	23.50	1.371	0.08	0.631	0.865
61	LTE Band 26_ANT 0C	15M	QPSK	1	0	Back	10mm	26865	831.5	23.11	24.50	1.377	-0.02	0.855	1.178
	LTE Band 26_ANT 0C	15M	QPSK	36	0	Back	10mm	26865	831.5	22.15	23.50	1.365	0.015	0.758	1.034
	LTE Band 26_ANT 0C	15M	QPSK	75	0	Back	10mm	26865	831.5	22.13	23.50	1.371	0.015	0.761	1.043
	LTE Band 5B_ANT 0C	10M	QPSK	1	0	Back	10mm	20525	836.5	22.9	24.50	1.445	0	0.803	1.161
Simultaneous Transmission is active															
	LTE Band 26_ANT 1	15M	QPSK	1	0	Front	10mm	26865	831.5	24.46	25.00	1.132	-0.05	0.461	0.522
	LTE Band 26_ANT 1	15M	QPSK	36	0	Front	10mm	26865	831.5	23.55	24.00	1.109	0.08	0.385	0.427
	LTE Band 26_ANT 1	15M	QPSK	1	0	Back	10mm	26865	831.5	24.46	25.00	1.132	-0.01	0.458	0.519
	LTE Band 26_ANT 1	15M	QPSK	36	0	Back	10mm	26865	831.5	23.55	24.00	1.109	0.02	0.362	0.402
	LTE Band 5B_ANT 1	10M	QPSK	1	0	Front	10mm	20575	836.5	23.22	25.00	1.507	-0.05	0.271	0.408
	LTE Band 26_ANT 0C	15M	QPSK	1	0	Front	10mm	26865	831.5	23.11	23.50	1.094	0.03	0.765	0.837
	LTE Band 26_ANT 0C	15M	QPSK	36	0	Front	10mm	26865	831.5	22.15	22.50	1.084	0.08	0.655	0.710
	LTE Band 26_ANT 0C	15M	QPSK	75	0	Front	10mm	26865	831.5	22.13	22.50	1.089	0.08	0.631	0.687
	LTE Band 26_ANT 0C	15M	QPSK	1	0	Back	10mm	26865	831.5	23.11	23.50	1.094	-0.02	0.855	0.935
	LTE Band 26_ANT 0C	15M	QPSK	36	0	Back	10mm	26865	831.5	22.15	22.50	1.084	0.015	0.758	0.822
	LTE Band 26_ANT 0C	15M	QPSK	75	0	Back	10mm	26865	831.5	22.13	22.50	1.089	0.015	0.761	0.829
	LTE Band 5B_ANT 0C	10M	QPSK	1	0	Back	10mm	20525	836.5	22.9	24.50	1.445	0	0.803	1.161



Standalone															
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 30_ANT 0B	10M	QPSK	1	0	Front	10mm	27710	2310	21.89	22.50	1.151	-0.15	0.411	0.473
	LTE Band 30_ANT 0B	10M	QPSK	25	0	Front	10mm	27710	2310	20.87	21.50	1.156	0.12	0.358	0.414
	LTE Band 30_ANT 0B	10M	QPSK	1	0	Back	10mm	27710	2310	21.89	22.50	1.151	-0.09	0.612	0.704
	LTE Band 30_ANT 0B	10M	QPSK	25	0	Back	10mm	27710	2310	20.87	21.50	1.156	-0.08	0.580	0.671
	LTE Band 30_ANT 0C	10M	QPSK	1	0	Front	10mm	27710	2310	23.81	24.50	1.172	-0.02	0.468	0.548
	LTE Band 30_ANT 0C	10M	QPSK	25	0	Front	10mm	27710	2310	22.88	23.50	1.153	0.15	0.374	0.432
	LTE Band 30_ANT 0C	10M	QPSK	1	0	Back	10mm	27710	2310	23.81	24.50	1.172	0.01	0.639	0.749
	LTE Band 30_ANT 0C	10M	QPSK	25	0	Back	10mm	27710	2310	22.88	23.50	1.153	-0.08	0.511	0.590
	LTE Band 30_ANT 1	10M	QPSK	1	0	Front	10mm	27710	2310	23.78	24.50	1.180	-0.02	0.910	1.074
	LTE Band 30_ANT 1	10M	QPSK	25	0	Front	10mm	27710	2310	22.87	23.50	1.156	0.12	0.728	0.842
	LTE Band 30_ANT 1	10M	QPSK	50	0	Front	10mm	27710	2310	22.78	23.50	1.180	0.12	0.721	0.851
62	LTE Band 30_ANT 1	10M	QPSK	1	0	Back	10mm	27710	2310	23.78	24.50	1.180	-0.06	0.948	1.119
	LTE Band 30_ANT 1	10M	QPSK	25	0	Back	10mm	27710	2310	22.87	23.50	1.156	0.07	0.758	0.877
	LTE Band 30_ANT 1	10M	QPSK	50	0	Back	10mm	27710	2310	22.78	23.50	1.180	-0.15	0.720	0.850
Simultaneous Transmission is active															
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 30_ANT 0B	10M	QPSK	1	0	Front	10mm	27710	2310	21.89	22.50	1.151	-0.15	0.411	0.473
	LTE Band 30_ANT 0B	10M	QPSK	25	0	Front	10mm	27710	2310	20.87	21.50	1.156	0.12	0.358	0.414
	LTE Band 30_ANT 0B	10M	QPSK	1	0	Back	10mm	27710	2310	21.89	22.50	1.151	-0.09	0.612	0.704
	LTE Band 30_ANT 0B	10M	QPSK	25	0	Back	10mm	27710	2310	20.87	21.50	1.156	-0.08	0.580	0.671
	LTE Band 30_ANT 0C	10M	QPSK	1	0	Front	10mm	27710	2310	23.81	24.50	1.172	-0.02	0.468	0.548
	LTE Band 30_ANT 0C	10M	QPSK	25	0	Front	10mm	27710	2310	22.88	23.50	1.153	0.15	0.374	0.432
	LTE Band 30_ANT 0C	10M	QPSK	1	0	Back	10mm	27710	2310	23.81	24.50	1.172	0.01	0.639	0.749
	LTE Band 30_ANT 0C	10M	QPSK	25	0	Back	10mm	27710	2310	22.88	23.50	1.153	-0.08	0.511	0.590
	LTE Band 30_ANT 1	10M	QPSK	1	0	Front	10mm	27710	2310	23.78	24.00	1.052	-0.02	0.910	0.958
	LTE Band 30_ANT 1	10M	QPSK	25	0	Front	10mm	27710	2310	22.87	23.00	1.030	0.12	0.728	0.750
	LTE Band 30_ANT 1	10M	QPSK	50	0	Front	10mm	27710	2310	22.78	23.00	1.052	0.12	0.721	0.758
	LTE Band 30_ANT 1	10M	QPSK	1	0	Back	10mm	27710	2310	23.78	24.00	1.052	-0.06	0.948	0.997
	LTE Band 30_ANT 1	10M	QPSK	25	0	Back	10mm	27710	2310	22.87	23.00	1.030	0.07	0.758	0.781
	LTE Band 30_ANT 1	10M	QPSK	50	0	Back	10mm	27710	2310	22.78	23.00	1.052	-0.15	0.720	0.758



Standalone															
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 66_ANT 0C	20M	QPSK	1	0	Front	10mm	132572	1770	24.83	25.00	1.040	0.08	0.278	0.289
	LTE Band 66_ANT 0C	20M	QPSK	50	0	Front	10mm	132572	1770	23.96	24.00	1.009	0.02	0.222	0.224
	LTE Band 66_ANT 0C	20M	QPSK	1	0	Back	10mm	132572	1770	24.83	25.00	1.040	-0.06	0.312	0.324
	LTE Band 66_ANT 0C	20M	QPSK	1	0	Back	10mm	132072	1720	24.78	25.00	1.052	-0.02	0.300	0.316
	LTE Band 66_ANT 0C	20M	QPSK	1	0	Back	10mm	132322	1745	24.78	25.00	1.052	-0.19	0.342	0.360
	LTE Band 66_ANT 0C	20M	QPSK	50	0	Back	10mm	132572	1770	23.96	24.00	1.009	0.04	0.250	0.252
	LTE Band 66C_ANT 0C	20M	QPSK	1	0	Back	10mm	132072	1720	24.71	25.00	1.069	0.07	0.302	0.323
	LTE Band 66B_ANT 0C	15M	QPSK	1	0	Back	10mm	132322	1745	24.82	25.00	1.042	0.09	0.275	0.287
	LTE Band 66_ANT 0B	20M	QPSK	1	0	Front	10mm	132572	1770	24.83	25.00	1.040	0.12	0.551	0.573
	LTE Band 66_ANT 0B	20M	QPSK	50	0	Front	10mm	132572	1770	23.96	24.00	1.009	0.05	0.441	0.445
	LTE Band 66_ANT 0B	20M	QPSK	1	0	Back	10mm	132572	1770	24.83	25.00	1.040	0.01	0.624	0.649
	LTE Band 66_ANT 0B	20M	QPSK	1	0	Back	10mm	132072	1720	24.78	25.00	1.052	-0.01	0.523	0.550
	LTE Band 66_ANT 0B	20M	QPSK	1	0	Back	10mm	132322	1745	24.78	25.00	1.052	-0.03	0.615	0.647
	LTE Band 66_ANT 0B	20M	QPSK	50	0	Back	10mm	132572	1770	23.96	24.00	1.009	0.09	0.499	0.504
	LTE Band 66C_ANT 0B	20M	QPSK	1	0	Back	10mm	132072	1720	24.71	25.00	1.069	0.07	0.601	0.643
	LTE Band 66B_ANT 0B	15M	QPSK	1	0	Back	10mm	132322	1745	24.82	25.00	1.042	0.09	0.589	0.614
	LTE Band 66_ANT 1	20M	QPSK	1	0	Front	10mm	132572	1770	24	25.00	1.259	0.01	0.719	0.905
	LTE Band 66_ANT 1	20M	QPSK	50	0	Front	10mm	132572	1770	23.78	25.00	1.324	-0.12	0.683	0.905
63	LTE Band 66_ANT 1	20M	QPSK	1	0	Back	10mm	132572	1770	24	25.00	1.259	0.14	0.906	1.141
	LTE Band 66_ANT 1	20M	QPSK	1	0	Back	10mm	132072	1720	23.78	25.00	1.324	0.09	0.852	1.128
	LTE Band 66_ANT 1	20M	QPSK	1	0	Back	10mm	132322	1745	23.86	25.00	1.300	0.15	0.743	0.966
	LTE Band 66_ANT 1	20M	QPSK	50	0	Back	10mm	132572	1770	23.96	25.00	1.271	-0.18	0.861	1.094
	LTE Band 66_ANT 1	20M	QPSK	50	0	Back	10mm	132072	1720	23.93	25.00	1.279	-0.12	0.809	1.036
	LTE Band 66_ANT 1	20M	QPSK	50	0	Back	10mm	132322	1745	23.93	25.00	1.279	0.07	0.706	0.903
	LTE Band 66_ANT 1	20M	QPSK	100	0	Back	10mm	132572	1770	23.88	25.00	1.294	0.15	0.818	1.058
	LTE Band 66C_ANT 1	20M	QPSK	1	0	Back	10mm	132072	1720	24.71	25.00	1.069	-0.05	0.869	0.929
	LTE Band 66B_ANT 1	15M	QPSK	1	0	Back	10mm	132322	1745	24.82	25.00	1.042	-0.02	0.879	0.916
Simultaneous Transmission is active															
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
	LTE Band 66_ANT 0C	20M	QPSK	1	0	Front	10mm	132572	1770	24.83	25.00	1.040	0.08	0.278	0.289
	LTE Band 66_ANT 0C	20M	QPSK	50	0	Front	10mm	132572	1770	23.96	24.00	1.009	0.02	0.222	0.224
	LTE Band 66_ANT 0C	20M	QPSK	1	0	Back	10mm	132572	1770	24.83	25.00	1.040	-0.06	0.312	0.324
	LTE Band 66_ANT 0C	20M	QPSK	1	0	Back	10mm	132072	1720	24.78	25.00	1.052	-0.02	0.300	0.316
	LTE Band 66_ANT 0C	20M	QPSK	1	0	Back	10mm	132322	1745	24.78	25.00	1.052	-0.19	0.342	0.360
	LTE Band 66_ANT 0C	20M	QPSK	50	0	Back	10mm	132572	1770	23.96	24.00	1.009	0.04	0.250	0.252
	LTE Band 66C_ANT 0C	20M	QPSK	1	0	Back	10mm	132072	1720	24.71	25.00	1.069	0.07	0.302	0.323
	LTE Band 66B_ANT 0C	15M	QPSK	1	0	Back	10mm	132322	1745	24.82	25.00	1.042	0.09	0.275	0.287
	LTE Band 66_ANT 0B	20M	QPSK	1	0	Front	10mm	132572	1770	24.83	25.00	1.040	0.12	0.551	0.573
	LTE Band 66_ANT 0B	20M	QPSK	50	0	Front	10mm	132572	1770	23.96	24.00	1.009	0.05	0.441	0.445
	LTE Band 66_ANT 0B	20M	QPSK	1	0	Back	10mm	132572	1770	24.83	25.00	1.040	0.01	0.624	0.649
	LTE Band 66_ANT 0B	20M	QPSK	1	0	Back	10mm	132072	1720	24.78	25.00	1.052	-0.01	0.523	0.550
	LTE Band 66_ANT 0B	20M	QPSK	1	0	Back	10mm	132322	1745	24.78	25.00	1.052	-0.03	0.615	0.647
	LTE Band 66_ANT 0B	20M	QPSK	50	0	Back	10mm	132572	1770	23.96	24.00	1.009	0.09	0.499	0.504
	LTE Band 66C_ANT 0B	20M	QPSK	1	0	Back	10mm	132072	1720	24.71	25.00	1.069	0.07	0.601	0.643
	LTE Band 66B_ANT 0B	15M	QPSK	1	0	Back	10mm	132322	1745	24.82	25.00	1.042	0.09	0.589	0.614
	LTE Band 66_ANT 1	20M	QPSK	1	0	Front	10mm	132572	1770	23.95	24.00	1.012	0.01	0.719	0.727
	LTE Band 66_ANT 1	20M	QPSK	50	0	Front	10mm	132572	1770	23.94	24.00	1.014	-0.12	0.683	0.693
	LTE Band 66_ANT 1	20M	QPSK	1	0	Back	10mm	132572	1770	23.95	24.00	1.012	0.14	0.906	0.916
	LTE Band 66_ANT 1	20M	QPSK	1	0	Back	10mm	132072	1720	23.78	24.00	1.052	0.09	0.852	0.896
	LTE Band 66_ANT 1	20M	QPSK	1	0	Back	10mm	132322	1745	23.86	24.00	1.033	0.15	0.743	0.767
	LTE Band 66_ANT 1	20M	QPSK	50	0	Back	10mm	132572	1770	23.96	24.00	1.009	-0.18	0.861	0.869
	LTE Band 66_ANT 1	20M	QPSK	50	0	Back	10mm	132072	1720	23.93	24.00	1.016	-0.12	0.809	0.823
	LTE Band 66_ANT 1	20M	QPSK	50	0	Back	10mm	132322	1745	23.93	24.00	1.016	0.07	0.706	0.717
	LTE Band 66_ANT 1	20M	QPSK	100	0	Back	10mm	132572	1770	23.88	24.00	1.028	0.15	0.818	0.841
	LTE Band 66C_ANT 1	20M	QPSK	1	0	Back	10mm	132072	1720	23.8	24.00	1.047	-0.05	0.869	0.910
	LTE Band 66B_ANT 1	15M	QPSK	1	0	Back	10mm	132322	1745	23.85	24.00	1.035	-0.02	0.879	0.910



Standalone / Simultaneous Transmission is active																
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	
	LTE Band 71_ANT 1	20M	QPSK	1	0	Front	10mm	133322	683	24.78	25.00	1.052	-0.18	0.161	0.169	
	LTE Band 71_ANT 1	20M	QPSK	50	0	Front	10mm	133322	683	23.64	24.00	1.086	-0.14	0.130	0.141	
	LTE Band 71_ANT 1	20M	QPSK	1	0	Back	10mm	133322	683	24.78	25.00	1.052	0.05	0.168	0.177	
	LTE Band 71_ANT 1	20M	QPSK	50	0	Back	10mm	133322	683	23.64	24.00	1.086	-0.08	0.136	0.148	
64	LTE Band 71_ANT 0C	20M	QPSK	1	0	Front	10mm	133322	683	24.78	25.00	1.052	-0.03	0.220	0.231	
	LTE Band 71_ANT 0C	20M	QPSK	50	0	Front	10mm	133322	683	23.64	24.00	1.086	-0.1	0.197	0.214	
	LTE Band 71_ANT 0C	20M	QPSK	1	0	Back	10mm	133322	683	24.78	25.00	1.052	0	0.204	0.215	
	LTE Band 71_ANT 0C	20M	QPSK	50	0	Back	10mm	133322	683	23.64	24.00	1.086	0.01	0.183	0.199	

<TDD LTE SAR>

Standalone																		
Note	Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	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)
		LTE Band 41_ANT 0B	20M	QPSK	1	99	Front	10mm	41490	2680	24.92	25.00	1.019	62.9	1.006	0.08	0.520	0.533
		LTE Band 41_ANT 0B	20M	QPSK	50	50	Front	10mm	41490	2680	23.97	24.00	1.007	62.9	1.006	0.02	0.328	0.332
	65	LTE Band 41_ANT 0B	20M	QPSK	1	99	Back	10mm	41490	2680	24.92	25.00	1.019	62.9	1.006	-0.07	0.922	0.945
		LTE Band 41_ANT 0B	20M	QPSK	1	99	Back	10mm	39750	2506	24.47	25.00	1.130	62.9	1.006	0.02	0.824	0.937
		LTE Band 41_ANT 0B	20M	QPSK	1	99	Back	10mm	40185	2549.5	24.77	25.00	1.054	62.9	1.006	0.07	0.874	0.927
		LTE Band 41_ANT 0B	20M	QPSK	1	99	Back	10mm	40620	2593	24.69	25.00	1.074	62.9	1.006	0.08	0.855	0.924
		LTE Band 41_ANT 0B	20M	QPSK	1	99	Back	10mm	41055	2636.5	24.71	25.00	1.069	62.9	1.006	0.02	0.867	0.932
		LTE Band 41_ANT 0B	20M	QPSK	50	50	Back	10mm	41490	2680	23.97	24.00	1.007	62.9	1.006	-0.07	0.721	0.730
		LTE Band 41_ANT 0B	20M	QPSK	100	0	Back	10mm	41490	2680	23.91	24.00	1.021	62.9	1.006	0.05	0.711	0.730
PC2		LTE Band 41_ANT 0B	20M	QPSK	1	49	Back	10mm	40185	2549.5	26.69	27.00	1.074	42.9	1.009	-0.09	0.871	0.944
		LTE Band 41C_ANT 0B	20M	QPSK	1	0	Back	10mm	39750	2506	24.2	25.00	1.202	62.9	1.006	-0.08	0.671	0.812
PC2		LTE Band 41C_ANT 0B	20M	QPSK	1	0	Back	10mm	39750	2506	26.25	27.00	1.189	42.9	1.009	0.06	0.622	0.746
		LTE Band 41_ANT 0C	20M	QPSK	1	99	Front	10mm	41490	2680	24.92	25.00	1.019	62.9	1.006	0.02	0.335	0.343
		LTE Band 41_ANT 0C	20M	QPSK	50	50	Front	10mm	41490	2680	23.97	24.00	1.007	62.9	1.006	-0.06	0.268	0.271
		LTE Band 41_ANT 0C	20M	QPSK	1	99	Back	10mm	41490	2680	24.92	25.00	1.019	62.9	1.006	0	0.499	0.511
		LTE Band 41_ANT 0C	20M	QPSK	1	99	Back	10mm	39750	2506	24.47	24.00	0.897	62.9	1.006	0.12	0.258	0.233
		LTE Band 41_ANT 0C	20M	QPSK	1	99	Back	10mm	40185	2549.5	24.77	24.00	0.838	62.9	1.006	-0.07	0.336	0.283
		LTE Band 41_ANT 0C	20M	QPSK	1	99	Back	10mm	40620	2593	24.69	24.00	0.853	62.9	1.006	-0.01	0.381	0.327
		LTE Band 41_ANT 0C	20M	QPSK	1	99	Back	10mm	41055	2636.5	24.71	24.00	0.849	62.9	1.006	0.15	0.469	0.401
		LTE Band 41_ANT 0C	20M	QPSK	50	50	Back	10mm	41490	2680	23.97	24.00	1.007	62.9	1.006	0.03	0.399	0.404
PC2		LTE Band 41_ANT 0C	20M	QPSK	1	99	Back	10mm	40185	2549.5	26.69	27.00	1.074	42.9	1.009	0	0.462	0.501
		LTE Band 41C_ANT 0C	20M	QPSK	1	0	Back	10mm	39750	2506	24.2	25.00	1.202	62.9	1.006	0.02	0.321	0.388
PC2		LTE Band 41C_ANT 0C	20M	QPSK	1	0	Back	10mm	39750	2506	26.25	27.00	1.189	42.9	1.009	0.1	0.333	0.399
		LTE Band 41_ANT 1	20M	QPSK	1	99	Front	10mm	41490	2680	24.92	25.00	1.019	62.9	1.006	-0.05	0.521	0.534
		LTE Band 41_ANT 1	20M	QPSK	50	50	Front	10mm	41490	2680	23.97	24.00	1.007	62.9	1.006	0.12	0.417	0.422
		LTE Band 41_ANT 1	20M	QPSK	1	0	Back	10mm	41490	2680	24.92	25.00	1.019	62.9	1.006	-0.06	0.579	0.593
		LTE Band 41_ANT 1	20M	QPSK	1	99	Back	10mm	39750	2506	24.47	25.00	1.130	62.9	1.006	0.17	0.414	0.470
		LTE Band 41_ANT 1	20M	QPSK	1	99	Back	10mm	40185	2549.5	24.77	25.00	1.054	62.9	1.006	-0.08	0.469	0.498
		LTE Band 41_ANT 1	20M	QPSK	1	99	Back	10mm	40620	2593	24.69	25.00	1.074	62.9	1.006	0.02	0.535	0.578
		LTE Band 41_ANT 1	20M	QPSK	1	99	Back	10mm	41055	2636.5	24.71	25.00	1.069	62.9	1.006	0.12	0.548	0.589
		LTE Band 41_ANT 1	20M	QPSK	50	50	Back	10mm	41490	2680	23.97	24.00	1.007	62.9	1.006	0.15	0.463	0.469
PC2		LTE Band 41_ANT 1	20M	QPSK	1	0	Back	10mm	40185	2549.5	26.69	27.00	1.074	42.9	1.009	-0.06	0.522	0.566
		LTE Band 41C_ANT 1	20M	QPSK	1	0	Back	10mm	39750	2506	24.2	25.00	1.202	62.9	1.006	0.02	0.423	0.512
PC2		LTE Band 41C_ANT 1	20M	QPSK	1	0	Back	10mm	39750	2506	26.25	27.00	1.189	42.9	1.009	0.06	0.425	0.510

Simultaneous Transmission is active

Note	Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)
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FCC SAR TEST REPORT

Report No. : FA8N0620-05A

														Factor				
		LTE Band 41_ANT 0B	20M	QPSK	1	99	Front	10mm	41490	2680	24.92	25.00	1.019	62.9	1.006	0.08	0.520	0.533
		LTE Band 41_ANT 0B	20M	QPSK	50	50	Front	10mm	41490	2680	23.97	24.00	1.007	62.9	1.006	0.02	0.328	0.332
		LTE Band 41_ANT 0B	20M	QPSK	1	99	Back	10mm	41490	2680	24.92	25.00	1.019	62.9	1.006	-0.07	0.922	0.945
		LTE Band 41_ANT 0B	20M	QPSK	1	99	Back	10mm	39750	2506	24.47	25.00	1.130	62.9	1.006	0.02	0.824	0.937
		LTE Band 41_ANT 0B	20M	QPSK	1	99	Back	10mm	40185	2549.5	24.77	25.00	1.054	62.9	1.006	0.07	0.874	0.927
		LTE Band 41_ANT 0B	20M	QPSK	1	99	Back	10mm	40620	2593	24.69	25.00	1.074	62.9	1.006	0.08	0.855	0.924
		LTE Band 41_ANT 0B	20M	QPSK	1	99	Back	10mm	41055	2636.5	24.71	25.00	1.069	62.9	1.006	0.02	0.867	0.932
		LTE Band 41_ANT 0B	20M	QPSK	50	50	Back	10mm	41490	2680	23.97	24.00	1.007	62.9	1.006	-0.07	0.721	0.730
		LTE Band 41_ANT 0B	20M	QPSK	100	0	Back	10mm	41490	2680	23.91	24.00	1.021	62.9	1.006	0.05	0.711	0.730
PC2		LTE Band 41_ANT 0B	20M	QPSK	1	49	Back	10mm	40185	2549.5	26.69	27.00	1.074	42.9	1.009	-0.09	0.871	0.944
		LTE Band 41C_ANT 0B	20M	QPSK	1	0	Back	10mm	39750	2506	24.2	25.00	1.202	62.9	1.006	-0.08	0.671	0.812
		LTE Band 41C_ANT 0B	20M	QPSK	1	0	Back	10mm	39750	2506	26.25	27.00	1.189	42.9	1.009	0.06	0.622	0.746
		LTE Band 41_ANT 0C	20M	QPSK	1	99	Front	10mm	41490	2680	24.92	25.00	1.019	62.9	1.006	0.02	0.335	0.343
		LTE Band 41_ANT 0C	20M	QPSK	50	50	Front	10mm	41490	2680	23.97	24.00	1.007	62.9	1.006	-0.06	0.268	0.271
		LTE Band 41_ANT 0C	20M	QPSK	1	99	Back	10mm	41490	2680	24.92	25.00	1.019	62.9	1.006	0	0.499	0.511
		LTE Band 41_ANT 0C	20M	QPSK	1	99	Back	10mm	39750	2506	24.47	24.00	0.897	62.9	1.006	0.12	0.258	0.233
		LTE Band 41_ANT 0C	20M	QPSK	1	99	Back	10mm	40185	2549.5	24.77	24.00	0.838	62.9	1.006	-0.07	0.336	0.283
		LTE Band 41_ANT 0C	20M	QPSK	1	99	Back	10mm	40620	2593	24.69	24.00	0.853	62.9	1.006	-0.01	0.381	0.327
		LTE Band 41_ANT 0C	20M	QPSK	1	99	Back	10mm	41055	2636.5	24.71	24.00	0.849	62.9	1.006	0.15	0.469	0.401
		LTE Band 41_ANT 0C	20M	QPSK	50	50	Back	10mm	41490	2680	23.97	24.00	1.007	62.9	1.006	0.03	0.399	0.404
PC2		LTE Band 41_ANT 0C	20M	QPSK	1	99	Back	10mm	40185	2549.5	26.69	27.00	1.074	42.9	1.009	0	0.462	0.501
		LTE Band 41C_ANT 0C	20M	QPSK	1	0	Back	10mm	39750	2506	24.2	25.00	1.202	62.9	1.006	0.02	0.321	0.388
		LTE Band 41C_ANT 0C	20M	QPSK	1	0	Back	10mm	39750	2506	26.25	27.00	1.189	42.9	1.009	0.1	0.333	0.399
		LTE Band 41_ANT 1	20M	QPSK	1	99	Front	10mm	41490	2680	23.98	24.00	1.005	62.9	1.006	-0.05	0.321	0.325
		LTE Band 41_ANT 1	20M	QPSK	50	50	Front	10mm	41490	2680	23.06	23.00	0.986	62.9	1.006	0.12	0.217	0.215
		LTE Band 41_ANT 1	20M	QPSK	1	0	Back	10mm	41490	2680	23.98	24.00	1.005	62.9	1.006	-0.06	0.466	0.471
		LTE Band 41_ANT 1	20M	QPSK	1	99	Back	10mm	39750	2506	23.53	24.00	1.114	62.9	1.006	0.17	0.214	0.240
		LTE Band 41_ANT 1	20M	QPSK	1	99	Back	10mm	40185	2549.5	23.79	24.00	1.050	62.9	1.006	-0.08	0.269	0.284
		LTE Band 41_ANT 1	20M	QPSK	1	99	Back	10mm	40620	2593	23.66	24.00	1.081	62.9	1.006	0.02	0.335	0.364
		LTE Band 41_ANT 1	20M	QPSK	1	99	Back	10mm	41055	2636.5	23.76	24.00	1.057	62.9	1.006	0.12	0.348	0.370
		LTE Band 41_ANT 1	20M	QPSK	50	50	Back	10mm	41490	2680	23.06	23.00	0.986	62.9	1.006	0.15	0.263	0.261
PC2		LTE Band 41_ANT 1	20M	QPSK	1	0	Back	10mm	40185	2549.5	26.03	26.50	1.114	42.9	1.009	-0.06	0.421	0.473
		LTE Band 41C_ANT 1	20M	QPSK	1	0	Back	10mm	39750	2506	24.2	25.00	1.202	62.9	1.006	0.02	0.423	0.512
		LTE Band 41C_ANT 1	20M	QPSK	1	0	Back	10mm	39750	2506	26.25	27.00	1.189	42.9	1.009	0.06	0.425	0.510



Standalone / Simultaneous Transmission is active																	
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	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)
	LTE Band 48_ANT 6	20M	QPSK	1	0	Front	10mm	56640	3690	22.35	23.00	1.161	62.9	1.006	0.03	0.256	0.299
	LTE Band 48_ANT 6	20M	QPSK	50	0	Front	10mm	56640	3690	21.49	22.00	1.125	62.9	1.006	0.02	0.182	0.206
66	LTE Band 48_ANT 6	20M	QPSK	1	0	Back	10mm	56640	3690	22.35	23.00	1.161	62.9	1.006	-0.01	0.472	0.551
	LTE Band 48_ANT 6	20M	QPSK	1	0	Back	10mm	55240	3550	22.22	23.00	1.197	62.9	1.006	0.02	0.398	0.479
	LTE Band 48_ANT 6	20M	QPSK	1	0	Back	10mm	55830	3609	22.17	23.00	1.211	62.9	1.006	0.09	0.421	0.513
	LTE Band 48_ANT 6	20M	QPSK	1	0	Back	10mm	56150	3641	22.34	23.00	1.164	62.9	1.006	0.06	0.382	0.447
	LTE Band 48_ANT 6	20M	QPSK	50	0	Back	10mm	56640	3690	21.49	22.00	1.125	62.9	1.006	0.09	0.208	0.235
	LTE Band 48C_ANT 6	20M	QPSK	1	0	Back	0mm	55340	3690	22.00	23.00	1.259	62.9	1.006	0.01	0.352	0.446
	LTE Band 48_ANT 1	20M	QPSK	1	0	Front	10mm	56640	3690	22.35	23.00	1.161	62.9	1.006	0.06	0.108	0.126
	LTE Band 48_ANT 1	20M	QPSK	50	0	Front	10mm	56640	3690	21.49	22.00	1.125	62.9	1.006	0.01	0.082	0.093
	LTE Band 48_ANT 1	20M	QPSK	1	0	Back	10mm	56640	3690	22.35	23.00	1.161	62.9	1.006	0.12	0.220	0.257
	LTE Band 48_ANT 1	20M	QPSK	1	0	Back	10mm	55240	3550	22.22	23.00	1.197	62.9	1.006	0.02	0.198	0.238
	LTE Band 48_ANT 1	20M	QPSK	1	0	Back	10mm	55830	3609	22.17	23.00	1.211	62.9	1.006	0.09	0.201	0.245
	LTE Band 48_ANT 1	20M	QPSK	1	0	Back	10mm	56150	3641	22.34	23.00	1.164	62.9	1.006	0.06	0.217	0.254
	LTE Band 48_ANT 1	20M	QPSK	50	0	Back	10mm	56640	3690	21.49	22.00	1.125	62.9	1.006	0.09	0.165	0.187
	LTE Band 48C_ANT 1	20M	QPSK	1	0	Back	0mm	55340	3690	22.00	23.00	1.259	62.9	1.006	0.01	0.187	0.237



<WLAN SAR>

General Note:

1. Add antenna 2 power level of 23dBm is consider MIMO operation in SISO chain, If the sum of 1g single transmission chain SAR measurements is < 1.6W/kg and SAR peak to location ratio ≤ 0.04, therefore, additional worst configuration MIMO operation for 2.4GHz WLAN antenna 2 to show simultaneous transmission with antenna 4 compliance.

Standalone															
Plot No.	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)
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 2	1	2412	20.6	21.5	1.230	98.92	1.011	-0.09	0.416	0.517
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 2	1	2412	20.6	21.5	1.230	98.92	1.011	-0.04	0.632	0.786
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 2	6	2437	19.9	20.5	1.148	98.92	1.011	-0.02	0.511	0.593
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 2	11	2462	19.8	20.5	1.175	98.92	1.011	-0.03	0.576	0.684
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 2	1	2412	22.56	23	1.107	98.92	1.011	-0.09	0.670	0.750
67	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 2	1	2412	22.56	23	1.107	98.92	1.011	-0.03	0.999	1.118
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 2	6	2437	19.75	20.5	1.189	98.92	1.011	-0.14	0.520	0.625
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 2	11	2462	19.62	20.5	1.225	98.92	1.011	0.06	0.567	0.702
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4	1	2412	20.9	21	1.023	98.85	1.012	-0.06	0.405	0.419
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 4	1	2412	20.9	21	1.023	98.85	1.012	-0.18	0.416	0.431
Simultaneous Transmission is active															
Plot No.	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)
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 2	6	2437	15.20	15.50	1.072	98.92	1.011	-0.01	0.083	0.090
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 2	6	2437	15.20	15.50	1.072	98.92	1.011	0.01	0.160	0.173
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4	1	2412	17.80	18.00	1.047	98.85	1.012	-0.16	0.199	0.211
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4	6	2437	17.10	18.00	1.230	98.85	1.012	-0.08	0.207	0.258
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 4	11	2462	16.90	17.50	1.148	98.85	1.012	-0.05	0.020	0.023
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 4	1	2412	17.80	18.00	1.047	98.85	1.012	-0.08	0.193	0.205
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 2+4(2)	6	2437	17.80	18.00	1.047	99.12	1.009	-0.06	0.293	0.310
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 2+4(4)	6	2437	17.51	18.00	1.119	99.12	1.009	-0.06	0.331	0.374
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 2+4(2)	6	2437	17.80	18.00	1.047	99.12	1.009	-0.01	0.475	0.502
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 2+4(4)	6	2437	17.51	18.00	1.119	99.12	1.009	-0.01	0.316	0.357
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 2+4(2)	1	2412	17.73	18.00	1.064	99.12	1.009	0.08	0.440	0.472
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 2+4(4)	1	2412	17.43	18.00	1.140	99.12	1.009	0.08	0.315	0.362
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 2+4(2)	11	2462	17.76	18.00	1.057	99.12	1.009	-0.05	0.440	0.469
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 2+4(4)	11	2462	17.49	18.00	1.125	99.12	1.009	-0.05	0.439	0.498



Standalone															
Plot No.	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)
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 4	54	5270	20.50	21.00	1.122	96.45	1.037	0.12	0.085	0.099
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 4	54	5270	20.50	21.00	1.122	96.45	1.037	0.04	0.266	0.309
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 5	54	5270	19.00	19.50	1.122	96.43	1.037	-0.03	0.070	0.081
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 5	54	5270	19.00	19.50	1.122	96.43	1.037	-0.02	0.685	0.797
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 5	56	5280	18.60	19.00	1.096	98.1	1.019	-0.17	0.444	0.496
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 5	62	5310	16.50	17.00	1.122	96.43	1.037	-0.04	0.304	0.354
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 4+5(4)	54	5270	20.6	21	1.096	96.43	1.037	-0.11	0.109	0.124
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 4+5(5)	54	5270	20.7	21	1.072	96.43	1.037	-0.11	0.130	0.144
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 4+5(4)	54	5270	20.6	21	1.096	96.43	1.037	-0.03	0.304	0.346
68	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 4+5(5)	54	5270	20.7	21	1.072	96.43	1.037	-0.03	0.807	0.897
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 4+5(4)	52	5260	18.5	19	1.122	98.1	1.019	-0.03	0.182	0.208
	WLAN5GHz	802.11a 6Mbps	Back	10mm	Ant 4+5(5)	52	5260	18.7	19	1.072	98.1	1.019	-0.03	0.513	0.560
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 4+5(4)	62	5310	17	17	1.000	96.43	1.037	-0.11	0.138	0.143
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 4+5(5)	62	5310	16.8	17	1.047	96.43	1.037	-0.11	0.388	0.421
Simultaneous Transmission is active															
Plot No.	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)
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 4	54	5270	20.50	21.00	1.122	96.45	1.037	0.07	0.068	0.079
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 4	54	5270	20.50	21.00	1.122	96.45	1.037	-0.01	0.184	0.214
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 5	62	5310	14.80	15.00	1.047	96.43	1.037	-0.11	0.045	0.049
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 5	62	5310	14.80	15.00	1.047	96.43	1.037	-0.06	0.268	0.291
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 5	54	5270	14.50	15.00	1.122	96.43	1.037	-0.05	0.219	0.255
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 4+5(4)	54	5270	20.89	21.00	1.026	96.43	1.037	0.03	0.128	0.136
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 4+5(5)	54	5270	15.77	16.00	1.054	96.43	1.037	0.03	0.115	0.126
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 4+5(4)	54	5270	20.89	21.00	1.026	96.43	1.037	-0.06	0.366	0.389
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 4+5(5)	54	5270	15.76	16.00	1.057	96.43	1.037	-0.06	0.352	0.386
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 4+5(4)	62	5310	17.00	17.00	1.000	96.43	1.037	0.15	0.223	0.231
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 4+5(5)	62	5310	15.77	16.00	1.054	96.43	1.037	0.15	0.212	0.232



Standalone															
Plot No.	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)
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4	138	5690	20.50	21.00	1.122	92.22	1.084	0.04	0.323	0.393
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4	138	5690	20.50	21.00	1.122	92.22	1.084	-0.1	0.204	0.248
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 5	138	5690	18.80	19.50	1.175	92.77	1.078	-0.05	0.018	0.023
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 5	138	5690	18.80	19.50	1.175	92.77	1.078	-0.11	0.618	0.783
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 5	122	5610	18.70	19.50	1.202	92.77	1.078	-0.03	0.486	0.630
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 5	106	5530	16.70	17.00	1.072	92.77	1.078	-0.1	0.282	0.326
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+5(4)	122	5610	20.7	21	1.072	92.81	1.077	0.01	0.087	0.100
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+5(5)	122	5610	20.5	21	1.122	92.81	1.077	0.01	0.111	0.134
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+5(4)	122	5610	20.7	21	1.072	92.81	1.077	-0.07	0.261	0.301
69	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+5(5)	122	5610	20.5	21	1.122	92.81	1.077	-0.07	0.760	0.918
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+5(4)	138	5690	20.6	21	1.096	92.81	1.077	0.03	0.238	0.281
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+5(5)	138	5690	20.8	21	1.047	92.81	1.077	0.03	0.743	0.838
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+5(4)	106	5530	16.8	17	1.047	92.81	1.077	0.11	0.113	0.127
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+5(5)	106	5530	16.8	17	1.047	92.81	1.077	0.11	0.346	0.390
Simultaneous Transmission is active															
Plot No.	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)
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4	122	5610	20.50	21.00	1.122	92.22	1.084	-0.02	0.213	0.259
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4	106	5530	16.70	17.00	1.072	92.22	1.084	0.1	0.065	0.075
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4	138	5690	20.50	21.00	1.122	92.22	1.084	-0.06	0.282	0.343
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4	122	5610	20.50	21.00	1.122	92.22	1.084	0.1	0.157	0.191
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 5	122	5610	14.70	15.00	1.072	92.77	1.078	0	0.014	0.016
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 5	122	5610	14.70	15.00	1.072	92.77	1.078	-0.1	0.177	0.204
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+5(4)	138	5690	20.91	21.00	1.021	92.81	1.077	0.11	0.102	0.112
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+5(5)	138	5690	15.94	16.50	1.138	92.81	1.077	0.11	0.106	0.129
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+5(4)	138	5690	20.91	21.00	1.021	92.81	1.077	-0.19	0.303	0.333
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+5(5)	138	5690	15.94	16.50	1.138	92.81	1.077	-0.19	0.323	0.396
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+5(4)	106	5530	16.80	17.00	1.047	92.81	1.077	-0.09	0.160	0.180
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+5(5)	106	5530	15.64	16.50	1.219	92.81	1.077	-0.09	0.283	0.372
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+5(4)	122	5610	20.90	21.00	1.023	92.81	1.077	0.05	0.239	0.263
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+5(5)	122	5610	15.61	16.50	1.227	92.81	1.077	0.05	0.278	0.368



Standalone															
Plot No.	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)
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4	155	5775	20.80	21.00	1.047	92.22	1.084	0.04	0.386	0.438
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4	155	5775	20.80	21.00	1.047	92.22	1.084	0.11	0.273	0.310
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 5	155	5775	19.40	19.50	1.023	92.77	1.078	-0.12	0.038	0.042
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 5	155	5775	19.40	19.50	1.023	92.77	1.078	0.11	0.670	0.739
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 5	159	5795	19.30	19.50	1.047	96.43	1.037	-0.01	0.688	0.747
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+5(4)	155	5775	20.4	21	1.148	92.81	1.077	0.01	0.106	0.131
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+5(5)	155	5775	19.9	20	1.023	92.81	1.077	0.01	0.143	0.158
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+5(4)	155	5775	20.4	21	1.148	92.81	1.077	-0.11	0.291	0.360
70	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+5(5)	155	5775	19.9	20	1.023	92.81	1.077	-0.11	0.879	0.969
Simultaneous Transmission is active															
Plot No.	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)
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4	155	5775	20.10	20.50	1.096	92.22	1.084	-0.17	0.333	0.396
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4	155	5775	20.10	20.50	1.096	92.22	1.084	-0.06	0.209	0.248
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 5	155	5775	16.20	16.50	1.072	92.77	1.078	-0.19	0.026	0.030
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 5	155	5775	16.20	16.50	1.072	92.77	1.078	-0.19	0.241	0.278
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+5(4)	155	5775	19.55	20.50	1.245	92.81	1.077	0.13	0.087	0.116
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 4+5(5)	155	5775	16.95	17.00	1.012	92.81	1.077	0.13	0.120	0.130
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+5(4)	155	5775	19.55	20.50	1.245	92.81	1.077	-0.09	0.259	0.347
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+5(5)	155	5775	16.95	17.00	1.012	92.81	1.077	-0.09	0.366	0.399

<Bluetooth SAR>

Standalone															
Plot No.	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)
	Bluetooth	1Mbps	Front	10mm	Ant 2	39	2441	18.63	19.5	1.222	77.13	1.297	0.04	0.152	0.241
	Bluetooth	1Mbps	Back	10mm	Ant 2	39	2441	18.63	19.5	1.222	77.13	1.297	-0.09	0.247	0.391
	Bluetooth	1Mbps	Back	10mm	Ant 2	0	2402	17.99	19.5	1.416	77.13	1.297	-0.04	0.209	0.384
71	Bluetooth	1Mbps	Back	10mm	Ant 2	78	2480	18.41	19.5	1.285	77.13	1.297	-0.14	0.251	0.418
Simultaneous Transmission is active															
Plot No.	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)
	Bluetooth	1Mbps	Front	10mm	Ant 2	39	2441	17.90	18.00	1.023	77.13	1.297	0.06	0.131	0.174
	Bluetooth	1Mbps	Back	10mm	Ant 2	39	2441	17.90	18.00	1.023	77.13	1.297	-0.15	0.145	0.192
	Bluetooth	1Mbps	Back	10mm	Ant 2	0	2402	17.10	18.00	1.230	77.13	1.297	0.04	0.116	0.185
	Bluetooth	1Mbps	Back	10mm	Ant 2	78	2480	17.70	18.00	1.072	77.13	1.297	0.04	0.123	0.171



15.4 Product Specific SAR

<CDMA SAR>

Standalone												
Plot No.	Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
72	CDMA BC1_ANT 1	RTAP 153.6Kbps	Top Side	0mm	1175	1908.75	22.45	23.00	1.135	-0.02	3.120	3.541
	CDMA BC1_ANT 1	RTAP 153.6Kbps	Top Side	0mm	600	1880	22.56	23.00	1.107	0.05	2.940	3.253
	CDMA BC1_ANT 1	RTAP 153.6Kbps	Top Side	0mm	25	1851.25	22.6	23.00	1.096	0.14	3.020	3.311

<FDD LTE SAR>

Standalone															
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	LTE Band 7_ANT 1	20M	QPSK	1	0	Top Side	0mm	21100	2535	22.72	23.50	1.197	0.09	2.950	3.530
	LTE Band 7_ANT 1	20M	QPSK	1	0	Top Side	0mm	20850	2510	22.89	23.50	1.151	-0.15	2.750	3.165
	LTE Band 7_ANT 1	20M	QPSK	1	0	Top Side	0mm	21350	2560	22.6	23.50	1.230	-0.05	2.740	3.371
73	LTE Band 7_ANT 0B	20M	QPSK	1	0	Right Side	0mm	21100	2535	22.2	22.50	1.072	0.1	3.330	3.568
	LTE Band 7_ANT 0B	20M	QPSK	1	0	Right Side	0mm	20850	2510	22.25	22.50	1.059	0.15	3.290	3.485
	LTE Band 7_ANT 0B	20M	QPSK	1	0	Right Side	0mm	21350	2560	22.02	22.50	1.117	-0.08	3.180	3.552

Standalone															
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
74	LTE Band 30_ANT 1	10M	QPSK	1	0	Top Side	0mm	27710	2310	23.81	24.50	1.172	0.13	2.850	3.341

<TDD LTE SAR>

Standalone																		
Note	Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Ch.	Freq. (MHz)	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)
		LTE Band 41_ANT 1	20M	QPSK	1	99	Top Side	0mm	41490	2680	24.92	25.00	1.019	62.9	1.006	0.07	3.200	3.279
		LTE Band 41_ANT 1	20M	QPSK	1	99	Top Side	0mm	39750	2506	24.47	25.00	1.130	62.9	1.006	0.02	2.740	3.114
		LTE Band 41_ANT 1	20M	QPSK	1	99	Top Side	0mm	40185	2549.5	24.77	25.00	1.054	62.9	1.006	0.01	2.550	2.705
		LTE Band 41_ANT 1	20M	QPSK	1	99	Top Side	0mm	40620	2593	24.69	25.00	1.074	62.9	1.006	0.08	2.680	2.896
		LTE Band 41_ANT 1	20M	QPSK	1	99	Top Side	0mm	41055	2636.5	24.71	25.00	1.069	62.9	1.006	0	2.920	3.140
PC2	75	LTE Band 41_ANT 1	20M	QPSK	1	49	Top Side	0mm	40185	2549.5	26.69	27.00	1.074	42.9	1.009	-0.13	3.110	3.370
		LTE Band 41C_ANT 1	20M	QPSK	1	0	Top Side	0mm	39750	2506	24.20	25.00	1.202	62.9	1.006	0.02	2.542	3.074
PC2		LTE Band 41C_ANT 1	20M	QPSK	1	0	Top Side	0mm	39750	2506	26.25	27.00	1.189	42.9	1.009	0.1	2.627	3.150

<WLAN SAR>

Standalone															
Plot No.	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 10g SAR (W/kg)	Reported 10g SAR (W/kg)
76	WLAN2.4GHz	802.11b 1Mbps	Left Side	0mm	Ant 2	1	2412	22.56	23	1.107	98.92	1.011	0.05	2.940	3.289
	WLAN2.4GHz	802.11b 1Mbps	Left Side	0mm	Ant 2	6	2437	19.75	20.5	1.189	98.92	1.011	-0.13	1.490	1.790
	WLAN2.4GHz	802.11b 1Mbps	Left Side	0mm	Ant 2	11	2462	19.62	20.5	1.225	98.92	1.011	0.01	1.420	1.758



General Note:

1. Add antenna 5 power level of 21dBm is consider MIMO operation in SISO chain, If the sum of 10g single transmission chain SAR measurements is < 4.0W/kg and SAR peak to location ratio ≤ 0.1, in this device that the MIMO operation only required for 5.5GHz WLAN, due to sum of 10g sigle transmission chain SAR measurement is > 4.0W/kg, therefore, additional worst configuration MIMO operation for 5.5GHz WLAN to show compliance.

Standalone															
Plot No.	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 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	WLAN5GHz	802.11n-HT40 MCS0	Front	0mm	Ant 4	54	5270	20.50	21.00	1.122	96.45	1.037	-0.01	0.376	0.437
	WLAN5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 4	54	5270	20.50	21.00	1.122	96.45	1.037	-0.13	0.920	1.070
	WLAN5GHz	802.11n-HT40 MCS0	Left Side	0mm	Ant 4	54	5270	20.50	21.00	1.122	96.45	1.037	-0.03	0.032	0.037
	WLAN5GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 4	54	5270	20.50	21.00	1.122	96.45	1.037	0.02	0.015	0.017
	WLAN5GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 4	54	5270	20.50	21.00	1.122	96.45	1.037	-0.05	0.555	0.646
	WLAN5GHz	802.11n-HT40 MCS0	Front	0mm	Ant 5	54	5270	19.00	19.50	1.122	96.43	1.037	-0.12	0.286	0.333
	WLAN5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 5	54	5270	19.00	19.50	1.122	96.43	1.037	-0.08	1.680	1.955
	WLAN5GHz	802.11a 6Mbps	Back	0mm	Ant 5	56	5280	18.60	19.00	1.096	98.1	1.019	-0.14	1.160	1.296
	WLAN5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 5	62	5310	16.50	17.00	1.122	96.43	1.037	-0.12	0.889	1.034
	WLAN5GHz	802.11n-HT40 MCS0	Left Side	0mm	Ant 5	54	5270	19.00	19.50	1.122	96.43	1.037	-0.16	0.461	0.536
	WLAN5GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 5	54	5270	19.00	19.50	1.122	96.43	1.037	0.02	0.001	0.001
	WLAN5GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 5	54	5270	19.00	19.50	1.122	96.43	1.037	-0.1	0.281	0.327
	WLAN5GHz	802.11n-HT40 MCS0	Front	0mm	Ant 5	54	5270	20.70	21.00	1.072	96.43	1.037	-0.12	0.412	0.458
77	WLAN5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 5	54	5270	20.70	21.00	1.072	96.43	1.037	0.12	2.210	2.456
	WLAN5GHz	802.11a 6Mbps	Back	0mm	Ant 5	52	5260	18.70	19.00	1.072	98.1	1.019	-0.14	1.260	1.376
	WLAN5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 5	62	5310	16.80	17.00	1.047	96.43	1.037	-0.12	0.889	0.965
	WLAN5GHz	802.11n-HT40 MCS0	Left Side	0mm	Ant 5	54	5270	20.70	21.00	1.072	96.43	1.037	-0.16	0.561	0.623
	WLAN5GHz	802.11n-HT40 MCS0	Right Side	0mm	Ant 5	54	5270	20.70	21.00	1.072	96.43	1.037	0.02	0.001	0.001
	WLAN5GHz	802.11n-HT40 MCS0	Top Side	0mm	Ant 5	54	5270	20.70	21.00	1.072	96.43	1.037	-0.1	0.381	0.423

Standalone															
Plot No.	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 10g SAR (W/kg)	Reported 10g SAR (W/kg)
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 4	138	5690	20.50	21.00	1.122	92.22	1.084	0.19	1.320	1.605
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 4	138	5690	20.50	21.00	1.122	92.22	1.084	-0.14	1.090	1.326
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 4	138	5690	20.50	21.00	1.122	92.22	1.084	0.04	0.017	0.021
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 4	138	5690	20.50	21.00	1.122	92.22	1.084	0.1	0.077	0.094
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 4	138	5690	20.50	21.00	1.122	92.22	1.084	-0.07	0.675	0.821
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 5	138	5690	18.80	19.50	1.175	92.77	1.078	-0.01	0.284	0.360
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5	138	5690	18.80	19.50	1.175	92.77	1.078	-0.05	1.620	2.052
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5	122	5610	18.70	19.50	1.202	92.77	1.078	-0.03	1.380	1.789
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5	106	5530	16.70	17.00	1.072	92.77	1.078	0.01	0.822	0.949
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 5	138	5690	18.80	19.50	1.175	92.77	1.078	-0.06	0.235	0.298
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5	138	5690	18.80	19.50	1.175	92.77	1.078	0.1	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5	138	5690	18.80	19.50	1.175	92.77	1.078	-0.05	0.218	0.276
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 5	138	5690	20.80	21.00	1.047	92.77	1.078	-0.11	0.340	0.384
78	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5	138	5690	20.80	21.00	1.047	92.77	1.078	-0.07	2.350	2.653
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5	138	5690	20.80	21.00	1.047	92.77	1.078	-0.07	2.210	2.495
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5	122	5610	20.50	21.00	1.122	92.77	1.078	-0.03	2.110	2.552
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	0mm	Ant 5	106	5530	16.80	17.00	1.047	92.77	1.078	0.01	0.851	0.961
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Side	0mm	Ant 5	138	5690	20.80	21.00	1.047	92.77	1.078	-0.06	0.001	0.001
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 5	138	5690	20.80	21.00	1.047	92.77	1.078	0.1	0.348	0.393



15.5 Repeated SAR Measurement

No.	Band	Mode	Test Position	Gap (mm)	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)	Ratio	Reported 1g SAR (W/kg)
1st	GSM1900_ANT 1	GPRS (4 Tx slots)	Right Cheek	0mm	512	1850.2	20.42	21.80	1.374	-	1.000	-0.03	0.973	-	1.337
2nd	GSM1900_ANT 1	GPRS (4 Tx slots)	Right Cheek	0mm	512	1850.2	20.42	21.80	1.374	-	1.000	0.03	0.951	1.02	1.307
1st	LTE Band 7_ANT 1	20M_QPSK_1_0	Right Cheek	0mm	20850	2510	17.41	18.90	1.409	-	1.000	-0.05	0.954	-	1.344
2nd	LTE Band 7_ANT 1	20M_QPSK_1_0	Right Cheek	0mm	20850	2510	17.41	18.90	1.409	-	1.000	-0.02	0.943	1.01	1.329
1st	LTE Band 30_ANT 1	10M_QPSK_1_0	Right Cheek	0mm	27710	2310	17.09	18.90	1.517	-	1.000	-0.14	0.890	-	1.350
2nd	LTE Band 30_ANT 1	10M_QPSK_1_0	Right Cheek	0mm	27710	2310	17.09	18.90	1.517	-	1.000	0.09	0.867	1.03	1.315
1st	LTE Band 66_ANT 1	20M_QPSK_1_0	Right Cheek	0mm	132572	1770	20.45	21.80	1.365	-	1.000	-0.14	0.986	-	1.345
2nd	LTE Band 66_ANT 1	20M_QPSK_1_0	Right Cheek	0mm	132572	1770	20.45	21.80	1.365	-	1.000	-0.14	0.971	1.02	1.325
1st	LTE Band 71_ANT 1	20M_QPSK_1_0	Right Cheek	0mm	133322	683	24.78	25.00	1.052	-	1.000	-0.12	0.944	-	0.993
2nd	LTE Band 71_ANT 1	20M_QPSK_1_0	Right Cheek	0mm	133322	683	24.78	25.00	1.052	-	1.000	0.04	0.928	1.02	0.976
1st	LTE Band 48_ANT 1	20M_QPSK_1_0	Right Cheek	0mm	56640	3690	20.34	21.90	1.432	62.9	1.006	-0.03	0.937	-	1.350
2nd	LTE Band 48_ANT 1	20M_QPSK_1_0	Right Cheek	0mm	56640	3690	20.34	21.90	1.432	62.9	1.006	-0.03	0.853	1.10	1.229
1st	WCDMA IV_ANT 1	RMC12.2Kbps	Top Side	10mm	1312	1712.4	23.42	24.00	1.143	-	1.000	-0.19	0.852	-	0.974
2nd	WCDMA IV_ANT 1	RMC12.2Kbps	Top Side	10mm	1312	1712.4	23.42	24.00	1.143	-	1.000	-0.09	0.838	1.02	0.958
1st	CDMA BC0_ANT 0C	RTAP 153.6Kbps	Back	10mm	777	848.31	23.31	23.50	1.045	-	1.000	-0.15	0.953	-	0.996
2nd	CDMA BC0_ANT 0C	RTAP 153.6Kbps	Back	10mm	777	848.31	23.31	23.50	1.045	-	1.000	-0.02	0.921	1.04	0.962
1st	LTE Band 14_ANT 0C	10M_QPSK_1_0	Back	10mm	23330	793	24.7	25.00	1.072	-	1.000	0	0.913	-	0.978
2nd	LTE Band 14_ANT 0C	10M_QPSK_1_0	Back	10mm	23330	793	24.7	25.00	1.072	-	1.000	0	0.901	1.01	0.965

No.	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)	Ratio	Reported 1g SAR (W/kg)
1st	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 2	1	2412	22.56	23	1.107	98.92	1.011	-0.03	0.999	-	1.118
2nd	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 2	1	2412	22.56	23	1.107	98.92	1.011	-0.08	0.911	1.10	1.019
1st	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 4+5(4)	54	5270	20.6	21	1.096	96.43	1.037	-0.03	0.304	-	0.346
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 4+5(5)	54	5270	20.7	21	1.072	96.43	1.037	-0.03	0.807	-	0.897
2nd	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 4+5(4)	54	5270	20.6	21	1.096	96.43	1.037	-0.09	0.288	1.01	0.327
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 4+5(5)	54	5270	20.7	21	1.072	96.43	1.037	-0.09	0.802	-	0.891
1st	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+5(4)	155	5775	20.4	21	1.148	92.81	1.077	-0.11	0.291	-	0.360
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+5(5)	155	5775	19.9	20	1.023	92.81	1.077	-0.11	0.879	-	0.969
2nd	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+5(4)	155	5775	20.4	21	1.148	92.81	1.077	0.07	0.276	1.05	0.341
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 4+5(5)	155	5775	19.9	20	1.023	92.81	1.077	0.07	0.836	-	0.921

No.	Band	Mode	Test Position	Gap (mm)	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Ratio	Reported 1g SAR (W/kg)
1st	CDMA BC1_ANT 1	RTAP 153.6Kbps	Top Side	0mm	1175	1908.75	22.45	23.00	1.135	-0.02	3.120	-	3.541
2nd	CDMA BC1_ANT 1	RTAP 153.6Kbps	Top Side	0mm	1175	1908.75	22.45	23.00	1.135	-0.02	2.977	1.05	3.379
1st	LTE Band 7_ANT 0B	20M_QPSK_1_0	Right Side	0mm	21100	2535	22.2	22.50	1.072	0.1	3.330	-	3.568
2nd	LTE Band 7_ANT 0B	20M_QPSK_1_0	Right Side	0mm	21100	2535	22.2	22.50	1.072	0.1	3.079	1.08	3.299
1st	LTE Band 30_ANT 1	10M_QPSK_1_0	Top Side	0mm	27710	2310	23.81	24.50	1.172	0.13	2.850	-	3.341
2nd	LTE Band 30_ANT 1	10M_QPSK_1_0	Top Side	0mm	27710	2310	23.81	24.50	1.172	0.13	2.684	1.07	3.146

No.	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 10g SAR (W/kg)	Ratio	Reported 10g SAR (W/kg)
1st	WLAN2.4GHz	802.11b 1Mbps	Left Side	0mm	Ant 2	1	2412	22.56	23	1.107	98.92	1.011	0.05	2.940	-	3.289
2nd	WLAN2.4GHz	802.11b 1Mbps	Left Side	0mm	Ant 2	1	2412	22.56	23	1.107	98.92	1.011	0.01	2.777	1.06	3.107
1st	WLAN5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 5	54	5270	20.70	21.00	1.072	96.43	1.037	0.12	2.210	-	2.456
2nd	WLAN5GHz	802.11n-HT40 MCS0	Back	0mm	Ant 5	54	5270	20.70	21.00	1.072	96.43	1.037	0.13	2.030	1.09	2.256
1st	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5	138	5690	20.80	21.00	1.047	92.77	1.078	-0.07	2.350	-	2.653
2nd	WLAN5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 5	138	5690	20.80	21.00	1.047	92.77	1.078	-0.07	2.210	1.06	2.495

General Note:

- Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is $\geq 0.8W/kg$.
- Per KDB 865664 D01v01r04, if the ratio among the repeated measurement is ≤ 1.2 and the measured SAR $< 1.45W/kg$, only one repeated measurement is required.
- Per KDB 865664 D01v01r04, if the extremity repeated SAR is necessary, the same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds.
- The ratio is the difference in percentage between original and repeated *measured SAR*.
- All measurement SAR result is scaled-up to account for tune-up tolerance and is compliant.



15.6 LTE Band 41 Power Class 2 and Power Class 3 Linearity

This device support Power Class 2 and Power Class 3 operations for LTE Band 41. The highest available duty cycle for Power Class 2 operation is 43.3% using UL-DL configuration 1. Per FCC Guidance based on the device behavior, all SAR tests were performed using Power Class 3. Power Class 2 is tested using the highest SAR test configuration in Power Class 3 for each LTE configuration and exposure condition combination, according to the highest time averaged power for all applicable uplink-downlink configurations in Power Class 2. When the reported SAR vs. output power is linearly scaled with < 10% discrepancy between power classes and all reported SAR are < 1.4 W/kg, Separate SAR testing for Power Class 2 is not required

<LTE Band 41 Linearity Data for Head>

Standalone	LTE Band 41	LTE Band 41
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	20.6	22.9
Reported 1g SAR (W/kg)	1.281	1.356
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	72.68	84.43
Linearity SAR(W/kg)	1.49	
% deviation from expected linearity		-8.88%

UL CA active	LTE Band 41	LTE Band 41
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	20.6	22.9
Reported 1g SAR (W/kg)	0.995	1.1
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	72.68	84.43
Linearity SAR(W/kg)	1.16	
% deviation from expected linearity		-4.83%

<LTE Band 41 Linearity Data for Hotspot and Body-worn>

Standalone	LTE Band 41	LTE Band 41
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	23.5	25.5
Reported 1g SAR (W/kg)	0.958	0.949
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	141.71	153.63
Linearity SAR(W/kg)	1.04	
% deviation from expected linearity		-8.63%

UL CA active	LTE Band 41	LTE Band 41
	(Power Class 3)	(Power Class 2)
Maximum Tune up Power (dBm)	23.5	25.5
Reported 1g SAR (W/kg)	0.915	0.913
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	141.71	153.63
Linearity SAR(W/kg)	0.99	
% deviation from expected linearity		-7.96%



16. Simultaneous Transmission Analysis

RF Exposure conditions	Item	Capable Transmit Configuration	
			SAR
Head ⁽¹⁾	1	WWAN off (Cellular off)	WiFi 5G SISO (Ant5) + Bluetooth (Ant2)
	2		WiFi 5G SISO (Ant4) + Bluetooth (Ant2)
	3		WiFi 5G MIMO (Ant5+Ant4) + Bluetooth (Ant2)
	4		WiFi 2.4G SISO (Ant2) + WiFi 5G SISO (Ant5)
	5	WWAN ON (Cellular on)	WiFi 5G SISO (Ant5) + Bluetooth (Ant2)
	6		WiFi 5G SISO (Ant4) + Bluetooth (Ant2)
	7		WiFi 5G MIMO (Ant5+4) + Bluetooth (Ant2)
	8		WiFi 5G SISO (Ant5)
	9		WiFi 5G SISO (Ant4)
	10		WiFi 5G MIMO (Ant5+4)
	11		WiFi 2.4G SISO (Ant2)
	12		WiFi 2.4G SISO (Ant4)
	13		WiFi 2.4G MIMO/CDD (Ant2+4)
	14		Bluetooth (Ant2)
	15		WiFi 2.4G SISO (Ant2) + WiFi 5G SISO (Ant5)

RF Exposure conditions	Item	Capable Transmit Configuration		PD
			SAR/MPE	
Body Worn/Hotspot/ Product Specific/ Mobile Conditions ⁽¹⁾	16	WWAN OFF (Cellular off)	WiFi 5G SISO (Ant5) + Bluetooth (Ant2)	60 GHz Transmitter
	17		WiFi 5G SISO (Ant4) + Bluetooth (Ant2)	
	18		WiFi 5G MIMO (Ant5+4) + Bluetooth (Ant2)	
	19		WiFi 5G SISO (Ant5)	
	20		WiFi 5G SISO (Ant4)	
	21		WiFi 5G MIMO (Ant5+4)	
	22		WiFi 2.4G SISO (Ant2)	
	23		WiFi 2.4G SISO (Ant4)	
	24		WiFi 2.4G MIMO/CDD (Ant2+4)	
	25		Bluetooth (Ant2)	
	26		WiFi 2.4G SISO (Ant2) + WiFi 5G SISO (Ant5)	
	27	WWAN ON (Cellular on)	WiFi 5G SISO (Ant5) + Bluetooth (Ant2)	
	28		WiFi 5G SISO (Ant4) + Bluetooth (Ant2)	
	29		WiFi 5G MIMO (Ant5+4) + Bluetooth (Ant2)	
	30		WiFi 5G SISO (Ant5)	
	31		WiFi 5G SISO (Ant4)	
	32		WiFi 5G MIMO (Ant5+4)	
	33		WiFi 2.4G SISO (Ant2)	
	34		WiFi 2.4G SISO (Ant4)	
35	WiFi 2.4G MIMO/CDD (Ant2+4)			
36	Bluetooth (Ant2)			
37	WiFi 2.4G SISO (Ant2) + WiFi 5G SISO (Ant5)			

General Note:

- When WWAN single transmitting or WWAN off and WiFi/BT is transmitting which is consider as standalone mode, When WWAN and WLAN/BT transmission at the same time which is consider as simultaneous transmission mode, for mobile condition is considered more than 20cm usage for this device refer to sporton report No.: FA8N0620-05B..
- The PD simultaneous transmission analysis refers to PD evaluation report.
- This device WLAN 2.4GHz / 5.2GHz / 5.8GHz supports Hotspot operation and Bluetooth support tethering applications.
- The worst case WLAN reported SAR for each configuration was used for SAR summation, regardless of whether the WLAN channel has WiFi Direct and Hotspot capability. Therefore, the following summations represent the absolute worst cases for simultaneous transmission with WLAN.
- The Scaled SAR summation is calculated based on the same configuration and test position.
- Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
 - Scalar SAR summation < 1.6W/kg.
 - $SPLSR = (SAR1 + SAR2)^{1.5} / (\text{min. separation distance, mm})$, and the peak separation distance is determined from the square root of $[(x1-x2)^2 + (y1-y2)^2 + (z1-z2)^2]$, where (x1, y1, z1) and (x2, y2, z2) are the coordinates of the extrapolated peak SAR locations in the zoom scan.
 - If $SPLSR \leq 0.04$ for 1g SAR, if $SPLSR < 0.1$ for 10g SAR, simultaneously transmission SAR measurement is not necessary.
 - Simultaneously transmission SAR measurement, and the reported multi-band SAR < 1.6W/kg.



16.1 Head Exposure Conditions

<Standalone>

Exposure Position	2	3	4	5	6	2+5 Summed 1g SAR (W/kg)	2+3 Summed 1g SAR (W/kg)	4+5+6 Summed 1g SAR (W/kg)
	2.4GHz WLAN Ant 2 1g SAR (W/kg)	2.4GHz WLAN Ant 4 1g SAR (W/kg)	5GHz WLAN Ant 4 1g SAR (W/kg)	5GHz WLAN Ant 5 1g SAR (W/kg)	Bluetooth Ant 2 1g SAR (W/kg)			
Right Cheek	0.216	0.334	0.436	0.297	0.139	0.513	0.550	0.872
Right Tilted	0.042	0.338	0.436	0.268	0.031	0.310	0.380	0.735
Left Cheek	0.101	0.474	0.185	0.114	0.124	0.215	0.575	0.423
Left Tilted	0.022	0.543	0.207	0.076	0.033	0.098	0.565	0.316

<Simultaneous Transmission is active

<WWAN 0B antenna>

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	1+3 Summed 1g SAR (W/kg)	1+7 Summed 1g SAR (W/kg)	1+4+6 Summed 1g SAR (W/kg)	1+5+6 Summed 1g SAR (W/kg)	1+6+8 Summed 1g SAR (W/kg)	1+2+5 Summed 1g SAR (W/kg)
		WWAN 1g SAR (W/kg)	2.4GHz WLAN Ant 2 1g SAR (W/kg)	2.4GHz WLAN Ant 4 1g SAR (W/kg)	5GHz WLAN Ant 4 1g SAR (W/kg)	5GHz WLAN Ant 5 1g SAR (W/kg)	Bluetooth Ant 2 1g SAR (W/kg)	2.4GHz WLAN Ant 2+4 1g SAR (W/kg)	5GHz WLAN Ant 4+5 1g SAR (W/kg)						
GSM1900_ANT 0B	Right Cheek	0.271	0.216	0.334	0.436	0.297	0.139	0.588	0.458	0.605	0.859	0.846	0.707	0.868	0.784
	Right Tilted	0.085	0.042	0.338	0.436	0.268	0.031	0.410	0.453	0.423	0.495	0.552	0.384	0.569	0.395
	Left Cheek	0.081	0.101	0.474	0.185	0.114	0.124	0.410	0.396	0.555	0.491	0.390	0.319	0.601	0.296
	Left Tilted	0.080	0.022	0.543	0.207	0.076	0.033	0.547	0.420	0.623	0.627	0.320	0.189	0.533	0.178
WCDMA II_ANT 0B	Right Cheek	0.260	0.216	0.334	0.436	0.297	0.139	0.588	0.458	0.594	0.848	0.835	0.696	0.857	0.773
	Right Tilted	0.197	0.042	0.338	0.436	0.268	0.031	0.410	0.453	0.535	0.607	0.664	0.496	0.681	0.507
	Left Cheek	0.133	0.101	0.474	0.185	0.114	0.124	0.410	0.396	0.607	0.543	0.442	0.371	0.653	0.348
WCDMA IV_ANT 0B	Right Cheek	0.242	0.216	0.334	0.436	0.297	0.139	0.588	0.458	0.576	0.830	0.817	0.678	0.839	0.755
	Right Tilted	0.220	0.042	0.338	0.436	0.268	0.031	0.410	0.453	0.558	0.630	0.687	0.519	0.704	0.530
	Left Cheek	0.138	0.101	0.474	0.185	0.114	0.124	0.410	0.396	0.612	0.548	0.447	0.376	0.658	0.353
CDMA BC1_ANT 0B	Right Cheek	0.392	0.216	0.334	0.436	0.297	0.139	0.588	0.458	0.726	0.980	0.967	0.828	0.989	0.905
	Right Tilted	0.201	0.042	0.338	0.436	0.268	0.031	0.410	0.453	0.539	0.611	0.668	0.500	0.685	0.511
	Left Cheek	0.136	0.101	0.474	0.185	0.114	0.124	0.410	0.396	0.610	0.546	0.445	0.374	0.656	0.351
LTE Band 7_ANT 0B	Right Cheek	0.826	0.216	0.334	0.436	0.297	0.139	0.588	0.458	1.160	1.414	1.401	1.262	1.423	1.339
	Right Tilted	0.324	0.042	0.338	0.436	0.268	0.031	0.410	0.453	0.662	0.734	0.791	0.623	0.808	0.634
	Left Cheek	0.485	0.101	0.474	0.185	0.114	0.124	0.410	0.396	0.959	0.895	0.794	0.723	1.005	0.700
LTE Band 25_ANT 0B	Right Cheek	0.467	0.022	0.543	0.207	0.076	0.033	0.547	0.420	1.010	1.014	0.707	0.576	0.920	0.565
	Right Cheek	0.348	0.216	0.334	0.436	0.297	0.139	0.588	0.458	0.682	0.936	0.923	0.784	0.945	0.861
	Right Tilted	0.068	0.042	0.338	0.436	0.268	0.031	0.410	0.453	0.406	0.478	0.535	0.367	0.552	0.378
LTE Band 30_ANT 0B	Left Cheek	0.114	0.101	0.474	0.185	0.114	0.124	0.410	0.396	0.588	0.524	0.423	0.352	0.634	0.329
	Left Tilted	0.088	0.022	0.543	0.207	0.076	0.033	0.547	0.420	0.631	0.635	0.328	0.197	0.541	0.186
	Right Cheek	0.472	0.216	0.334	0.436	0.297	0.139	0.588	0.458	0.806	1.060	1.047	0.908	1.069	0.985
LTE Band 41_ANT 0B	Right Tilted	0.242	0.042	0.338	0.436	0.268	0.031	0.410	0.453	0.580	0.652	0.709	0.541	0.726	0.552
	Left Cheek	0.173	0.101	0.474	0.185	0.114	0.124	0.410	0.396	0.647	0.583	0.482	0.411	0.693	0.388
	Left Tilted	0.180	0.022	0.543	0.207	0.076	0.033	0.547	0.420	0.723	0.727	0.420	0.289	0.633	0.278
LTE Band 66_ANT 0B	Right Cheek	0.515	0.216	0.334	0.436	0.297	0.139	0.588	0.458	0.849	1.103	1.090	0.951	1.112	1.028
	Right Tilted	0.168	0.042	0.338	0.436	0.268	0.031	0.410	0.453	0.506	0.578	0.635	0.467	0.652	0.478
	Left Cheek	0.288	0.101	0.474	0.185	0.114	0.124	0.410	0.396	0.762	0.698	0.597	0.526	0.808	0.503
LTE Band 66_ANT 0B	Left Tilted	0.198	0.022	0.543	0.207	0.076	0.033	0.547	0.420	0.741	0.745	0.438	0.307	0.651	0.296
	Right Cheek	0.259	0.216	0.334	0.436	0.297	0.139	0.588	0.458	0.593	0.847	0.834	0.695	0.856	0.772
	Right Tilted	0.189	0.042	0.338	0.436	0.268	0.031	0.410	0.453	0.527	0.599	0.656	0.488	0.673	0.499
LTE Band 66_ANT 0B	Left Cheek	0.127	0.101	0.474	0.185	0.114	0.124	0.410	0.396	0.601	0.537	0.436	0.365	0.647	0.342
	Left Tilted	0.089	0.022	0.543	0.207	0.076	0.033	0.547	0.420	0.632	0.636	0.329	0.198	0.542	0.187



<WWAN 0C antenna>

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	1+3 Summed 1g SAR (W/kg)	1+7 Summed 1g SAR (W/kg)	1+4+6 Summed 1g SAR (W/kg)	1+5+6 Summed 1g SAR (W/kg)	1+6+8 Summed 1g SAR (W/kg)	1+2+5 Summed 1g SAR (W/kg)
		WWAN	2.4GHz WLAN Ant 2	2.4GHz WLAN Ant 4	5GHz WLAN Ant 4	5GHz WLAN Ant 5	Bluetooth Ant 2	2.4GHz WLAN Ant 2+4	5GHz WLAN Ant 4+5						
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)						
GSM850_ANT 0C	Right Cheek	0.190	0.216	0.334	0.436	0.297	0.139	0.588	0.458	0.524	0.778	0.765	0.626	0.787	0.703
	Right Tilted	0.111	0.042	0.338	0.436	0.268	0.031	0.410	0.453	0.449	0.521	0.578	0.410	0.595	0.421
	Left Cheek	0.281	0.101	0.474	0.185	0.114	0.124	0.410	0.396	0.755	0.691	0.590	0.519	0.801	0.496
	Left Tilted	0.181	0.022	0.543	0.207	0.076	0.033	0.547	0.420	0.724	0.728	0.421	0.290	0.634	0.279
GSM1900_ANT 0C	Right Cheek	0.233	0.216	0.334	0.436	0.297	0.139	0.588	0.458	0.567	0.821	0.808	0.669	0.830	0.746
	Right Tilted	0.134	0.042	0.338	0.436	0.268	0.031	0.410	0.453	0.472	0.544	0.601	0.433	0.618	0.444
	Left Cheek	0.438	0.101	0.474	0.185	0.114	0.124	0.410	0.396	0.912	0.848	0.747	0.676	0.958	0.653
	Left Tilted	0.300	0.022	0.543	0.207	0.076	0.033	0.547	0.420	0.843	0.847	0.540	0.409	0.753	0.398
WCDMA II_ANT 0C	Right Cheek	0.331	0.216	0.334	0.436	0.297	0.139	0.588	0.458	0.665	0.919	0.906	0.767	0.928	0.844
	Right Tilted	0.190	0.042	0.338	0.436	0.268	0.031	0.410	0.453	0.528	0.600	0.657	0.489	0.674	0.500
	Left Cheek	0.659	0.101	0.474	0.185	0.114	0.124	0.410	0.396	1.133	1.069	0.968	0.897	1.179	0.874
	Left Tilted	0.427	0.022	0.543	0.207	0.076	0.033	0.547	0.420	0.970	0.974	0.667	0.536	0.880	0.525
WCDMA IV_ANT 0C	Right Cheek	0.237	0.216	0.334	0.436	0.297	0.139	0.588	0.458	0.571	0.825	0.812	0.673	0.834	0.750
	Right Tilted	0.174	0.042	0.338	0.436	0.268	0.031	0.410	0.453	0.512	0.584	0.641	0.473	0.658	0.484
	Left Cheek	0.507	0.101	0.474	0.185	0.114	0.124	0.410	0.396	0.981	0.917	0.816	0.745	1.027	0.722
	Left Tilted	0.312	0.022	0.543	0.207	0.076	0.033	0.547	0.420	0.855	0.859	0.552	0.421	0.765	0.410
WCDMA V_ANT 0C	Right Cheek	0.237	0.216	0.334	0.436	0.297	0.139	0.588	0.458	0.571	0.825	0.812	0.673	0.834	0.750
	Right Tilted	0.158	0.042	0.338	0.436	0.268	0.031	0.410	0.453	0.496	0.568	0.625	0.457	0.642	0.468
	Left Cheek	0.552	0.101	0.474	0.185	0.114	0.124	0.410	0.396	1.026	0.962	0.861	0.790	1.072	0.767
	Left Tilted	0.335	0.022	0.543	0.207	0.076	0.033	0.547	0.420	0.878	0.882	0.575	0.444	0.788	0.433
CDMA BC1_ANT 0C	Right Cheek	0.349	0.216	0.334	0.436	0.297	0.139	0.588	0.458	0.683	0.937	0.924	0.785	0.946	0.862
	Right Tilted	0.214	0.042	0.338	0.436	0.268	0.031	0.410	0.453	0.552	0.624	0.681	0.513	0.698	0.524
	Left Cheek	0.608	0.101	0.474	0.185	0.114	0.124	0.410	0.396	1.082	1.018	0.917	0.846	1.128	0.823
	Left Tilted	0.481	0.022	0.543	0.207	0.076	0.033	0.547	0.420	1.024	1.028	0.721	0.590	0.934	0.579
CDMA BC0_ANT 0C	Right Cheek	0.259	0.216	0.334	0.436	0.297	0.139	0.588	0.458	0.593	0.847	0.834	0.695	0.856	0.772
	Right Tilted	0.243	0.042	0.338	0.436	0.268	0.031	0.410	0.453	0.581	0.653	0.710	0.542	0.727	0.553
	Left Cheek	0.561	0.101	0.474	0.185	0.114	0.124	0.410	0.396	1.035	0.971	0.870	0.799	1.081	0.776
	Left Tilted	0.362	0.022	0.543	0.207	0.076	0.033	0.547	0.420	0.905	0.909	0.602	0.471	0.815	0.460
CDMA BC10_ANT 0C	Right Cheek	0.115	0.216	0.334	0.436	0.297	0.139	0.588	0.458	0.449	0.703	0.690	0.551	0.712	0.628
	Right Tilted	0.107	0.042	0.338	0.436	0.268	0.031	0.410	0.453	0.445	0.517	0.574	0.406	0.591	0.417
	Left Cheek	0.277	0.101	0.474	0.185	0.114	0.124	0.410	0.396	0.751	0.687	0.586	0.515	0.797	0.492
	Left Tilted	0.177	0.022	0.543	0.207	0.076	0.033	0.547	0.420	0.720	0.724	0.417	0.286	0.630	0.275
LTE Band 12_ANT 0C	Right Cheek	0.230	0.216	0.334	0.436	0.297	0.139	0.588	0.458	0.564	0.818	0.805	0.666	0.827	0.743
	Right Tilted	0.204	0.042	0.338	0.436	0.268	0.031	0.410	0.453	0.542	0.614	0.671	0.503	0.688	0.514
	Left Cheek	0.354	0.101	0.474	0.185	0.114	0.124	0.410	0.396	0.828	0.764	0.663	0.592	0.874	0.569
	Left Tilted	0.252	0.022	0.543	0.207	0.076	0.033	0.547	0.420	0.795	0.799	0.492	0.361	0.705	0.350
LTE Band 13_ANT 0C	Right Cheek	0.306	0.216	0.334	0.436	0.297	0.139	0.588	0.458	0.640	0.894	0.881	0.742	0.903	0.819
	Right Tilted	0.290	0.042	0.338	0.436	0.268	0.031	0.410	0.453	0.628	0.700	0.757	0.589	0.774	0.600
	Left Cheek	0.472	0.101	0.474	0.185	0.114	0.124	0.410	0.396	0.946	0.882	0.781	0.710	0.992	0.687
	Left Tilted	0.285	0.022	0.543	0.207	0.076	0.033	0.547	0.420	0.828	0.832	0.525	0.394	0.738	0.383
LTE Band 14_ANT 0C	Right Cheek	0.256	0.216	0.334	0.436	0.297	0.139	0.588	0.458	0.590	0.844	0.831	0.692	0.853	0.769
	Right Tilted	0.229	0.042	0.338	0.436	0.268	0.031	0.410	0.453	0.567	0.639	0.696	0.528	0.713	0.539
	Left Cheek	0.498	0.101	0.474	0.185	0.114	0.124	0.410	0.396	0.972	0.908	0.807	0.736	1.018	0.713
	Left Tilted	0.311	0.022	0.543	0.207	0.076	0.033	0.547	0.420	0.854	0.858	0.551	0.420	0.764	0.409
LTE Band 25_ANT 0C	Right Cheek	0.411	0.216	0.334	0.436	0.297	0.139	0.588	0.458	0.745	0.999	0.986	0.847	1.008	0.924
	Right Tilted	0.187	0.042	0.338	0.436	0.268	0.031	0.410	0.453	0.525	0.597	0.654	0.486	0.671	0.497
	Left Cheek	0.666	0.101	0.474	0.185	0.114	0.124	0.410	0.396	1.140	1.076	0.975	0.904	1.186	0.881
	Left Tilted	0.460	0.022	0.543	0.207	0.076	0.033	0.547	0.420	1.003	1.007	0.700	0.569	0.913	0.558
LTE Band 26_ANT 1	Right Cheek	0.176	0.216	0.334	0.436	0.297	0.139	0.588	0.458	0.510	0.764	0.751	0.612	0.773	0.689
	Right Tilted	0.166	0.042	0.338	0.436	0.268	0.031	0.410	0.453	0.504	0.576	0.633	0.465	0.650	0.476



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	Left Cheek	0.430	0.101	0.474	0.185	0.114	0.124	0.410	0.396	0.904	0.840	0.739	0.668	0.950	0.645
	Left Tilted	0.288	0.022	0.543	0.207	0.076	0.033	0.547	0.420	0.831	0.835	0.528	0.397	0.741	0.386
LTE Band 30_ANT 0C	Right Cheek	0.223	0.216	0.334	0.436	0.297	0.139	0.588	0.458	0.557	0.811	0.798	0.659	0.820	0.736
	Right Tilted	0.142	0.042	0.338	0.436	0.268	0.031	0.410	0.453	0.480	0.552	0.609	0.441	0.626	0.452
	Left Cheek	0.519	0.101	0.474	0.185	0.114	0.124	0.410	0.396	0.993	0.929	0.828	0.757	1.039	0.734
	Left Tilted	0.096	0.022	0.543	0.207	0.076	0.033	0.547	0.420	0.639	0.643	0.336	0.205	0.549	0.194
LTE Band 41_ANT 0C	Right Cheek	0.177	0.216	0.334	0.436	0.297	0.139	0.588	0.458	0.511	0.765	0.752	0.613	0.774	0.690
	Right Tilted	0.091	0.042	0.338	0.436	0.268	0.031	0.410	0.453	0.429	0.501	0.558	0.390	0.575	0.401
	Left Cheek	0.441	0.101	0.474	0.185	0.114	0.124	0.410	0.396	0.915	0.851	0.750	0.679	0.961	0.656
	Left Tilted	0.094	0.022	0.543	0.207	0.076	0.033	0.547	0.420	0.637	0.641	0.334	0.203	0.547	0.192
LTE Band 66_ANT 0C	Right Cheek	0.248	0.216	0.334	0.436	0.297	0.139	0.588	0.458	0.582	0.836	0.823	0.684	0.845	0.761
	Right Tilted	0.181	0.042	0.338	0.436	0.268	0.031	0.410	0.453	0.519	0.591	0.648	0.480	0.665	0.491
	Left Cheek	0.530	0.101	0.474	0.185	0.114	0.124	0.410	0.396	1.004	0.940	0.839	0.768	1.050	0.745
	Left Tilted	0.325	0.022	0.543	0.207	0.076	0.033	0.547	0.420	0.868	0.872	0.565	0.434	0.778	0.423
LTE Band 71_ANT 0C	Right Cheek	0.171	0.216	0.334	0.436	0.297	0.139	0.588	0.458	0.505	0.759	0.746	0.607	0.768	0.684
	Right Tilted	0.134	0.042	0.338	0.436	0.268	0.031	0.410	0.453	0.472	0.544	0.601	0.433	0.618	0.444
	Left Cheek	0.231	0.101	0.474	0.185	0.114	0.124	0.410	0.396	0.705	0.641	0.540	0.469	0.751	0.446
	Left Tilted	0.196	0.022	0.543	0.207	0.076	0.033	0.547	0.420	0.739	0.743	0.436	0.305	0.649	0.294



<WWAN 1 antenna>

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	1+3 Summed 1g SAR (W/kg)	1+7 Summed 1g SAR (W/kg)	1+4+6 Summed 1g SAR (W/kg)	1+5+6 Summed 1g SAR (W/kg)	1+6+8 Summed 1g SAR (W/kg)	1+2+5 Summed 1g SAR (W/kg)
		WWAN 1g SAR (W/kg)	2.4GHz WLAN Ant 2 1g SAR (W/kg)	2.4GHz WLAN Ant 4 1g SAR (W/kg)	5GHz WLAN Ant 4 1g SAR (W/kg)	5GHz WLAN Ant 5 1g SAR (W/kg)	Bluetooth Ant 2 1g SAR (W/kg)	2.4GHz WLAN Ant 2+4 1g SAR (W/kg)	5GHz WLAN Ant 4+5 1g SAR (W/kg)						
GSM850_ANT 1	Right Cheek	0.953	0.216	0.334	0.436	0.297	0.139	0.588	0.458	1.287	1.541	1.528	1.389	1.550	1.466
	Right Tilted	0.555	0.042	0.338	0.436	0.268	0.031	0.410	0.453	0.893	0.965	1.022	0.854	1.039	0.865
	Left Cheek	0.478	0.101	0.474	0.185	0.114	0.124	0.410	0.396	0.952	0.888	0.787	0.716	0.998	0.693
	Left Tilted	0.391	0.022	0.543	0.207	0.076	0.033	0.547	0.420	0.934	0.938	0.631	0.500	0.844	0.489
GSM1900_ANT 1	Right Cheek	0.996	0.216	0.334	0.436	0.297	0.139	0.588	0.458	1.330	1.584	1.571	1.432	1.593	1.509
	Right Tilted	0.433	0.042	0.338	0.436	0.268	0.031	0.410	0.453	0.771	0.843	0.900	0.732	0.917	0.743
	Left Cheek	0.538	0.101	0.474	0.185	0.114	0.124	0.410	0.396	1.012	0.948	0.847	0.776	1.058	0.753
	Left Tilted	0.634	0.022	0.543	0.207	0.076	0.033	0.547	0.420	1.177	1.181	0.874	0.743	1.087	0.732
WCDMA II_ANT 1	Right Cheek	0.948	0.216	0.334	0.436	0.297	0.139	0.588	0.458	1.282	1.536	1.523	1.384	1.545	1.461
	Right Tilted	0.511	0.042	0.338	0.436	0.268	0.031	0.410	0.453	0.849	0.921	0.978	0.810	0.995	0.821
	Left Cheek	0.525	0.101	0.474	0.185	0.114	0.124	0.410	0.396	0.999	0.935	0.834	0.763	1.045	0.740
	Left Tilted	0.522	0.022	0.543	0.207	0.076	0.033	0.547	0.420	1.065	1.069	0.762	0.631	0.975	0.620
WCDMA IV_ANT 1	Right Cheek	0.986	0.216	0.334	0.436	0.297	0.139	0.588	0.458	1.320	1.574	1.561	1.422	1.583	1.499
	Right Tilted	0.730	0.042	0.338	0.436	0.268	0.031	0.410	0.453	1.068	1.140	1.197	1.029	1.214	1.040
	Left Cheek	0.357	0.101	0.474	0.185	0.114	0.124	0.410	0.396	0.831	0.767	0.666	0.595	0.877	0.572
	Left Tilted	0.311	0.022	0.543	0.207	0.076	0.033	0.547	0.420	0.854	0.858	0.551	0.420	0.764	0.409
WCDMA V_ANT 1	Right Cheek	0.945	0.216	0.334	0.436	0.297	0.139	0.588	0.458	1.279	1.533	1.520	1.381	1.542	1.458
	Right Tilted	0.462	0.042	0.338	0.436	0.268	0.031	0.410	0.453	0.800	0.872	0.929	0.761	0.946	0.772
	Left Cheek	0.391	0.101	0.474	0.185	0.114	0.124	0.410	0.396	0.865	0.801	0.700	0.629	0.911	0.606
	Left Tilted	0.354	0.022	0.543	0.207	0.076	0.033	0.547	0.420	0.897	0.901	0.594	0.463	0.807	0.452
CDMA BC1_ANT 1	Right Cheek	0.856	0.216	0.334	0.436	0.297	0.139	0.588	0.458	1.190	1.444	1.431	1.292	1.453	1.369
	Right Tilted	0.339	0.042	0.338	0.436	0.268	0.031	0.410	0.453	0.677	0.749	0.806	0.638	0.823	0.649
	Left Cheek	0.301	0.101	0.474	0.185	0.114	0.124	0.410	0.396	0.775	0.711	0.610	0.539	0.821	0.516
	Left Tilted	0.416	0.022	0.543	0.207	0.076	0.033	0.547	0.420	0.959	0.963	0.656	0.525	0.869	0.514
CDMA BC0_ANT 1	Right Cheek	0.976	0.216	0.334	0.436	0.297	0.139	0.588	0.458	1.310	1.564	1.551	1.412	1.573	1.489
	Right Tilted	0.563	0.042	0.338	0.436	0.268	0.031	0.410	0.453	0.901	0.973	1.030	0.862	1.047	0.873
	Left Cheek	0.447	0.101	0.474	0.185	0.114	0.124	0.410	0.396	0.921	0.857	0.756	0.685	0.967	0.662
	Left Tilted	0.360	0.022	0.543	0.207	0.076	0.033	0.547	0.420	0.903	0.907	0.600	0.469	0.813	0.458
CDMA BC10_ANT 1	Right Cheek	0.913	0.216	0.334	0.436	0.297	0.139	0.588	0.458	1.247	1.501	1.488	1.349	1.510	1.426
	Right Tilted	0.566	0.042	0.338	0.436	0.268	0.031	0.410	0.453	0.904	0.976	1.033	0.865	1.050	0.876
	Left Cheek	0.463	0.101	0.474	0.185	0.114	0.124	0.410	0.396	0.937	0.873	0.772	0.701	0.983	0.678
	Left Tilted	0.377	0.022	0.543	0.207	0.076	0.033	0.547	0.420	0.920	0.924	0.617	0.486	0.830	0.475
LTE Band 7_ANT 1	Right Cheek	0.974	0.216	0.334	0.436	0.297	0.139	0.588	0.458	1.308	1.562	1.549	1.410	1.571	1.487
	Right Tilted	0.796	0.042	0.338	0.436	0.268	0.031	0.410	0.453	1.134	1.206	1.263	1.095	1.280	1.106
	Left Cheek	0.799	0.101	0.474	0.185	0.114	0.124	0.410	0.396	1.273	1.209	1.108	1.037	1.319	1.014
	Left Tilted	0.781	0.022	0.543	0.207	0.076	0.033	0.547	0.420	1.324	1.328	1.021	0.890	1.234	0.879
LTE Band 12_ANT 1	Right Cheek	0.954	0.216	0.334	0.436	0.297	0.139	0.588	0.458	1.288	1.542	1.529	1.390	1.551	1.467
	Right Tilted	0.567	0.042	0.338	0.436	0.268	0.031	0.410	0.453	0.905	0.977	1.034	0.866	1.051	0.877
	Left Cheek	0.467	0.101	0.474	0.185	0.114	0.124	0.410	0.396	0.941	0.877	0.776	0.705	0.987	0.682
	Left Tilted	0.356	0.022	0.543	0.207	0.076	0.033	0.547	0.420	0.899	0.903	0.596	0.465	0.809	0.454
LTE Band 13_ANT 1	Right Cheek	0.891	0.216	0.334	0.436	0.297	0.139	0.588	0.458	1.225	1.479	1.466	1.327	1.488	1.404
	Right Tilted	0.522	0.042	0.338	0.436	0.268	0.031	0.410	0.453	0.860	0.932	0.989	0.821	1.006	0.832
	Left Cheek	0.398	0.101	0.474	0.185	0.114	0.124	0.410	0.396	0.872	0.808	0.707	0.636	0.918	0.613
	Left Tilted	0.321	0.022	0.543	0.207	0.076	0.033	0.547	0.420	0.864	0.868	0.561	0.430	0.774	0.419
LTE Band 14_ANT 1	Right Cheek	0.978	0.216	0.334	0.436	0.297	0.139	0.588	0.458	1.312	1.566	1.553	1.414	1.575	1.491
	Right Tilted	0.723	0.042	0.338	0.436	0.268	0.031	0.410	0.453	1.061	1.133	1.190	1.022	1.207	1.033
	Left Cheek	0.647	0.101	0.474	0.185	0.114	0.124	0.410	0.396	1.121	1.057	0.956	0.885	1.167	0.862
	Left Tilted	0.475	0.022	0.543	0.207	0.076	0.033	0.547	0.420	1.018	1.022	0.715	0.584	0.928	0.573
LTE Band 25_ANT 1	Right Cheek	0.952	0.216	0.334	0.436	0.297	0.139	0.588	0.458	1.286	1.540	1.527	1.388	1.549	1.465
	Right Tilted	0.327	0.042	0.338	0.436	0.268	0.031	0.410	0.453	0.665	0.737	0.794	0.626	0.811	0.637
	Left Cheek	0.291	0.101	0.474	0.185	0.114	0.124	0.410	0.396	0.765	0.701	0.600	0.529	0.811	0.506
	Left Tilted	0.373	0.022	0.543	0.207	0.076	0.033	0.547	0.420	0.916	0.920	0.613	0.482	0.826	0.471
LTE Band 26_ANT 1	Right Cheek	0.942	0.216	0.334	0.436	0.297	0.139	0.588	0.458	1.276	1.530	1.517	1.378	1.539	1.455
	Right Tilted	0.540	0.042	0.338	0.436	0.268	0.031	0.410	0.453	0.878	0.950	1.007	0.839	1.024	0.850
	Left Cheek	0.438	0.101	0.474	0.185	0.114	0.124	0.410	0.396	0.912	0.848	0.747	0.676	0.958	0.653
	Left Tilted	0.394	0.022	0.543	0.207	0.076	0.033	0.547	0.420	0.937	0.941	0.634	0.503	0.847	0.492
LTE Band 30_ANT 1	Right Cheek	0.978	0.216	0.334	0.436	0.297	0.139	0.588	0.458	1.312	1.566	1.553	1.414	1.575	1.491
	Right Tilted	0.703	0.042	0.338	0.436	0.268	0.031	0.410	0.453	1.041	1.113	1.170	1.002	1.187	1.013
	Left Cheek	0.747	0.101	0.474	0.185	0.114	0.124	0.410	0.396	1.221	1.157	1.056	0.985	1.267	0.962
	Left Tilted	0.745	0.022	0.543	0.207	0.076	0.033	0.547	0.420	1.288	1.292	0.985	0.854	1.198	0.843
LTE Band 41_ANT 1	Right Cheek	0.923	0.216	0.334	0.436	0.297	0.139	0.588	0.458	1.257	1.511	1.498	1.359	1.520	1.436
	Right Tilted	0.599	0.042	0.338	0.436	0.268	0.031	0.410	0.453	0.937	1.009	1.066	0.898	1.083	0.909
	Left Cheek	0.532	0.101	0.474	0.185	0.114	0.124	0.410	0.396	1.006	0.942	0.841	0.770	1.052	0.747
	Left Tilted	0.525	0.022	0.543	0.207	0.076	0.033	0.547	0.420	1.068	1.072	0.765	0.634	0.978	0.623
LTE Band 48_ANT 1	Right Cheek	0.983	0.216	0.334	0.436	0.297	0.139	0.588	0.458	1.317	1.571	1.558	1.419	1.580	1.496
	Right Tilted	0.548	0.042	0.338	0.436	0.268	0.031	0.410	0.453	0.886	0.958	1.015	0.847	1.032	0.858
	Left Cheek	0.478	0.101	0.474	0.185	0.114	0.124	0.410	0.396	0.952	0.888	0.787	0.716	0.998	0.693



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LTE Band 66_ANT 1	Left Tilted	0.429	0.022	0.543	0.207	0.076	0.033	0.547	0.420	0.972	0.976	0.669	0.538	0.882	0.527
	Right Cheek	0.997	0.216	0.334	0.436	0.297	0.139	0.588	0.458	1.331	1.585	1.572	1.433	1.594	1.510
	Right Tilted	0.721	0.042	0.338	0.436	0.268	0.031	0.410	0.453	1.059	1.131	1.188	1.020	1.205	1.031
	Left Cheek	0.483	0.101	0.474	0.185	0.114	0.124	0.410	0.396	0.957	0.893	0.792	0.721	1.003	0.698
LTE Band 71_ANT 1	Left Tilted	0.340	0.022	0.543	0.207	0.076	0.033	0.547	0.420	0.883	0.887	0.580	0.449	0.793	0.438
	Right Cheek	0.993	0.216	0.334	0.436	0.297	0.139	0.588	0.458	1.327	1.581	1.568	1.429	1.590	1.506
	Right Tilted	0.952	0.042	0.338	0.436	0.268	0.031	0.410	0.453	1.290	1.362	1.419	1.251	1.436	1.262
	Left Cheek	0.822	0.101	0.474	0.185	0.114	0.124	0.410	0.396	1.296	1.232	1.131	1.060	1.342	1.037
	Left Tilted	0.777	0.022	0.543	0.207	0.076	0.033	0.547	0.420	1.320	1.324	1.017	0.886	1.230	0.875

<WWAN 6 antenna>

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	1+3 Summed 1g SAR (W/kg)	1+7 Summed 1g SAR (W/kg)	1+4+6 Summed 1g SAR (W/kg)	1+5+6 Summed 1g SAR (W/kg)	1+6+8 Summed 1g SAR (W/kg)	1+2+5 Summed 1g SAR (W/kg)
		WWAN	2.4GHz WLAN Ant 2	2.4GHz WLAN Ant 4	5GHz WLAN Ant 4	5GHz WLAN Ant 5	Bluetooth Ant 2	2.4GHz WLAN Ant 2+4	5GHz WLAN Ant 4+5						
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)						
LTE Band 48_ANT 6	Right Cheek	0.179	0.216	0.334	0.436	0.297	0.139	0.588	0.458	0.513	0.767	0.754	0.615	0.776	0.692
	Right Tilted	0.141	0.042	0.338	0.436	0.268	0.031	0.410	0.453	0.479	0.551	0.608	0.440	0.625	0.451
	Left Cheek	0.130	0.101	0.474	0.185	0.114	0.124	0.410	0.396	0.604	0.540	0.439	0.368	0.650	0.345
	Left Tilted	0.099	0.022	0.543	0.207	0.076	0.033	0.547	0.420	0.642	0.646	0.339	0.208	0.552	0.197



16.2 Hotspot Exposure Conditions

<Simultaneous Transmission is active
<WWAN 0B antenna>

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	1+3 Summed 1g SAR (W/kg)	1+7 Summed 1g SAR (W/kg)	1+4+6 Summed 1g SAR (W/kg)	1+5+6 Summed 1g SAR (W/kg)	1+6+8 Summed 1g SAR (W/kg)	1+2+5 Summed 1g SAR (W/kg)	
		WWAN 1g SAR (W/kg)	2.4GHz WLAN Ant 2 1g SAR (W/kg)	2.4GHz WLAN Ant 4 1g SAR (W/kg)	5GHz WLAN Ant 4 1g SAR (W/kg)	5GHz WLAN Ant 5 1g SAR (W/kg)	Bluetooth Ant 2 1g SAR (W/kg)	2.4GHz WLAN Ant 2+4 1g SAR (W/kg)	5GHz WLAN Ant 4+5 1g SAR (W/kg)							
GSM1900_ANT 0B	Front	0.578	0.090	0.211	0.396	0.050	0.174	0.374	0.130	0.789	0.952	1.148	0.802	0.882	0.718	
	Back	0.991	0.173	0.205	0.248	0.293	0.192	0.502	0.399	1.196	1.493	1.431	1.476	1.582	1.457	
	Left side		0.219				0.133	0.195	0.521	0.150	0.000	0.521	0.195	0.328	0.345	0.352
	Right side	0.577		0.013	0.048				0.095	0.030	0.590	0.672	0.625	0.577	0.607	0.577
	Top side		0.015	0.536	0.253	0.135	0.008	0.527	0.209		0.536	0.527	0.261	0.143	0.217	0.150
	Bottom side	0.694									0.694	0.694	0.694	0.694	0.694	0.694
WCDMA II_ANT 0B	Front	0.630	0.090	0.211	0.396	0.050	0.174	0.374	0.130	0.841	1.004	1.200	0.854	0.934	0.770	
	Back	0.945	0.173	0.205	0.248	0.293	0.192	0.502	0.399	1.150	1.447	1.385	1.430	1.536	1.411	
	Left side		0.219				0.133	0.195	0.521	0.150	0.000	0.521	0.195	0.328	0.345	0.352
	Right side	0.599		0.013	0.048				0.095	0.030	0.612	0.694	0.647	0.599	0.629	0.599
	Top side		0.015	0.536	0.253	0.135	0.008	0.527	0.209		0.536	0.527	0.261	0.143	0.217	0.150
	Bottom side	0.549									0.549	0.549	0.549	0.549	0.549	0.549
WCDMA IV_ANT 0B	Front	0.598	0.090	0.211	0.396	0.050	0.174	0.374	0.130	0.809	0.972	1.168	0.822	0.902	0.738	
	Back	0.627	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.832	1.129	1.067	1.112	1.218	1.093	
	Left side		0.219				0.133	0.195	0.521	0.150	0.000	0.521	0.195	0.328	0.345	0.352
	Right side	0.369		0.013	0.048				0.095	0.030	0.382	0.464	0.417	0.369	0.399	0.369
	Top side		0.015	0.536	0.253	0.135	0.008	0.527	0.209		0.536	0.527	0.261	0.143	0.217	0.150
	Bottom side	0.949									0.949	0.949	0.949	0.949	0.949	0.949
CDMA BC1_ANT 0B	Front	0.694	0.090	0.211	0.396	0.050	0.174	0.374	0.130	0.905	1.068	1.264	0.918	0.998	0.834	
	Back	0.987	0.173	0.205	0.248	0.293	0.192	0.502	0.399	1.192	1.489	1.427	1.472	1.578	1.453	
	Left side		0.219				0.133	0.195	0.521	0.150	0.000	0.521	0.195	0.328	0.345	0.352
	Right side	0.631		0.013	0.048				0.095	0.030	0.644	0.726	0.679	0.631	0.661	0.631
	Top side		0.015	0.536	0.253	0.135	0.008	0.527	0.209		0.536	0.527	0.261	0.143	0.217	0.150
	Bottom side	0.759									0.759	0.759	0.759	0.759	0.759	0.759
LTE Band 7_ANT 0B	Front	0.765	0.090	0.211	0.396	0.050	0.174	0.374	0.130	0.976	1.139	1.335	0.989	1.069	0.905	
	Back	0.907	0.173	0.205	0.248	0.293	0.192	0.502	0.399	1.112	1.409	1.347	1.392	1.498	1.373	
	Left side		0.219				0.133	0.195	0.521	0.150	0.000	0.521	0.195	0.328	0.345	0.352
	Right side	0.911		0.013	0.048				0.095	0.030	0.924	1.006	0.959	0.911	0.941	0.911
	Top side		0.015	0.536	0.253	0.135	0.008	0.527	0.209		0.536	0.527	0.261	0.143	0.217	0.150
	Bottom side	0.299									0.299	0.299	0.299	0.299	0.299	0.299
LTE Band 25_ANT 0B	Front	0.709	0.090	0.211	0.396	0.050	0.174	0.374	0.130	0.920	1.083	1.279	0.933	1.013	0.849	
	Back	0.999	0.173	0.205	0.248	0.293	0.192	0.502	0.399	1.204	1.501	1.439	1.484	1.590	1.465	
	Left side		0.219				0.133	0.195	0.521	0.150	0.000	0.521	0.195	0.328	0.345	0.352
	Right side	0.583		0.013	0.048				0.095	0.030	0.596	0.678	0.631	0.583	0.613	0.583
	Top side		0.015	0.536	0.253	0.135	0.008	0.527	0.209		0.536	0.527	0.261	0.143	0.217	0.150
	Bottom side	0.757									0.757	0.757	0.757	0.757	0.757	0.757
LTE Band 30_ANT 0B	Front	0.473	0.090	0.211	0.396	0.050	0.174	0.374	0.130	0.684	0.847	1.043	0.697	0.777	0.613	
	Back	0.704	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.909	1.206	1.144	1.189	1.295	1.170	
	Left side		0.219				0.133	0.195	0.521	0.150	0.000	0.521	0.195	0.328	0.345	0.352
	Right side	0.872		0.013	0.048				0.095	0.030	0.885	0.967	0.920	0.872	0.902	0.872
	Top side		0.015	0.536	0.253	0.135	0.008	0.527	0.209		0.536	0.527	0.261	0.143	0.217	0.150
	Bottom side	0.193									0.193	0.193	0.193	0.193	0.193	0.193
LTE Band 41_ANT 0B	Front	0.533	0.090	0.211	0.396	0.050	0.174	0.374	0.130	0.744	0.907	1.103	0.757	0.837	0.673	
	Back	0.945	0.173	0.205	0.248	0.293	0.192	0.502	0.399	1.150	1.447	1.385	1.430	1.536	1.411	
	Left side		0.219				0.133	0.195	0.521	0.150	0.000	0.521	0.195	0.328	0.345	0.352
	Right side	0.927		0.013	0.048				0.095	0.030	0.940	1.022	0.975	0.927	0.957	0.927
	Top side		0.015	0.536	0.253	0.135	0.008	0.527	0.209		0.536	0.527	0.261	0.143	0.217	0.150
	Bottom side	0.388									0.388	0.388	0.388	0.388	0.388	0.388
LTE Band 66_ANT 0B	Front	0.573	0.090	0.211	0.396	0.050	0.174	0.374	0.130	0.784	0.947	1.143	0.797	0.877	0.713	
	Back	0.649	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.854	1.151	1.089	1.134	1.240	1.115	
	Left side		0.219				0.133	0.195	0.521	0.150	0.000	0.521	0.195	0.328	0.345	0.352
	Right side	0.478		0.013	0.048				0.095	0.030	0.491	0.573	0.526	0.478	0.508	0.478
	Top side		0.015	0.536	0.253	0.135	0.008	0.527	0.209		0.536	0.527	0.261	0.143	0.217	0.150
	Bottom side	0.036									0.036	0.036	0.036	0.036	0.036	0.036



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<WWAN 0C antenna>

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	1+3 Summed 1g SAR (W/kg)	1+7 Summed 1g SAR (W/kg)	1+4+6 Summed 1g SAR (W/kg)	1+5+6 Summed 1g SAR (W/kg)	1+6+8 Summed 1g SAR (W/kg)	1+2+5 Summed 1g SAR (W/kg)	
		WWAN 1g SAR (W/kg)	2.4GHz WLAN Ant 2 1g SAR (W/kg)	2.4GHz WLAN Ant 4 1g SAR (W/kg)	5GHz WLAN Ant 4 1g SAR (W/kg)	5GHz WLAN Ant 5 1g SAR (W/kg)	Bluetooth Ant 2 1g SAR (W/kg)	2.4GHz WLAN Ant 2+4 1g SAR (W/kg)	5GHz WLAN Ant 4+5 1g SAR (W/kg)							
GSM850_ANT 0C	Front	0.922	0.090	0.211	0.396	0.050	0.174	0.374	0.130	1.133	1.296	1.492	1.146	1.226	1.062	
	Back	0.979	0.173	0.205	0.248	0.293	0.192	0.502	0.399	1.184	1.481	1.419	1.464	1.570	1.445	
	Left side	0.412	0.219				0.133	0.195	0.521	0.150	0.412	0.933	0.607	0.740	0.757	0.764
	Right side			0.013	0.048			0.095	0.030		0.013	0.095	0.048	0.000	0.030	0.000
	Top side		0.015	0.536	0.253	0.135	0.008	0.527	0.209		0.536	0.527	0.261	0.143	0.217	0.150
	Bottom side	0.865									0.865	0.865	0.865	0.865	0.865	0.865
GSM1900_ANT 0C	Front	0.369	0.090	0.211	0.396	0.050	0.174	0.374	0.130	0.580	0.743	0.939	0.593	0.673	0.509	
	Back	0.520	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.725	1.022	0.960	1.005	1.111	0.986	
	Left side	0.692	0.219				0.133	0.195	0.521	0.150	0.692	1.213	0.887	1.020	1.037	1.044
	Right side			0.013	0.048			0.095	0.030		0.013	0.095	0.048	0.000	0.030	0.000
	Top side		0.015	0.536	0.253	0.135	0.008	0.527	0.209		0.536	0.527	0.261	0.143	0.217	0.150
	Bottom side	0.218									0.218	0.218	0.218	0.218	0.218	0.218
WCDMA II_ANT 0C	Front	0.328	0.090	0.211	0.396	0.050	0.174	0.374	0.130	0.539	0.702	0.898	0.552	0.632	0.468	
	Back	0.650	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.855	1.152	1.090	1.135	1.241	1.116	
	Left side	0.910	0.219				0.133	0.195	0.521	0.150	0.910	1.431	1.105	1.238	1.255	1.262
	Right side			0.013	0.048			0.095	0.030		0.013	0.095	0.048	0.000	0.030	0.000
	Top side		0.015	0.536	0.253	0.135	0.008	0.527	0.209		0.536	0.527	0.261	0.143	0.217	0.150
	Bottom side	0.246									0.246	0.246	0.246	0.246	0.246	0.246
WCDMA IV_ANT 0C	Front	0.316	0.090	0.211	0.396	0.050	0.174	0.374	0.130	0.527	0.690	0.886	0.540	0.620	0.456	
	Back	0.423	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.628	0.925	0.863	0.908	1.014	0.889	
	Left side	0.714	0.219				0.133	0.195	0.521	0.150	0.714	1.235	0.909	1.042	1.059	1.066
	Right side			0.013	0.048			0.095	0.030		0.013	0.095	0.048	0.000	0.030	0.000
	Top side		0.015	0.536	0.253	0.135	0.008	0.527	0.209		0.536	0.527	0.261	0.143	0.217	0.150
	Bottom side	0.289									0.289	0.289	0.289	0.289	0.289	0.289
WCDMA V_ANT 0C	Front	0.872	0.090	0.211	0.396	0.050	0.174	0.374	0.130	1.083	1.246	1.442	1.096	1.176	1.012	
	Back	0.997	0.173	0.205	0.248	0.293	0.192	0.502	0.399	1.202	1.499	1.437	1.482	1.588	1.463	
	Left side	0.491	0.219				0.133	0.195	0.521	0.150	0.491	1.012	0.686	0.819	0.836	0.843
	Right side			0.013	0.048			0.095	0.030		0.013	0.095	0.048	0.000	0.030	0.000
	Top side		0.015	0.536	0.253	0.135	0.008	0.527	0.209		0.536	0.527	0.261	0.143	0.217	0.150
	Bottom side	0.861									0.861	0.861	0.861	0.861	0.861	0.861
CDMA BC1_ANT 0C	Front	0.523	0.090	0.211	0.396	0.050	0.174	0.374	0.130	0.734	0.897	1.093	0.747	0.827	0.663	
	Back	0.770	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.975	1.272	1.210	1.255	1.361	1.236	
	Left side	0.950	0.219				0.133	0.195	0.521	0.150	0.950	1.471	1.145	1.278	1.295	1.302
	Right side			0.013	0.048			0.095	0.030		0.013	0.095	0.048	0.000	0.030	0.000
	Top side		0.015	0.536	0.253	0.135	0.008	0.527	0.209		0.536	0.527	0.261	0.143	0.217	0.150
	Bottom side	0.476									0.476	0.476	0.476	0.476	0.476	0.476
CDMA BC0_ANT 0C	Front	0.933	0.090	0.211	0.396	0.050	0.174	0.374	0.130	1.144	1.307	1.503	1.157	1.237	1.073	
	Back	0.996	0.173	0.205	0.248	0.293	0.192	0.502	0.399	1.201	1.498	1.436	1.481	1.587	1.462	
	Left side	0.434	0.219				0.133	0.195	0.521	0.150	0.434	0.955	0.629	0.762	0.779	0.786
	Right side			0.013	0.048			0.095	0.030		0.013	0.095	0.048	0.000	0.030	0.000
	Top side		0.015	0.536	0.253	0.135	0.008	0.527	0.209		0.536	0.527	0.261	0.143	0.217	0.150
	Bottom side	0.639									0.639	0.639	0.639	0.639	0.639	0.639
CDMA BC10_ANT 0C	Front	0.857	0.090	0.211	0.396	0.050	0.174	0.374	0.130	1.068	1.231	1.427	1.081	1.161	0.997	
	Back	0.983	0.173	0.205	0.248	0.293	0.192	0.502	0.399	1.188	1.485	1.423	1.468	1.574	1.449	
	Left side	0.373	0.219				0.133	0.195	0.521	0.150	0.373	0.894	0.568	0.701	0.718	0.725
	Right side			0.013	0.048			0.095	0.030		0.013	0.095	0.048	0.000	0.030	0.000
	Top side		0.015	0.536	0.253	0.135	0.008	0.527	0.209		0.536	0.527	0.261	0.143	0.217	0.150
	Bottom side	0.819									0.819	0.819	0.819	0.819	0.819	0.819
LTE Band 12_ANT 0C	Front	0.335	0.090	0.211	0.396	0.050	0.174	0.374	0.130	0.546	0.709	0.905	0.559	0.639	0.475	
	Back	0.384	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.589	0.886	0.824	0.869	0.975	0.850	
	Left side	0.401	0.219				0.133	0.195	0.521	0.150	0.401	0.922	0.596	0.729	0.746	0.753
	Right side			0.013	0.048			0.095	0.030		0.013	0.095	0.048	0.000	0.030	0.000
	Top side		0.015	0.536	0.253	0.135	0.008	0.527	0.209		0.536	0.527	0.261	0.143	0.217	0.150
	Bottom side	0.337									0.337	0.337	0.337	0.337	0.337	0.337
LTE Band 13_ANT 0C	Front	0.564	0.090	0.211	0.396	0.050	0.174	0.374	0.130	0.775	0.938	1.134	0.788	0.868	0.704	
	Back	0.945	0.173	0.205	0.248	0.293	0.192	0.502	0.399	1.150	1.447	1.385	1.430	1.536	1.411	
	Left side	0.901	0.219				0.133	0.195	0.521	0.150	0.901	1.422	1.096	1.229	1.246	1.253
	Right side			0.013	0.048			0.095	0.030		0.013	0.095	0.048	0.000	0.030	0.000
	Top side		0.015	0.536	0.253	0.135	0.008	0.527	0.209		0.536	0.527	0.261	0.143	0.217	0.150
	Bottom side	0.873									0.873	0.873	0.873	0.873	0.873	0.873
LTE Band 14_ANT 0C	Front	0.550	0.090	0.211	0.396	0.050	0.174	0.374	0.130	0.761	0.924	1.120	0.774	0.854	0.690	
	Back	0.978	0.173	0.205	0.248	0.293	0.192	0.502	0.399	1.183	1.480	1.418	1.463	1.569	1.444	
	Left side	0.907	0.219				0.133	0.195	0.521	0.150	0.907	1.428	1.102	1.235	1.252	1.259
	Right side			0.013	0.048			0.095	0.030		0.013	0.095	0.048	0.000	0.030	0.000
	Top side		0.015	0.536	0.253	0.135	0.008	0.527	0.209		0.536	0.527	0.261	0.143	0.217	0.150
	Bottom side	0.923									0.923	0.923	0.923	0.923	0.923	0.923
LTE Band	Front	0.549	0.090	0.211	0.396	0.050	0.174	0.374	0.130	0.760	0.923	1.119	0.773	0.853	0.689	



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25_ANT OC	Back	0.696	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.901	1.198	1.136	1.181	1.287	1.162
	Left side	0.905	0.219			0.133	0.195	0.521	0.150	0.905	1.426	1.100	1.233	1.250	1.257
	Right side			0.013	0.048			0.095	0.030	0.013	0.095	0.048	0.000	0.030	0.000
	Top side		0.015	0.536	0.253	0.135	0.008	0.527	0.209	0.536	0.527	0.261	0.143	0.217	0.150
	Bottom side	0.423								0.423	0.423	0.423	0.423	0.423	0.423
LTE Band 26_ANT 1	Front	0.837	0.090	0.211	0.396	0.050	0.174	0.374	0.130	1.048	1.211	1.407	1.061	1.141	0.977
	Back	0.935	0.173	0.205	0.248	0.293	0.192	0.502	0.399	1.140	1.437	1.375	1.420	1.526	1.401
	Left side	0.359	0.219			0.133	0.195	0.521	0.150	0.359	0.880	0.554	0.687	0.704	0.711
	Right side			0.013	0.048			0.095	0.030	0.013	0.095	0.048	0.000	0.030	0.000
	Top side		0.015	0.536	0.253	0.135	0.008	0.527	0.209	0.536	0.527	0.261	0.143	0.217	0.150
	Bottom side	0.811								0.811	0.811	0.811	0.811	0.811	0.811
LTE Band 30_ANT OC	Front	0.838	0.090	0.211	0.396	0.050	0.174	0.374	0.130	1.049	1.212	1.408	1.062	1.142	0.978
	Back	0.939	0.173	0.205	0.248	0.293	0.192	0.502	0.399	1.144	1.441	1.379	1.424	1.530	1.405
	Left side	0.358	0.219			0.133	0.195	0.521	0.150	0.358	0.879	0.553	0.686	0.703	0.710
	Right side			0.013	0.048			0.095	0.030	0.013	0.095	0.048	0.000	0.030	0.000
	Top side		0.015	0.536	0.253	0.135	0.008	0.527	0.209	0.536	0.527	0.261	0.143	0.217	0.150
	Bottom side	0.810								0.810	0.810	0.810	0.810	0.810	0.810
LTE Band 41_ANT OC	Front	0.548	0.090	0.211	0.396	0.050	0.174	0.374	0.130	0.759	0.922	1.118	0.772	0.852	0.688
	Back	0.749	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.954	1.251	1.189	1.234	1.340	1.215
	Left side	0.741	0.219			0.133	0.195	0.521	0.150	0.741	1.262	0.936	1.069	1.086	1.093
	Right side			0.013	0.048			0.095	0.030	0.013	0.095	0.048	0.000	0.030	0.000
	Top side		0.015	0.536	0.253	0.135	0.008	0.527	0.209	0.536	0.527	0.261	0.143	0.217	0.150
	Bottom side	0.217								0.217	0.217	0.217	0.217	0.217	0.217
LTE Band 66_ANT OC	Front	0.343	0.090	0.211	0.396	0.050	0.174	0.374	0.130	0.554	0.717	0.913	0.567	0.647	0.483
	Back	0.511	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.716	1.013	0.951	0.996	1.102	0.977
	Left side	0.902	0.219			0.133	0.195	0.521	0.150	0.902	1.423	1.097	1.230	1.247	1.254
	Right side			0.013	0.048			0.095	0.030	0.013	0.095	0.048	0.000	0.030	0.000
	Top side		0.015	0.536	0.253	0.135	0.008	0.527	0.209	0.536	0.527	0.261	0.143	0.217	0.150
	Bottom side	0.230								0.230	0.230	0.230	0.230	0.230	0.230
LTE Band 71_ANT OC	Front	0.289	0.090	0.211	0.396	0.050	0.174	0.374	0.130	0.500	0.663	0.859	0.513	0.593	0.429
	Back	0.360	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.565	0.862	0.800	0.845	0.951	0.826
	Left side	0.668	0.219			0.133	0.195	0.521	0.150	0.668	1.189	0.863	0.996	1.013	1.020
	Right side			0.013	0.048			0.095	0.030	0.013	0.095	0.048	0.000	0.030	0.000
	Top side		0.015	0.536	0.253	0.135	0.008	0.527	0.209	0.536	0.527	0.261	0.143	0.217	0.150
	Bottom side	0.160								0.160	0.160	0.160	0.160	0.160	0.160



<WWAN 1 antenna>

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	1+3 Summed 1g SAR (W/kg)	1+7 Summed 1g SAR (W/kg)	1+4+6 Summed 1g SAR (W/kg)	1+5+6 Summed 1g SAR (W/kg)	1+6+8 Summed 1g SAR (W/kg)	1+2+5 Summed 1g SAR (W/kg)	
		WWAN 1g SAR (W/kg)	2.4GHz WLAN Ant 2 1g SAR (W/kg)	2.4GHz WLAN Ant 4 1g SAR (W/kg)	5GHz WLAN Ant 4 1g SAR (W/kg)	5GHz WLAN Ant 5 1g SAR (W/kg)	Bluetooth Ant 2 1g SAR (W/kg)	2.4GHz WLAN Ant 2+4 1g SAR (W/kg)	5GHz WLAN Ant 4+5 1g SAR (W/kg)							
GSM850_ANT 1	Front	0.325	0.090	0.211	0.396	0.050	0.174	0.374	0.130	0.536	0.699	0.895	0.549	0.629	0.465	
	Back	0.507	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.712	1.009	0.947	0.992	1.098	0.973	
	Left side	0.221	0.219				0.133	0.195	0.521	0.150	0.221	0.742	0.416	0.549	0.566	0.573
	Right side			0.013	0.048			0.095	0.030	0.013	0.095	0.048	0.000	0.030	0.000	
	Top side	0.190	0.015	0.536	0.253	0.135	0.008	0.527	0.209	0.726	0.717	0.451	0.333	0.407	0.340	
	Bottom side									0.000	0.000	0.000	0.000	0.000	0.000	
GSM1900_ANT 1	Front	0.630	0.090	0.211	0.396	0.050	0.174	0.374	0.130	0.841	1.004	1.200	0.854	0.934	0.770	
	Back	0.982	0.173	0.205	0.248	0.293	0.192	0.502	0.399	1.187	1.484	1.422	1.467	1.573	1.448	
	Left side	0.666	0.219				0.133	0.195	0.521	0.150	0.666	1.187	0.861	0.994	1.011	1.018
	Right side			0.013	0.048			0.095	0.030	0.013	0.095	0.048	0.000	0.030	0.000	
	Top side	0.999	0.015	0.536	0.253	0.135	0.008	0.527	0.209	1.535	1.526	1.260	1.142	1.216	1.149	
	Bottom side									0.000	0.000	0.000	0.000	0.000	0.000	
WCDMA II_ANT 1	Front	0.780	0.090	0.211	0.396	0.050	0.174	0.374	0.130	0.991	1.154	1.350	1.004	1.084	0.920	
	Back	0.976	0.173	0.205	0.248	0.293	0.192	0.502	0.399	1.181	1.478	1.416	1.461	1.567	1.442	
	Left side	0.528	0.219				0.133	0.195	0.521	0.150	0.528	1.049	0.723	0.856	0.873	0.880
	Right side			0.013	0.048			0.095	0.030	0.013	0.095	0.048	0.000	0.030	0.000	
	Top side	0.995	0.015	0.536	0.253	0.135	0.008	0.527	0.209	1.531	1.522	1.256	1.138	1.212	1.145	
	Bottom side									0.000	0.000	0.000	0.000	0.000	0.000	
WCDMA IV_ANT 1	Front	0.648	0.090	0.211	0.396	0.050	0.174	0.374	0.130	0.859	1.022	1.218	0.872	0.952	0.788	
	Back	0.962	0.173	0.205	0.248	0.293	0.192	0.502	0.399	1.167	1.464	1.402	1.447	1.553	1.428	
	Left side	0.613	0.219				0.133	0.195	0.521	0.150	0.613	1.134	0.808	0.941	0.958	0.965
	Right side			0.013	0.048			0.095	0.030	0.013	0.095	0.048	0.000	0.030	0.000	
	Top side	0.974	0.015	0.536	0.253	0.135	0.008	0.527	0.209	1.510	1.501	1.235	1.117	1.191	1.124	
	Bottom side									0.000	0.000	0.000	0.000	0.000	0.000	
WCDMA V_ANT 1	Front	0.378	0.090	0.211	0.396	0.050	0.174	0.374	0.130	0.589	0.752	0.948	0.602	0.682	0.518	
	Back	0.685	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.890	1.187	1.125	1.170	1.276	1.151	
	Left side	0.282	0.219				0.133	0.195	0.521	0.150	0.282	0.803	0.477	0.610	0.627	0.634
	Right side			0.013	0.048			0.095	0.030	0.013	0.095	0.048	0.000	0.030	0.000	
	Top side	0.234	0.015	0.536	0.253	0.135	0.008	0.527	0.209	0.770	0.761	0.495	0.377	0.451	0.384	
	Bottom side									0.000	0.000	0.000	0.000	0.000	0.000	
CDMA BC1_ANT 1	Front	0.805	0.090	0.211	0.396	0.050	0.174	0.374	0.130	1.016	1.179	1.375	1.029	1.109	0.945	
	Back	0.965	0.173	0.205	0.248	0.293	0.192	0.502	0.399	1.170	1.467	1.405	1.450	1.556	1.431	
	Left side	0.119	0.219				0.133	0.195	0.521	0.150	0.119	0.640	0.314	0.447	0.464	0.471
	Right side			0.013	0.048			0.095	0.030	0.013	0.095	0.048	0.000	0.030	0.000	
	Top side	0.995	0.015	0.536	0.253	0.135	0.008	0.527	0.209	1.531	1.522	1.256	1.138	1.212	1.145	
	Bottom side									0.000	0.000	0.000	0.000	0.000	0.000	
CDMA BCO_ANT 1	Front	0.363	0.090	0.211	0.396	0.050	0.174	0.374	0.130	0.574	0.737	0.933	0.587	0.667	0.503	
	Back	0.444	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.649	0.946	0.884	0.929	1.035	0.910	
	Left side	0.238	0.219				0.133	0.195	0.521	0.150	0.238	0.759	0.433	0.566	0.583	0.590
	Right side			0.013	0.048			0.095	0.030	0.013	0.095	0.048	0.000	0.030	0.000	
	Top side	0.204	0.015	0.536	0.253	0.135	0.008	0.527	0.209	0.740	0.731	0.465	0.347	0.421	0.354	
	Bottom side									0.000	0.000	0.000	0.000	0.000	0.000	
CDMA BC10_ANT 1	Front	0.224	0.090	0.211	0.396	0.050	0.174	0.374	0.130	0.435	0.598	0.794	0.448	0.528	0.364	
	Back	0.251	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.456	0.753	0.691	0.736	0.842	0.717	
	Left side	0.163	0.219				0.133	0.195	0.521	0.150	0.163	0.684	0.358	0.491	0.508	0.515
	Right side			0.013	0.048			0.095	0.030	0.013	0.095	0.048	0.000	0.030	0.000	
	Top side	0.130	0.015	0.536	0.253	0.135	0.008	0.527	0.209	0.666	0.657	0.391	0.273	0.347	0.280	
	Bottom side									0.000	0.000	0.000	0.000	0.000	0.000	
LTE Band 7_ANT 1	Front	0.795	0.090	0.211	0.396	0.050	0.174	0.374	0.130	1.006	1.169	1.365	1.019	1.099	0.935	
	Back	0.862	0.173	0.205	0.248	0.293	0.192	0.502	0.399	1.067	1.364	1.302	1.347	1.453	1.328	
	Left side	0.386	0.219				0.133	0.195	0.521	0.150	0.386	0.907	0.581	0.714	0.731	0.738
	Right side			0.013	0.048			0.095	0.030	0.013	0.095	0.048	0.000	0.030	0.000	
	Top side	0.896	0.015	0.536	0.253	0.135	0.008	0.527	0.209	1.432	1.423	1.157	1.039	1.113	1.046	
	Bottom side									0.000	0.000	0.000	0.000	0.000	0.000	
LTE Band 12_ANT 1	Front	0.261	0.090	0.211	0.396	0.050	0.174	0.374	0.130	0.472	0.635	0.831	0.485	0.565	0.401	
	Back	0.208	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.413	0.710	0.648	0.693	0.799	0.674	
	Left side	0.381	0.219				0.133	0.195	0.521	0.150	0.381	0.902	0.576	0.709	0.726	0.733
	Right side			0.013	0.048			0.095	0.030	0.013	0.095	0.048	0.000	0.030	0.000	
	Top side	0.189	0.015	0.536	0.253	0.135	0.008	0.527	0.209	0.725	0.716	0.450	0.332	0.406	0.339	
	Bottom side									0.000	0.000	0.000	0.000	0.000	0.000	
LTE Band 13_ANT 1	Front	0.365	0.090	0.211	0.396	0.050	0.174	0.374	0.130	0.576	0.739	0.935	0.589	0.669	0.505	
	Back	0.250	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.455	0.752	0.690	0.735	0.841	0.716	
	Left side	0.693	0.219				0.133	0.195	0.521	0.150	0.693	1.214	0.888	1.021	1.038	1.045
	Right side			0.013	0.048			0.095	0.030	0.013	0.095	0.048	0.000	0.030	0.000	
	Top side	0.215	0.015	0.536	0.253	0.135	0.008	0.527	0.209	0.751	0.742	0.476	0.358	0.432	0.365	
	Bottom side									0.000	0.000	0.000	0.000	0.000	0.000	
LTE Band	Front	0.379	0.090	0.211	0.396	0.050	0.174	0.374	0.130	0.590	0.753	0.949	0.603	0.683	0.519	



FCC SAR TEST REPORT

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14_ANT 1	Back	0.213	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.418	0.715	0.653	0.698	0.804	0.679
	Left side	0.401	0.219			0.133	0.195	0.521	0.150	0.401	0.922	0.596	0.729	0.746	0.753
	Right side			0.013	0.048			0.095	0.030	0.013	0.095	0.048	0.000	0.030	0.000
	Top side	0.152	0.015	0.536	0.253	0.135	0.008	0.527	0.209	0.688	0.679	0.413	0.295	0.369	0.302
	Bottom side									0.000	0.000	0.000	0.000	0.000	0.000
LTE Band 25_ANT 1	Front	0.648	0.090	0.211	0.396	0.050	0.174	0.374	0.130	0.859	1.022	1.218	0.872	0.952	0.788
	Back	0.714	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.919	1.216	1.154	1.199	1.305	1.180
	Left side	0.399	0.219			0.133	0.195	0.521	0.150	0.399	0.920	0.594	0.727	0.744	0.751
	Right side			0.013	0.048			0.095	0.030	0.013	0.095	0.048	0.000	0.030	0.000
	Top side	0.842	0.015	0.536	0.253	0.135	0.008	0.527	0.209	1.378	1.369	1.103	0.985	1.059	0.992
LTE Band 26_ANT 1	Front	0.522	0.090	0.211	0.396	0.050	0.174	0.374	0.130	0.733	0.896	1.092	0.746	0.826	0.662
	Back	0.519	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.724	1.021	0.959	1.004	1.110	0.985
	Left side	0.414	0.219			0.133	0.195	0.521	0.150	0.414	0.935	0.609	0.742	0.759	0.766
	Right side			0.013	0.048			0.095	0.030	0.013	0.095	0.048	0.000	0.030	0.000
	Top side	0.333	0.015	0.536	0.253	0.135	0.008	0.527	0.209	0.869	0.860	0.594	0.476	0.550	0.483
LTE Band 30_ANT 1	Front	0.530	0.090	0.211	0.396	0.050	0.174	0.374	0.130	0.741	0.904	1.100	0.754	0.834	0.670
	Back	0.527	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.732	1.029	0.967	1.012	1.118	0.993
	Left side	0.408	0.219			0.133	0.195	0.521	0.150	0.408	0.929	0.603	0.736	0.753	0.760
	Right side			0.013	0.048			0.095	0.030	0.013	0.095	0.048	0.000	0.030	0.000
	Top side	0.341	0.015	0.536	0.253	0.135	0.008	0.527	0.209	0.877	0.868	0.602	0.484	0.558	0.491
LTE Band 41_ANT 1	Front	0.958	0.090	0.211	0.396	0.050	0.174	0.374	0.130	1.169	1.332	1.528	1.182	1.262	1.098
	Back	0.997	0.173	0.205	0.248	0.293	0.192	0.502	0.399	1.202	1.499	1.437	1.482	1.588	1.463
	Left side	0.641	0.219			0.133	0.195	0.521	0.150	0.641	1.162	0.836	0.969	0.986	0.993
	Right side			0.013	0.048			0.095	0.030	0.013	0.095	0.048	0.000	0.030	0.000
	Top side	0.903	0.015	0.536	0.253	0.135	0.008	0.527	0.209	1.439	1.430	1.164	1.046	1.120	1.053
LTE Band 48_ANT 1	Front	0.403	0.090	0.211	0.396	0.050	0.174	0.374	0.130	0.614	0.777	0.973	0.627	0.707	0.543
	Back	0.473	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.678	0.975	0.913	0.958	1.064	0.939
	Left side	0.371	0.219			0.133	0.195	0.521	0.150	0.371	0.892	0.566	0.699	0.716	0.723
	Right side			0.013	0.048			0.095	0.030	0.013	0.095	0.048	0.000	0.030	0.000
	Top side	0.958	0.015	0.536	0.253	0.135	0.008	0.527	0.209	1.494	1.485	1.219	1.101	1.175	1.108
LTE Band 66_ANT 1	Front	0.126	0.090	0.211	0.396	0.050	0.174	0.374	0.130	0.337	0.500	0.696	0.350	0.430	0.266
	Back	0.257	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.462	0.759	0.697	0.742	0.848	0.723
	Left side	0.099	0.219			0.133	0.195	0.521	0.150	0.099	0.620	0.294	0.427	0.444	0.451
	Right side			0.013	0.048			0.095	0.030	0.013	0.095	0.048	0.000	0.030	0.000
	Top side	0.356	0.015	0.536	0.253	0.135	0.008	0.527	0.209	0.892	0.883	0.617	0.499	0.573	0.506
LTE Band 71_ANT 1	Front	0.727	0.090	0.211	0.396	0.050	0.174	0.374	0.130	0.938	1.101	1.297	0.951	1.031	0.867
	Back	0.916	0.173	0.205	0.248	0.293	0.192	0.502	0.399	1.121	1.418	1.356	1.401	1.507	1.382
	Left side	0.510	0.219			0.133	0.195	0.521	0.150	0.510	1.031	0.705	0.838	0.855	0.862
	Right side			0.013	0.048			0.095	0.030	0.013	0.095	0.048	0.000	0.030	0.000
	Top side	0.834	0.015	0.536	0.253	0.135	0.008	0.527	0.209	1.370	1.361	1.095	0.977	1.051	0.984
Bottom side									0.000	0.000	0.000	0.000	0.000	0.000	

<WWAN 6 antenna>

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	1+3 Summed 1g SAR (W/kg)	1+7 Summed 1g SAR (W/kg)	1+4+6 Summed 1g SAR (W/kg)	1+5+6 Summed 1g SAR (W/kg)	1+6+8 Summed 1g SAR (W/kg)	1+2+5 Summed 1g SAR (W/kg)
		WWAN 1g SAR (W/kg)	2.4GHz WLAN Ant 2 1g SAR (W/kg)	2.4GHz WLAN Ant 4 1g SAR (W/kg)	5GHz WLAN Ant 4 1g SAR (W/kg)	5GHz WLAN Ant 5 1g SAR (W/kg)	Bluetooth Ant 2 1g SAR (W/kg)	2.4GHz WLAN Ant 2+4 1g SAR (W/kg)	5GHz WLAN Ant 4+5 1g SAR (W/kg)						
LTE Band 48_ANT 6	Front	0.299	0.090	0.211	0.396	0.050	0.174	0.374	0.130	0.510	0.673	0.869	0.523	0.603	0.439
	Back	0.551	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.756	1.053	0.991	1.036	1.142	1.017
	Left side	0.745	0.219			0.133	0.195	0.521	0.150	0.745	1.266	0.940	1.073	1.090	1.097
	Right side			0.013	0.048			0.095	0.030	0.013	0.095	0.048	0.000	0.030	0.000
	Top side		0.015	0.536	0.253	0.135	0.008	0.527	0.209	0.536	0.527	0.261	0.143	0.217	0.150
	Bottom side	0.157								0.157	0.157	0.157	0.157	0.157	0.157



16.3 Body-Worn Accessory Exposure Conditions

<Standalone>

Exposure Position	2	3	4	5	6	7	2+5 Summed 1g SAR (W/kg)	4+6 Summed 1g SAR (W/kg)	5+6 Summed 1g SAR (W/kg)	6+7 Summed 1g SAR (W/kg)
	2.4GHz WLAN Ant 2 1g SAR (W/kg)	2.4GHz WLAN Ant 4 1g SAR (W/kg)	5GHz WLAN Ant 4 1g SAR (W/kg)	5GHz WLAN Ant 5 1g SAR (W/kg)	Bluetooth Ant 2 1g SAR (W/kg)	5GHz WLAN Ant 4+5 1g SAR (W/kg)				
Front	0.517	0.419	0.438	0.081	0.241	0.158	0.598	0.679	0.322	0.399
Back	0.786	0.431	0.310	0.797	0.418	0.969	1.583	0.728	1.215	1.387

Exposure Position	2	3	2+3 Summed 1g SAR (W/kg)
	2.4GHz WLAN Ant 2 1g SAR (W/kg)	2.4GHz WLAN Ant 4 1g SAR (W/kg)	
	Front	0.750	
Back	1.118	0.431	1.549

<Simultaneous Transmission is active>

<WWAN 0B antenna>

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	1+3 Summed 1g SAR (W/kg)	1+7 Summed 1g SAR (W/kg)	1+4+6 Summed 1g SAR (W/kg)	1+5+6 Summed 1g SAR (W/kg)	1+6+8 Summed 1g SAR (W/kg)	1+2+5 Summed 1g SAR (W/kg)
		WWAN 1g SAR (W/kg)	2.4GHz WLAN Ant 2 1g SAR (W/kg)	2.4GHz WLAN Ant 4 1g SAR (W/kg)	5GHz WLAN Ant 4 1g SAR (W/kg)	5GHz WLAN Ant 5 1g SAR (W/kg)	Bluetooth Ant 2 1g SAR (W/kg)	2.4GHz WLAN Ant 2+4 1g SAR (W/kg)	5GHz WLAN Ant 4+5 1g SAR (W/kg)						
GSM1900_ANT 0B	Front	0.578	0.090	0.211	0.396	0.050	0.174	0.374	0.136	0.789	0.952	1.148	0.802	0.888	0.718
	Back	0.991	0.173	0.205	0.248	0.293	0.192	0.502	0.399	1.196	1.493	1.431	1.476	1.582	1.457
WCDMA IV_ANT 0B	Front	0.598	0.090	0.211	0.396	0.050	0.174	0.374	0.136	0.809	0.972	1.168	0.822	0.908	0.738
	Back	0.627	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.832	1.129	1.067	1.112	1.218	1.093
CDMA BC1_ANT 0B	Front	0.694	0.090	0.211	0.396	0.050	0.174	0.374	0.136	0.905	1.068	1.264	0.918	1.004	0.834
	Back	0.987	0.173	0.205	0.248	0.293	0.192	0.502	0.399	1.192	1.489	1.427	1.472	1.578	1.453
LTE Band 7_ANT 0B	Front	0.765	0.090	0.211	0.396	0.050	0.174	0.374	0.136	0.976	1.139	1.335	0.989	1.075	0.905
	Back	0.907	0.173	0.205	0.248	0.293	0.192	0.502	0.399	1.112	1.409	1.347	1.392	1.498	1.373
LTE Band 25_ANT 0B	Front	0.709	0.090	0.211	0.396	0.050	0.174	0.374	0.136	0.920	1.083	1.279	0.933	1.019	0.849
	Back	0.999	0.173	0.205	0.248	0.293	0.192	0.502	0.399	1.204	1.501	1.439	1.484	1.590	1.465
LTE Band 30_ANT 0B	Front	0.473	0.090	0.211	0.396	0.050	0.174	0.374	0.136	0.684	0.847	1.043	0.697	0.783	0.613
	Back	0.704	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.909	1.206	1.144	1.189	1.295	1.170
LTE Band 41_ANT 0B	Front	0.533	0.090	0.211	0.396	0.050	0.174	0.374	0.136	0.744	0.907	1.103	0.757	0.843	0.673
	Back	0.945	0.173	0.205	0.248	0.293	0.192	0.502	0.399	1.150	1.447	1.385	1.430	1.536	1.411
LTE Band 66_ANT 0B	Front	0.573	0.090	0.211	0.396	0.050	0.174	0.374	0.136	0.784	0.947	1.143	0.797	0.883	0.713
	Back	0.649	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.854	1.151	1.089	1.134	1.240	1.115



<WWAN 0C antenna>

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	1+3 Summed 1g SAR (W/kg)	1+7 Summed 1g SAR (W/kg)	1+4+6 Summed 1g SAR (W/kg)	1+5+6 Summed 1g SAR (W/kg)	1+6+8 Summed 1g SAR (W/kg)	1+2+5 Summed 1g SAR (W/kg)
		WWAN	2.4GHz WLAN Ant 2	2.4GHz WLAN Ant 4	5GHz WLAN Ant 4	5GHz WLAN Ant 5	Bluetooth Ant 2	2.4GHz WLAN Ant 2+4	5GHz WLAN Ant 4+5						
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)						
GSM850_ANT 0C	Front	0.922	0.090	0.211	0.396	0.050	0.174	0.374	0.136	1.133	1.296	1.492	1.146	1.232	1.062
	Back	0.979	0.173	0.205	0.248	0.293	0.192	0.502	0.399	1.184	1.481	1.419	1.464	1.570	1.445
GSM1900_ANT 0C	Front	0.369	0.090	0.211	0.396	0.050	0.174	0.374	0.136	0.580	0.743	0.939	0.593	0.679	0.509
	Back	0.520	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.725	1.022	0.960	1.005	1.111	0.986
WCDMA IV_ANT 0C	Front	0.316	0.090	0.211	0.396	0.050	0.174	0.374	0.136	0.527	0.690	0.886	0.540	0.626	0.456
	Back	0.423	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.628	0.925	0.863	0.908	1.014	0.889
WCDMA V_ANT 0C	Front	0.872	0.090	0.211	0.396	0.050	0.174	0.374	0.136	1.083	1.246	1.442	1.096	1.182	1.012
	Back	0.997	0.173	0.205	0.248	0.293	0.192	0.502	0.399	1.202	1.499	1.437	1.482	1.588	1.463
CDMA BC1_ANT 0C	Front	0.523	0.090	0.211	0.396	0.050	0.174	0.374	0.136	0.734	0.897	1.093	0.747	0.833	0.663
	Back	0.770	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.975	1.272	1.210	1.255	1.361	1.236
CDMA BC10_ANT 0C	Front	0.857	0.090	0.211	0.396	0.050	0.174	0.374	0.136	1.068	1.231	1.427	1.081	1.167	0.997
	Back	0.983	0.173	0.205	0.248	0.293	0.192	0.502	0.399	1.188	1.485	1.423	1.468	1.574	1.449
LTE Band 12_ANT 0C	Front	0.335	0.090	0.211	0.396	0.050	0.174	0.374	0.136	0.546	0.709	0.905	0.559	0.645	0.475
	Back	0.384	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.589	0.886	0.824	0.869	0.975	0.850
LTE Band 14_ANT 0C	Front	0.550	0.090	0.211	0.396	0.050	0.174	0.374	0.136	0.761	0.924	1.120	0.774	0.860	0.690
	Back	0.978	0.173	0.205	0.248	0.293	0.192	0.502	0.399	1.183	1.480	1.418	1.463	1.569	1.444
LTE Band 25_ANT 0C	Front	0.549	0.090	0.211	0.396	0.050	0.174	0.374	0.136	0.760	0.923	1.119	0.773	0.859	0.689
	Back	0.696	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.901	1.198	1.136	1.181	1.287	1.162
LTE Band 26_ANT 1	Front	0.837	0.090	0.211	0.396	0.050	0.174	0.374	0.136	1.048	1.211	1.407	1.061	1.147	0.977
	Back	0.935	0.173	0.205	0.248	0.293	0.192	0.502	0.399	1.140	1.437	1.375	1.420	1.526	1.401
LTE Band 30_ANT 0C	Front	0.548	0.090	0.211	0.396	0.050	0.174	0.374	0.136	0.759	0.922	1.118	0.772	0.858	0.688
	Back	0.749	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.954	1.251	1.189	1.234	1.340	1.215
LTE Band 41_ANT 0C	Front	0.343	0.090	0.211	0.396	0.050	0.174	0.374	0.136	0.554	0.717	0.913	0.567	0.653	0.483
	Back	0.511	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.716	1.013	0.951	0.996	1.102	0.977
LTE Band 66_ANT 0C	Front	0.289	0.090	0.211	0.396	0.050	0.174	0.374	0.136	0.500	0.663	0.859	0.513	0.599	0.429
	Back	0.360	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.565	0.862	0.800	0.845	0.951	0.826
LTE Band 71_ANT 0C	Front	0.231	0.090	0.211	0.396	0.050	0.174	0.374	0.136	0.442	0.605	0.801	0.455	0.541	0.371
	Back	0.215	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.420	0.717	0.655	0.700	0.806	0.681



<WWAN 1 antenna>

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	1+3 Summed 1g SAR (W/kg)	1+7 Summed 1g SAR (W/kg)	1+4+6 Summed 1g SAR (W/kg)	1+5+6 Summed 1g SAR (W/kg)	1+6+8 Summed 1g SAR (W/kg)	1+2+5 Summed 1g SAR (W/kg)
		WWAN	2.4GHz WLAN Ant 2	2.4GHz WLAN Ant 4	5GHz WLAN Ant 4	5GHz WLAN Ant 5	Bluetooth Ant 2	2.4GHz WLAN Ant 2+4	5GHz WLAN Ant 4+5						
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)						
GSM850_ANT 1	Front	0.325	0.090	0.258	0.396	0.050	0.174	0.374	0.136	0.583	0.699	0.895	0.549	0.635	0.465
	Back	0.507	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.712	1.009	0.947	0.992	1.098	0.973
GSM1900_ANT 1	Front	0.630	0.090	0.258	0.396	0.050	0.174	0.374	0.136	0.888	1.004	1.200	0.854	0.940	0.770
	Back	0.982	0.173	0.205	0.248	0.293	0.192	0.502	0.399	1.187	1.484	1.422	1.467	1.573	1.448
WCDMA IV_ANT 1	Front	0.648	0.090	0.258	0.396	0.050	0.174	0.374	0.136	0.906	1.022	1.218	0.872	0.958	0.788
	Back	0.962	0.173	0.205	0.248	0.293	0.192	0.502	0.399	1.167	1.464	1.402	1.447	1.553	1.428
WCDMA V_ANT 1	Front	0.378	0.090	0.258	0.396	0.050	0.174	0.374	0.136	0.636	0.752	0.948	0.602	0.688	0.518
	Back	0.685	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.890	1.187	1.125	1.170	1.276	1.151
CDMA BC1_ANT 1	Front	0.805	0.090	0.258	0.396	0.050	0.174	0.374	0.136	1.063	1.179	1.375	1.029	1.115	0.945
	Back	0.965	0.173	0.205	0.248	0.293	0.192	0.502	0.399	1.170	1.467	1.405	1.450	1.556	1.431
CDMA BC10_ANT 1	Front	0.224	0.090	0.258	0.396	0.050	0.174	0.374	0.136	0.482	0.598	0.794	0.448	0.534	0.364
	Back	0.251	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.456	0.753	0.691	0.736	0.842	0.717
LTE Band 7_ANT 1	Front	0.795	0.090	0.258	0.396	0.050	0.174	0.374	0.136	1.053	1.169	1.365	1.019	1.105	0.935
	Back	0.862	0.173	0.205	0.248	0.293	0.192	0.502	0.399	1.067	1.364	1.302	1.347	1.453	1.328
LTE Band 12_ANT 1	Front	0.261	0.090	0.258	0.396	0.050	0.174	0.374	0.136	0.519	0.635	0.831	0.485	0.571	0.401
	Back	0.208	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.413	0.710	0.648	0.693	0.799	0.674
LTE Band 14_ANT 1	Front	0.379	0.090	0.258	0.396	0.050	0.174	0.374	0.136	0.637	0.753	0.949	0.603	0.689	0.519
	Back	0.213	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.418	0.715	0.653	0.698	0.804	0.679
LTE Band 25_ANT 1	Front	0.648	0.090	0.258	0.396	0.050	0.174	0.374	0.136	0.906	1.022	1.218	0.872	0.958	0.788
	Back	0.714	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.919	1.216	1.154	1.199	1.305	1.180
LTE Band 26_ANT 1	Front	0.522	0.090	0.258	0.396	0.050	0.174	0.374	0.136	0.780	0.896	1.092	0.746	0.832	0.662
	Back	0.519	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.724	1.021	0.959	1.004	1.110	0.985
LTE Band 30_ANT 1	Front	0.958	0.090	0.258	0.396	0.050	0.174	0.374	0.136	1.216	1.332	1.528	1.182	1.268	1.098
	Back	0.997	0.173	0.205	0.248	0.293	0.192	0.502	0.399	1.202	1.499	1.437	1.482	1.588	1.463
LTE Band 41_ANT 1	Front	0.403	0.090	0.258	0.396	0.050	0.174	0.374	0.136	0.661	0.777	0.973	0.627	0.713	0.543
	Back	0.473	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.678	0.975	0.913	0.958	1.064	0.939
LTE Band 48_ANT 1	Front	0.126	0.090	0.258	0.396	0.050	0.174	0.374	0.136	0.384	0.500	0.696	0.350	0.436	0.266
	Back	0.257	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.462	0.759	0.697	0.742	0.848	0.723
LTE Band 66_ANT 1	Front	0.727	0.090	0.258	0.396	0.050	0.174	0.374	0.136	0.985	1.101	1.297	0.951	1.037	0.867
	Back	0.916	0.173	0.205	0.248	0.293	0.192	0.502	0.399	1.121	1.418	1.356	1.401	1.507	1.382
LTE Band 71_ANT 1	Front	0.169	0.090	0.258	0.396	0.050	0.174	0.374	0.136	0.427	0.543	0.739	0.393	0.479	0.309
	Back	0.177	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.382	0.679	0.617	0.662	0.768	0.643



<WWAN 6 antenna>

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	1+3 Summed 1g SAR (W/kg)	1+7 Summed 1g SAR (W/kg)	1+4+6 Summed 1g SAR (W/kg)	1+5+6 Summed 1g SAR (W/kg)	1+6+8 Summed 1g SAR (W/kg)	1+2+5 Summed 1g SAR (W/kg)
		WWAN	2.4GHz WLAN Ant 2	2.4GHz WLAN Ant 4	5GHz WLAN Ant 4	5GHz WLAN Ant 5	Bluetooth Ant 2	2.4GHz WLAN Ant 2+4	5GHz WLAN Ant 4+5						
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)						
LTE Band 48_ANT 6	Front	0.299	0.090	0.211	0.396	0.050	0.174	0.374	0.136	0.510	0.673	0.869	0.523	0.609	0.439
	Back	0.551	0.173	0.205	0.248	0.293	0.192	0.502	0.399	0.756	1.053	0.991	1.036	1.142	1.017

16.4 Product Specific Exposure Conditions

<Standalone>

Remark:

1. In standalone mode, the WWAN operating will not transmit simultaneous with WLAN/BT transmitter
2. According to KDB 941225 D06 v02r01 and KDB 648474 D04v01r03, for (-) SAR was excluded, due to transmitting antenna located larger 25mm from that surface or hotspot SAR was < 1.2W/kg.

Exposure Position	2	3	4	5	6	2+5 Summed 10g SAR (W/kg)	4+6 Summed 10g SAR (W/kg)	5+6 Summed 10g SAR (W/kg)
	2.4GHz WLAN Ant 2	2.4GHz WLAN Ant 4	5GHz WLAN Ant 4	5GHz WLAN Ant 5	Bluetooth Ant 2			
	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)			
Front	-	-	1.605	0.360	-	0.360	1.605	0.360
Back	-	-	1.326	2.052	-	2.052	1.326	2.052
Left side	-	-	0.037	0.536	-	0.536	0.037	0.536
Right side	-	-	0.094	0.001	-	0.001	0.094	0.001
Top side	-	-	0.821	0.327	-	0.327	0.821	0.327
Bottom side	-	-	-	-	-	0.000	0.000	0.000

<Standalone MIMO consideration>

Exposure Position	2	3	4	5	6	2+3 Summed 10g SAR (W/kg)	4+5+6 Summed 10g SAR (W/kg)
	2.4GHz WLAN Ant 2	2.4GHz WLAN Ant 4	5GHz WLAN Ant 4	5GHz WLAN Ant 5	Bluetooth Ant 2		
	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)		
Front	-	-	1.605	0.458	-	0.000	2.063
Back	-	-	1.326	2.653	-	0.000	3.979
Left side	3.289	-	0.037	0.623	-	3.289	0.660
Right side	-	-	0.094	0.001	-	0.000	0.095
Top side	-	-	0.821	0.423	-	0.000	1.244
Bottom side	-	-	-	-	-	0.000	0.000



<Simultaneous Transmission is active>

Remark:

1. According to KDB 941225 D06 v02r01 and KDB 648474 D04v01r03, for (-) SAR was excluded, due to transmitting antenna located larger 25mm from that surface or hotspot SAR was < 1.2W/kg when WWAN operating and WLAN/BT operating is active at the same time.

Exposure Position	1	2	3	4	5	6	7	8	1+3 Summed 10g SAR (W/kg)	1+7 Summed 10g SAR (W/kg)	1+4+6 Summed 10g SAR (W/kg)	1+5+6 Summed 10g SAR (W/kg)	1+6+8 Summed 10g SAR (W/kg)	1+2+5 Summed 10g SAR (W/kg)
	WWAN	2.4GHz WLAN Ant 2	2.4GHz WLAN Ant 4	5GHz WLAN Ant 4	5GHz WLAN Ant 5	Bluetooth Ant 2	2.4GHz WLAN Ant 2+4	5GHz WLAN Ant 4+5						
	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)						
Front	-	-	-	1.605	0.360	-	-	-	0.000	0.000	1.605	0.360	0.000	0.360
Back	-	-	-	1.326	2.052	-	-	-	0.000	0.000	1.326	2.052	0.000	2.052
Left side	-	-	-	0.037	0.536	-	-	-	0.000	0.000	0.037	0.536	0.000	0.536
Right side	-	-	-	0.094	0.001	-	-	-	0.000	0.000	0.094	0.001	0.000	0.001
Top side	-	-	-	0.821	0.327	-	-	-	0.000	0.000	0.821	0.327	0.000	0.327
Bottom side	-	-	-	-	-	-	-	-	0.000	0.000	0.000	0.000	0.000	0.000



17. Supplemental Antenna tuner tests results

General Note:

1. This device implements antenna tuning techniques in the GSM850/1900, WCDMA B2/4/5, CDMA BC0/1/10, LTE B7/12/13/14/25/26/30/41/48/66/71. SAR test proposal was measured according to the normally required SAR configurations with the tuner active and worst tune state (auto tune) was used for SAR testing and this design will provide the highest power at different user scenarios and would not influence to the antenna characteristics other than impedance matching.
2. The following test procedure was followed to demonstrate that the SAR results in this report represent the appropriate SAR test conditions. For bands with dynamic tuning implemented, SAR will be measured according to the required FCC SAR test procedures with the dynamic tuner active to allow the device to automatically tune to the antenna state for the respective RF exposure test configurations. Additional single point SAR time-sweep measurements will be evaluated for other tuner states to determine that the other tuner configurations would result in equivalent or lower SAR values.
3. To evaluate all of the tuner states, the 144 tuner states are divided evenly among band, mode and exposure combinations so that at least one single point SAR measurement is measured in each configuration. Single point time-sweep measurements will be performed at the peak SAR location determined by the zoom scan of the configuration with the highest reported SAR for each combination. The tuner state will be established remotely so that the device is not moved for the entire series of single point SAR for the tuner states in each combination. The SAR probe will remain stationary at the same position throughout the entire series of single point measurements for each combination.
4. The device supports LTE B5/B26, B2/B25, B4/B66, B12/17 and B38/B41. Since the supported frequency span for LTE B5/B2/B4/B17/B38 falls completely within the supported frequency span for LTE B26/B25/B66/B12/B41, and both bands have the same target power and both LTE bands share the same transmission path, therefore standalone SAR was only assessed for LTE B26/B25/B66/B12/B41. The single point SAR time-sweep measurements were treated independently for each supported ACL frequency band. For the LTE B5/B2/B4/B17/B38 single point SAR measurement selected the highest measured SAR configuration and exposure condition of LTE B26/B25/B66/B12/B41.
5. According to TCBC 201904 workshop, total number tuner states divided evenly among each supported band / air interface and exposure condition combination.
6. According to TCBC 201904 workshop, if any single point SAR measurement result is > 1.2 W/kg for a band/exposure condition combination set, all supported tuner states are evaluated with single point SAR measurements for the combination.
7. The tuner state was established remotely through Wi-Fi so that the device is not moved for the entire series of single point SAR for the tuner states in each combination (band, mode, exposure conditions).



<Ant 1 Tuner SAR results>

Head																		
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
									Auto-Tune	0	19	38	57	76	95	114	133	
GSM850	GPRS (4 Tx slots)	848.8	251	N/A	N/A	Right Cheek	0 mm	0.902	1.256	0.666	0.005	0.03	0.27	0.847	0.234	0.0003	0.508	
Average Value of Time Sweep (W/kg)																		
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
0.778	0.666	0.911	0.778	0.959	0.625	0.968	0.883	0.854	0.521	1.225	0.206	0.549	0.597	0.835	1.216	0.273	0.673	
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
0.654	0.005	1.111	0.844	1.006	0.74	0.425	0.664	0.302	0.568	0.606	0.787	0.283	0.064	0.3	0.854	0.692	0.302	
36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	
0.94	1.197	0.03	0.625	0.168	1.254	0.092	0.387	0.968	0.168	0.93	0.292	1.149	0.159	1.187	0.778	0.492	0.702	
54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	
0.454	0.854	0.806	0.27	0.425	0.597	0.997	0.435	0.625	1.168	1.035	0.378	0.93	0.321	1.016	0.835	0.53	0.644	
72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	
1.14	0.254	0.092	0.425	0.847	0.664	1.102	0.264	1.121	0.711	0.311	0.94	1.064	0.187	0.483	0.492	0.064	0.502	
90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	
0.606	0.54	1.178	0.092	0.235	0.234	0.721	0.959	1.064	0.568	0.216	0.102	0.835	0.521	0.14	0.625	0.225	1.168	
108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	
0.825	0.578	0.244	0.806	0.844	0.959	0.0003	1.035	0.425	0.464	1.044	0.616	0.121	0.987	0.064	0.587	0.892	0.483	
126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	
1.178	0.787	1.178	0.711	1.121	0.578	0.978	0.508	1.111	1.159	0.197	0.34	0.397	0.511	0.702	1.197	0.521	0.14	
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
GSM1900	GPRS (4 Tx slots)	1880	661	N/A	N/A	Right Cheek	0 mm	0.942	1.173	1.144	0.342	0.42	1.167	1.061	1.1	0.949	1.161	
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
WCDMA B2	RMC12.2K	1907.6	9538	N/A	N/A	Right Cheek	0 mm	0.867	1.088	1.062	0.35	0.981	0.855	0.984	0.982	0.962	0.99	
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
WCDMA B4	RMC12.2K	1712.4	1312	N/A	N/A	Right Cheek	0 mm	0.877	1.089	0.782	0.275	1.009	1.008	0.7	0.979	0.988	1.022	
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
WCDMA B5	RMC12.2K	836.4	4182	N/A	N/A	Right Cheek	0 mm	0.864	1.072	0.57	0.43	0.522	0.147	0.283	0.08	0.55	0.626	
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
CDMA BC0	1xRTT RC3 SO55	836.52	384	N/A	N/A	Right Cheek	0 mm	0.84	1.153	1.094	0.174	0.034	0.223	0.126	0.289	0.128	0.886	
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
CDMA BC1	1xRTT RC3 SO55	1851.25	25	N/A	N/A	Right Cheek	0 mm	0.821	1.08	1.005	0.726	0.942	0.747	1.042	0.991	1.025	0.519	
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
CDMA BC10	1xRTT RC3 SO55	817.9	476	N/A	N/A	Right Cheek	0 mm	0.811	1.182	0.805	0.09	0.11	0.18	0.044	0.297	0.471	1.163	
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
LTE Band 7	QPSK	2510	20850	1	0	Right Cheek	0 mm	0.954	1.76	0.867	1.287	1.249	1.046	1.453	0.957	0.663	0.649	
Average Value of Time Sweep (W/kg)																		
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1.444	0.72	1.053	1.453	0.844	0.729	0.625	0.768	0.867	0.634	0.901	1.063	0.463	1.672	1.253	0.625	0.263	1.463	
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
1.625	1.082	0.996	0.882	0.777	0.196	0.748	1.415	0.891	1.287	0.577	1.682	1.272	0.882	0.587	1.463	1.701	1.663	
36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	
0.872	1.568	1.082	0.71	0.853	0.187	0.253	1.291	1.615	1.196	1.249	0.329	1.558	1.644	1.501	0.834	1.663	0.177	
54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	
1.663	0.91	1.12	0.12	0.996	0.387	0.148	1.548	0.177	1.748	0.529	1.046	1.139	0.796	0.548	1.425	1.11	1.387	
72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	
0.529	0.129	1.282	0.196	1.158	0.301	0.472	0.482	1.339	0.882	1.663	0.358	1.453	0.844	1.444	1.053	0.215	1.025	
90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	
0.948	0.815	0.968	0.415	1.625	1.51	1.387	1.206	0.834	1.577	0.12	0.177	1.253	0.957	1.548	0.253	0.301	0.644	
108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	
1.72	0.853	1.091	1.091	0.177	0.682	0.891	0.863	0.853	0.358	0.587	0.548	0.72	0.587	0.663	0.368	1.529	1.758	
126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	
0.901	1.329	1.053	0.587	1.177	0.091	0.148	0.987	0.158	0.463	1.082	1.358	1.272	0.606	0.139	0.649	1.015	0.568	
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
LTE Band 12	QPSK	707.5	23095	1	49	Right Cheek	0 mm	0.831	1.122	0.33	0.28	0.012	0.66	0.85	1.04	0.485	0.446	0.412
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
LTE Band 13	QPSK	782	23230	1	25	Right Cheek	0 mm	0.858	1.1	0.717	0.223	0.39	0.053	0.415	0.611	1.075	0.512	
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
LTE Band 14	QPSK	793	23330	1	0	Right Cheek	0 mm	0.85	1.168	0.416	0.483	0.465	0.557	0.47	0.846	0.708		
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									



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LTE Band	Modulation	(MHz)						SAR (W/kg)	Auto-Tune	12	31	50	69	88	107	126			
LTE Band 25	QPSK	1905	26590	1	0	Right Cheek	0 mm	0.941	1.184	1.116	1.018	0.86	0.82	1.121	0.35	0.91			
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	13	32	51	70	89	108	127			
LTE Band 26	QPSK	831.5	26865	1	0	Right Cheek	0 mm	0.921	1.182	0.542	0.019	0.11	0.15	0.527	0.987	0.467			
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	14	33	52	71	90	109	128			
LTE Band 30	QPSK	27710	2310	1	0	Right Cheek	0 mm	0.89	1.453	0.532	1.421	1.446	0.91	0.566	0.556	0.973			
Average Value of Time Sweep (W/kg)																			
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17		
1.299	0.337	1.375	0.584	0.508	0.708	1.403	0.889	1.289	1.08	1.165	0.461	1.232	1.432	0.532	0.708	1.089	1.027		
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35		
0.422	1.375	0.232	0.499	0.708	1.108	1.403	0.48	0.137	1.165	0.508	1.061	0.927	0.499	0.851	1.232	1.118	0.613		
36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53		
1.032	0.108	0.661	1.356	0.984	0.556	0.118	0.461	0.08	1.127	1.413	0.346	0.203	1.394	0.746	0.241	1.089	0.746		
54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71		
0.584	0.118	1.261	0.956	0.899	0.47	1.413	0.746	0.461	0.118	0.699	1.241	1.184	1.175	0.784	0.308	1.356	0.584		
72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89		
0.975	1.213	0.527	1.308	0.565	0.889	0.184	1.251	0.641	1.356	0.118	0.403	0.203	0.137	0.432	0.965	0.356	0.603		
90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107		
0.261	0.794	1.251	0.546	1.232	0.108	1.108	0.68	0.27	0.841	0.67	0.851	1.232	1.089	0.784	1.099	0.546	0.68		
108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125		
1.28	0.584	1.061	0.08	1.251	0.289	0.927	1.232	1.061	0.699	0.632	1.356	1.337	0.565	0.594	0.07	0.889	0.851		
126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143		
1.032	0.461	0.184	0.28	0.756	0.27	1.365	0.489	0.365	0.899	1.413	0.127	0.575	0.651	0.632	0.622	1.08	0.556		
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	15	34	53	72	91	110	129			
LTE Band 41	QPSK	2506	39750	1	99	Right Cheek	0 mm	0.847	1.441	0.467	1.355	1.195	0.09	0.402	0.868	0.828			
Average Value of Time Sweep (W/kg)																			
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17		
0.353	1.315	0.506	0.315	1.372	1.058	0.839	0.201	1.258	1.172	0.087	0.572	0.668	0.887	1.087	0.467	0.429	0.315		
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35		
1.201	1.144	1.258	0.125	1.087	0.553	0.963	0.496	1.01	0.344	1.363	0.268	0.068	0.191	0.41	0.125	1.355	0.62		
36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53		
0.61	1.325	0.344	0.62	1.125	1.125	0.544	0.372	1.02	0.915	0.582	0.896	1.134	0.487	0.972	0.944	0.315	1.195		
54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71		
0.925	0.687	0.677	0.353	0.163	1.287	0.287	1.106	1.334	0.325	0.61	0.563	1.191	0.22	0.887	1.172	0.487	0.791		
72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89		
0.09	1.029	1.41	1.096	1.172	1.001	1.22	1.249	0.572	0.849	0.696	1.02	0.572	1.201	1.201	1.268	1.306	0.915		
90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107		
0.087	0.402	0.544	1.439	1.268	0.258	0.953	1.02	1.096	0.772	0.887	0.791	0.325	0.868	1.429	0.229	0.277	0.696		
108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125		
0.087	0.382	0.868	0.801	1.163	0.21	1.21	0.41	0.915	0.429	0.849	0.525	1.096	0.42	0.068	0.744	0.325	0.696		
126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143		
1.239	0.068	0.877	0.828	1.239	0.458	1.134	0.096	0.41	1.001	0.096	0.877	1.325	0.763	1.144	1.068	0.62	0.391		
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	16	35	54	73	92	111	130			
LTE Band 48	QPSK	3690	56640	1	0	Right Cheek	0 mm	0.86	1.829	1.296	1.81	1.701	1.804	1.732	1.695	1.69			
Average Value of Time Sweep (W/kg)																			
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17		
0.589	0.237	1.475	0.341	0.256	0.713	1.56	0.856	1.637	0.427	1.017	1.722	1.665	0.332	1.503	1.703	1.296	0.779		
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35		
0.151	1.646	1.77	0.817	0.265	0.97	0.713	0.703	0.922	0.703	1.351	1.084	0.922	0.484	0.722	0.551	0.465	1.81		
36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53		
1.246	0.389	0.446	0.379	0.779	0.408	1.513	0.941	0.303	0.617	1.246	1.217	1.513	1.713	0.427	1.637	1.179	0.951		
54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71		
1.701	1.732	0.141	1.522	1.579	0.875	1.122	1.646	0.465	0.56	1.494	1.437	1.208	0.998	1.056	0.389	1.789	0.722		
72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89		
0.951	1.804	0.494	1.598	1.056	1.084	0.094	0.713	0.398	0.57	0.465	1.084	0.132	0.275	1.027	0.856	1.446	1.227		
90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107		
0.865	0.103	1.732	0.151	1.417	0.437	0.56	0.237	1.065	1.637	0.094	0.656	0.713	1.217	0.379	0.903	1.151	0.903		
108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125		
0.779	0.151	0.96	1.695	0.675	0.122	1.322	0.484	1.179	1.522	0.989	1.16	1.341	0.227	1.798	1.703	1.741	1.694		
126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143		
0.817	1.513	1.341	0.522	1.69	1.017	0.798	1.703	1.675	0.427	0.217	1.732	0.122	0.265	0.656	1.656	0.798	1.389		
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)										
									Auto-Tune	17	36	55	74	93	112	131			
LTE Band 66	QPSK	1770	132572	1	0	Right Cheek	0 mm	0.986	1.668	0.491	0.628	0.771	1.61	1.449	1.448	1.399			
Average Value of Time Sweep (W/kg)																			
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17		
0.361	1.571	0.333	0.952	1.152	0.742	0.247	1.218	0.495	1.028	0.771	1.371	0.552	0.923	0.256	0.304	0.19	0.491		
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35		
0.295	1.199	0.333	0.999	0.18	1.58	0.533	1.323	0.504	0.428	1.009	1.085	1.476	0.571	1.009	0.914	0.495	1.437		
36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53		



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0.628	0.752	1.447	0.79	0.199	1.504	1.637	1.609	0.323	1.114	0.247	0.876	1.371	0.409	0.714	0.504	0.495	0.914
54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
1.209	0.771	0.818	0.114	1.361	0.476	0.485	1.399	1.447	0.571	0.209	1.609	0.314	0.361	1.514	0.971	1.133	0.895
72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89
1.037	1.39	1.61	0.714	0.923	1.39	1.666	1.333	1.666	0.333	1.618	0.923	1.476	0.885	0.447	0.114	1.018	1.371
90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107
1.247	0.59	1.514	1.449	0.609	1.247	1.495	1.095	1.18	1.276	1.295	1.456	0.495	1.333	1.552	0.152	1.133	0.761
108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
0.99	0.237	1.304	0.104	1.448	0.866	0.19	0.99	0.933	1.514	1.542	1.409	1.485	0.98	0.99	1.085	1.456	0.437
126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143
0.266	0.818	0.152	1.047	1.599	1.399	0.123	0.523	0.323	1.247	1.037	1.276	0.504	1.571	0.809	0.895	1.266	1.247
Body																	
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	2.542	2.409	2.485	1.98	1.99	2.085	2.456	1.437
WCDMA B2	RMC12.2K	1880	9400	N/A	N/A	Back	10mm	0.89	1.35	1.32	0.36	1.2	0.97	1.278	1.272	1.122	1.184
Average Value of Time Sweep (W/kg)																	
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
0.119	0.643	1.32	0.977	1.148	0.091	1.253	0.31	0.291	0.986	0.691	1.072	1.205	0.567	0.396	0.843	0.9	1.148
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
0.777	1.072	1.31	0.36	0.158	1.281	0.853	0.986	0.338	0.234	0.986	0.367	1.11	0.586	0.958	0.129	0.443	1.005
36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53
1.281	1.196	0.843	0.186	1.2	0.51	0.453	0.929	1.205	1.053	1.081	0.405	0.977	0.519	1.138	0.129	0.129	0.862
54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
0.119	1.329	0.386	0.51	0.967	0.97	1.3	0.586	0.434	1.119	0.281	0.443	1.1	0.11	1.015	1.253	1.196	1.034
72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89
1.319	0.948	0.958	0.958	1.072	0.815	1.278	0.167	1.338	0.119	0.71	0.386	1.024	0.491	0.767	0.424	0.9	0.177
90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107
1.243	0.281	1.148	1.091	0.224	0.986	0.558	1.272	0.5	1.167	0.672	0.786	0.767	0.215	0.634	0.662	1.205	0.986
108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
0.519	0.186	0.919	1.119	1.186	0.596	0.9	0.529	1.122	1.081	1.138	0.815	1.072	1.072	0.681	0.881	0.958	0.796
126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143
0.443	0.758	1.129	1.205	1.167	0.538	1.253	0.472	1.043	1.184	0.329	1.205	0.3	1.119	0.577	0.748	0.42	1.215
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	2.138	1.815	2.072	2.072	1.681	1.881	1.958	1.796
CDMA BC10	1xRTT RC3 SO32	1817.9	476	N/A	N/A	Back	10 mm	0.229	0.329	0.185	0.03	0.037	0.045	0.01	0.072	0.114	0.307
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	3.138	2.815	3.072	3.072	2.681	2.881	2.958	2.796
LTE Band 7	QPSK	2535	21100	1	0	Back	10 mm	0.912	1.45	0.725	1.077	1.047	0.87	1.295	0.797	0.541	0.528
Average Value of Time Sweep (W/kg)																	
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
0.972	0.781	0.505	0.267	0.296	1	1.372	1.162	0.725	0.934	0.781	1.2	0.219	0.753	1.172	0.381	0.915	0.486
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
1.381	1.124	0.829	0.315	1	1.058	1.267	0.105	0.753	1.077	1.153	0.819	0.353	0.572	1.315	1.419	1.134	0.219
36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53
1.286	0.181	1.362	0.191	1.172	0.162	0.943	0.477	1.343	1.381	1.047	0.953	1.124	1.41	1.086	0.086	0.915	1.419
54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
0.867	0.096	0.562	0.258	0.991	0.648	0.41	0.753	0.943	1.029	1.286	0.87	0.438	0.886	0.696	0.381	0.267	1.381
72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89
1.115	0.4	0.315	0.334	0.21	1.343	0.41	0.934	1.219	1.172	0.229	1.2	1.295	0.705	1.419	1.419	0.277	0.772
90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107
0.315	0.686	1.334	0.896	0.467	0.629	0.343	0.505	0.705	1.143	0.534	1.181	0.448	0.797	0.267	0.181	1.01	0.943
108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
0.305	0.096	0.334	0.743	0.867	1.191	0.143	0.696	0.277	0.6	0.886	0.191	0.867	1.381	0.541	0.705	0.391	0.096
126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143
0.477	0.162	0.105	0.972	1.248	0.496	0.467	0.41	1.438	1.105	1.077	0.991	0.667	0.448	1.258	0.528	0.858	0.962
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	4.138	3.815	4.072	4.072	3.681	3.881	3.958	3.796
LTE Band 12	QPSK	707.5	23095	1	49	Left Side	10 mm	0.341	0.504	0.013	0.004	0.001	0.055	0.029	0.087	0.155	0.087
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	5.138	4.815	5.072	5.072	4.681	4.881	4.958	4.796
LTE Band 13	QPSK	782	23230	1	25	Left Side	10 mm	0.602	0.833	0.124	0.007	0.016	0.160	0.124	0.400	0.497	0.107
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	11	5.815	6.072	6.072	5.681	5.881	5.958	
LTE Band 14	QPSK	793	23330	1	0	Front	10 mm	0.354	0.51	0.03	0.019	0.01	0.111	0.01	0.31	0.15	
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	12	6.815	7.072	7.072	6.681	6.881	6.958	
LTE Band 25	QPSK	1880	26340	1	0	Top Side	10 mm	0.83	1.19	1.046	0.33	0.775	0.81	1.034	0.71	0.98	
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	13	7.815	8.072	8.072	7.681	7.881	7.958	
LTE Band 26	QPSK	831.5	26865	1	0	Front	10 mm	0.461	0.65	0.24	0.03	0.006	0.04	0.23	0.59	0.123	
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	14	8.815	9.072	9.072	8.681	8.881	8.958	
LTE Band 30	QPSK	27710	2310	1	0	Back	10 mm	0.948	1.36	0.69	1.241	1.32	0.93	0.85	0.72	0.97	
Average Value of Time Sweep (W/kg)																	



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0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.282	1.329	1.206	0.968	0.768	0.301	1.339	0.32	0.768	1.234	0.272	0.472	1.101	1.006	0.69	0.148	0.253	0.368
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
0.282	0.796	0.653	0.815	1.253	0.425	0.539	0.234	0.472	1.158	0.453	1.063	0.825	0.253	0.834	1.241	0.11	0.91
36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53
0.948	0.234	0.625	0.282	0.901	0.758	0.339	0.587	1.215	0.672	0.453	0.91	1.187	0.196	0.463	0.491	1.32	0.196
54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
0.406	0.234	0.148	1.177	1.282	1.034	0.072	1.044	1.053	0.368	0.348	0.872	0.701	0.777	0.453	0.939	1.11	0.93
72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89
1.063	0.339	0.653	0.234	1.339	0.929	0.52	0.634	0.501	0.282	0.539	0.501	1.206	0.301	0.406	1.044	0.168	0.548
90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107
0.85	1.129	1.358	1.234	1.025	1.32	0.168	0.082	0.148	1.291	0.929	0.71	1.329	0.558	0.415	0.634	1.063	0.529
108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
1.215	0.72	0.225	0.663	0.606	0.12	0.101	1.282	0.11	1.348	0.301	0.101	0.415	0.158	0.425	1.234	0.32	0.548
126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143
0.682	0.939	0.97	1.301	0.282	0.806	0.244	1.158	1.006	0.101	0.158	0.396	0.329	1.348	0.444	1.063	0.253	0.682
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
LTE Band 41	QPSK	2680	41490	1	99	Top Side	10 mm	0.952	Auto-Tune	15	9.815	10.072	10.072	9.681	9.881	9.958	
Average Value of Time Sweep (W/kg)																	
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.385	0.157	0.871	1.547	1.119	0.157	1.585	0.585	1.443	0.424	1.3	1.29	0.719	0.29	0.338	0.842105263	1.224	0.909
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
1.024	1.052	0.881	0.347	0.595	0.957	0.633	1.1	0.843	0.128	0.519	0.89	0.69	0.995	0.805	1.224	1.533	0.252
36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53
1.224	0.157	1.347	0.985	0.462	0.281	1.09	0.605	0.595	0.528	0.881	0.985	0.433	1.452	1.462	1.243	0.147	1.246
54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
1.528	0.585	0.49	0.89	0.385	1.519	1.062	1.252	1.262	0.747	0.985	1.585	0.805	0.414	0.243	0.281	0.652	0.195
72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89
1.314	1.595	0.271	1.338	0.166	0.309	1.395	1.452	1.233	0.919	0.119	0.262	1.271	1.233	1.585	0.766	0.081	0.243
90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107
0.5	0.672	1.557	1.433	1.414	0.185	0.814	0.947	0.328	0.909	1.338	1.043	1.557	1.585	1.166	0.69	0.709	0.662
108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
1.547	0.471	1.229	0.643	0.405	1.176	0.443	0.081	1.157	1.481	0.262	0.195	0.938	0.585	1.1	0.69	1.071	1.328
126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143
1.014	0.1	0.424	1.162	0.947	0.347	1.433	1.395	0.119	1.357	0.909	1.062	1.319	1.49	0.776	0.5	1.166	0.385
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
LTE Band 48	QPSK	3690	56640	1	0	Top Side	10 mm	0.305	Auto-Tune	16	10.815	11.072	11.072	10.681	10.881	10.958	
Average Value of Time Sweep (W/kg)																	
										0.585	0.522	0.552	0.562	0.415	0.520	0.457	0.471
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
LTE Band 66	QPSK	1770	132572	1	0	Back	10 mm	0.906	Auto-Tune	17	11.815	12.072	12.072	11.681	11.881	11.958	
Average Value of Time Sweep (W/kg)																	
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
0.728	0.166	0.48	0.928	0.889	0.985	0.432	0.461	0.661	0.747	0.947	0.451	0.623	0.404	0.489	0.08	0.547	0.76
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
0.404	1.089	0.899	0.528	1.08	0.928	0.108	1.289	0.918	1.042	1.013	0.156	1.308	0.175	0.108	1.194	0.718	1.308
36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53
0.732	0.861	1.156	0.27	0.451	1.023	1.137	1.156	1.08	0.87	0.956	1.242	0.528	1.242	1.051	1.204	1.013	0.07
54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
0.404	0.56	1.023	0.88	0.794	0.08	0.537	0.899	0.642	0.166	0.308	0.832	0.547	1.194	1.261	0.366	0.394	0.299
72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89
0.785	0.918	1.21	1.128	0.889	0.718	1.204	0.423	1.289	1.251	1.194	0.708	0.889	0.385	0.451	0.166	0.899	0.366
90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107
0.994	0.328	1.28	0.892	0.566	0.442	0.28	0.528	0.08	0.728	0.956	1.204	0.194	0.575	1.251	0.451	0.528	1.318
108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
0.308	0.537	0.88	1.128	1.24	1.175	0.585	0.575	0.251	0.175	0.27	0.699	1.213	0.508	1.232	0.128	0.718	0.328
126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143
0.404	0.575	0.528	1.08	0.67	0.97	0.861	0.128	0.642	1.289	0.461	0.604	0.299	1.08	1.194	0.699	1.042	0.137
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
LTE Band 71	QPSK	683	133322	1	0	Left Side	10 mm	0.28	Auto-Tune	18	12.815	13.072	13.072	12.681	12.881	12.958	



<Ant 0b Tuner SAR results>

Head																									
Mode	Service/ Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																
									Auto-Tune	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	
GSM1900	GPRS (4 Tx slots)	1909.8	810	N/A	N/A	Right Cheek	0 mm	0.216	0.294	0.115	0.258	0.265	0.132	0.161	0.242	0.172	0.272	0.177	0.227	0.286	0.197	0.215	0.291	0.202	
Mode	Service/ Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																
									Auto-Tune	1	11	21	31	41	51	61	71	81	91	101	111	121	131	141	
WCDMA B2	RMC12.2K	1880	9400	N/A	N/A	Right Cheek	0 mm	0.229	0.302	0.155	0.224	0.231	0.196	0.182	0.106	0.19	0.219	0.205	0.162	0.274	0.181	0.199	0.287	0.182	
Mode	Service/ Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																
									Auto-Tune	2	12	22	32	42	52	62	72	82	92	102	112	122	132	142	
WCDMA B4	RMC12.2K	1732.6	1413	N/A	N/A	Right Cheek	0 mm	0.213	0.267	0.195	0.163	0.159	0.145	0.142	0.058	0.256	0.158	0.159	0.095	0.13	0.087	0.066	0.164	0.057	
Mode	Service/ Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																
									Auto-Tune	3	13	23	33	43	53	63	73	83	93	103	113	123	133	143	
CDMA BC1	1xRTT RC3 SO55	1908.75	1175	N/A	N/A	Right Cheek	0 mm	0.356	0.412	0.292	0.314	0.320	0.305	0.268	0.171	0.293	0.331	0.302	0.390	0.392	0.372	0.280	0.402	0.256	
Mode	Service/ Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																
									Auto-Tune	4	14	24	34	44	54	64	74	84	94	104	114	124	134		
LTE Band 7	QPSK	2560	21350	1	0	Right Cheek	0 mm	0.736	1.12	1.051	1.095	1.01	1.097	1.064	0.806	1.073	1.085	1.052	0.992	1.094	1.104	0.603	1.104		
Mode	Service/ Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																
									Auto-Tune	5	15	25	35	45	55	65	75	85	95	105	115	125	135		
LTE Band 25	QPSK	1905	26590	1	0	Right Cheek	0 mm	0.338	0.446	0.339	0.365	0.381	0.379	0.361	0.216	0.377	0.372	0.359	0.431	0.415	0.417	0.29	0.403		
Mode	Service/ Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																
									Auto-Tune	6	16	26	36	46	56	66	76	86	96	106	116	126	136		
LTE Band 30	QPSK	2310	27710	1	0	Right Cheek	0 mm	0.594	0.85	0.677	0.739	0.777	0.824	0.78	0.452	0.77	0.772	0.761	0.845	0.727	0.711	0.848	0.694		
Mode	Service/ Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																
									Auto-Tune	7	17	27	37	47	57	67	77	87	97	107	117	127	137		
LTE Band 41	QPSK	2506	39750	1	99	Right Cheek	0 mm	0.453	0.656	0.6295	0.654	0.665	0.627	0.6406	0.48	0.646	0.623	0.638	0.656	0.627	0.62	0.61	0.601		
Mode	Service/ Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																
									Auto-Tune	8	18	28	38	48	58	68	78	88	98	108	118	128	138		
LTE Band 48_ANT6	QPSK	3690	56640	1	0	Right Cheek	0 mm	0.153	0.236	0.072	0.129	0.072	0.034	0.11	0.196	0.034	0.139	0.177	0.129	0.101	0.167	0.053	0.205	0.072	
Mode	Service/ Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																
									Auto-Tune	9	19	29	39	49	59	69	79	89	99	109	119	129	139		
LTE Band 66	QPSK	1770	132572	1	0	Right Cheek	0 mm	0.249	0.314	0.244	0.233	0.224	0.255	0.162	0.313	0.24	0.312	0.146	0.286	0.124	0.128	0.271	0.113		
Body																									
Mode	Service/ Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																
									Auto-Tune	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	
GSM1900	GPRS (4 Tx slots)	1909.8	810	N/A	N/A	Back	10mm	0.973	1.413	0.5048	1.098	1.138	0.5867	0.6716	1.157	0.7942	1.232	0.7961	1.102	1.319	0.9756	1.023	1.363	0.9811	
Average Value of Time Sweep (W/kg)																									
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
0.5048	1.144	0.935	1.23	0.83	0.868	1.268	0.801	0.354	1.125	1.098	0.773	0.125	0.621	0.297	0.821	0.382	0.382	0.087	0.078	1.138	0.516	1.059	0.154	0.306	0.668
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51
1.068	0.725	0.887	0.135	0.5867	1.354	0.23	0.811	0.706	0.563	0.144	0.592	0.735	0.163	0.6716	0.125	0.211	0.221	0.773	0.163	0.478	1.23	1.211	0.563	1.157	0.125
52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77
0.544	0.497	0.706	0.906	0.621	0.659	0.497	0.278	0.7942	0.725	1.411	0.278	1.154	0.316	1.078	0.449	1.163	0.497	1.232	0.24	1.106	0.554	0.106	0.782	0.221	0.668
78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103
1.001	1.335	0.7961	1.249	0.211	0.801	0.278	0.944	0.992	0.449	0.259	1.287	1.102	0.821	0.182	1.354	0.535	0.125	1.354	0.754	0.487	0.478	1.319	1.106	1.049	0.163
104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129
1.344	0.754	0.821	0.63	0.068	1.106	0.9756	1.154	0.078	0.421	0.535	0.944	0.259	1.192	1.021	0.516	1.023	0.249	0.487	0.801	1.287	0.316	1.373	0.144	0.878	0.706
130	131	132	133	134	135	136	137	138	139	140	141	142	143												
1.363	0.068	1.373	1.363	0.192	0.725	1.001	0.354	0.935	0.849	0.9811	1.221	1.087	0.563												
Mode	Service/ Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																
									Auto-Tune	1	11	21	31	41	51	61	71	81	91	101	111	121	131	141	
WCDMA B2	RMC12.2K	1907.6	9538	N/A	N/A	Back	10mm	0.739	1.149	0.5775	0.8506	0.8856	0.6791	0.6124	0.4011	0.6903	0.8014	0.7035	0.7131	1.073	0.8048	0.8391	1.145	0.7916	
Mode	Service/ Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																
									Auto-Tune	2	12	22	32	42	52	62	72	82	92	102	112	122	132	142	
WCDMA B4	RMC12.2K	1732.6	1413	N/A	N/A	Bottom Side	10 mm	0.799	1.08	0.801	0.671	0.646	0.633	0.607	0.268	1.057	0.694	0.691	0.401	0.512	0.339	0.292	0.698	0.256	
Mode	Service/ Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																
									Auto-Tune	3	13	23	33	43	53	63	73	83	93	103	113	123	133	143	
CDMA BC1	1xRTT RC3 SO32	1908.75	1175	N/A	N/A	Back	10 mm	0.802	1.557	1.008	1.187	1.211	1.154	1.014	0.647	1.108	1.25	1.14	1.475	1.48	1.404	1.058	1.52	0.968	
Average Value of Time Sweep (W/kg)																									
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
1.213	1.099	0.937	1.008	1.223	0.661	0.413	0.585	1.108	1.48	0.365	0.204	1.565	1.187	0.756	0.727	1.213	0.842	1.423	1.004	1.423	1.089	0.518	1.211	1.051	0.118
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51
1.461	0.918	1.051	0.994	1.042	1.165	1.137	1.154	0.518	0.899	0.423	0.985	0.737	0.442	1.27	0.185	0.594	1.014	1.051	0.48	0.851	0.88	0.956	0.642	0.099	1.032
52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77
0.47	0.647	1.518	0.127	0.937	0.385	0.613	0.727	1.146	0.87	0.185	1.108	0.137	0.089	1.518	1.261	1.061	1.423	0.832	0.404	1.385	1.25	0.68	1.08	1.365	0.756
78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103
1.308	0.28	1.299	1.232	0.756	1.14	1.308	1.518	1.232	1.499	0.385	0.651	0.423	0.689	0.146	1.475	0.985	0.585	0.346	1.127	1.489	0.975	1.346	0.708	0.232	1.48
104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129
1.261	0.699	1.442	0.746	0.918	0.432	0.499	0.385	0.88	1.07	0.556	0.223	1.565	1.242	0.642	0.727	1.47	0.08	0.613	1.058	1.413	0.861	0.137	0.156	1.48	1.213
130	131	13																							



FCC SAR TEST REPORT

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LTE Band 7	QPSK	2535	21100	1	0	Back	10 mm	0.846	1.348	1.131	1.222	1.264	1.323	1.302	0.9615	1.18	1.304	1.284	1.125	1.312	1.258	0.7282	1.334		
Average Value of Time Sweep (W/kg)																									
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
0.889	0.67	1.251	1.26	1.131	0.708	0.232	0.546	1.146	0.698	0.489	0.66	0.813	0.108	1.222	0.279	0.984	0.66	1.279	1.336	0.289	0.565	0.536	1.213	1.264	1.222
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51
0.27	0.87	0.765	0.927	1.279	0.67	0.851	1.184	1.323	0.936	1.222	0.765	1.146	0.736	0.66	0.07	1.175	1.098	1.289	0.156	0.241	0.165	1.003	1.165	0.317	0.898
52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77
0.289	1.022	0.813	0.384	0.289	1.298	0.908	0.546	0.851	0.07	1.194	0.336	0.308	0.384	0.194	1.336	1.146	0.308	1.089	0.727	1.136	0.26	1.184	0.365	1.175	0.26
78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103
0.841	0.736	0.641	1.165	1.07	0.213	0.317	0.756	0.936	0.203	0.194	0.298	0.775	0.213	1.279	0.365	1.146	0.975	0.946	0.927	0.717	0.317	0.813	1.022	0.308	0.241
104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129
0.794	0.317	0.651	0.832	0.47	1.184	0.584	1.117	0.775	0.822	1.26	0.317	0.508	1.003	0.508	0.384	0.251	1.146	0.556	1.013	0.575	0.327	0.67	0.308	0.546	0.536
130	131	132	133	134	135	136	137	138	139	140	141	142	143												
0.67	0.441	0.279	1.175	1.279	0.098	0.689	1.222	0.813	1.022	0.308	0.375	0.594	1.289												
Average Value of Time Sweep (W/kg)																									
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																
LTE Band 25	QPSK	1905	26590	1	0	Back	10 mm	0.888	1.386	0.9015	0.9676	1.009	1.102	0.92	0.5859	1.037	1.082	1.014	1.381	1.231	1.241	1.176	1.147		
Average Value of Time Sweep (W/kg)																									
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
0.565	0.565	0.889	0.146	0.098	0.9015	0.136	0.26	1.384	0.803	1.241	0.241	0.879	1.279	0.984	0.9676	1.308	0.365	0.574	1.06	0.117	0.251	0.698	0.765	1.194	1.009
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51
1.346	0.317	0.984	0.308	0.965	0.527	0.508	1.155	0.508	1.102	0.613	0.898	1.251	0.451	0.279	0.327	0.955	0.479	0.26	0.92	0.841	0.565	0.594	0.479	0.66	0.203
52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77
0.146	1.155	0.984	0.5859	1.041	0.898	0.717	0.108	0.251	0.384	0.127	0.222	0.327	1.037	1.365	1.06	1.251	0.727	1.003	0.936	1.365	1.136	0.889	1.082	0.879	0.974
78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103
0.746	0.708	0.784	0.155	1.032	0.536	0.746	1.014	0.374	0.422	0.574	1.051	0.155	0.679	0.708	0.736	0.936	0.374	0.251	1.308	0.517	0.717	0.86	1.003	0.803	1.232
104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129
0.794	1.231	0.546	1.108	0.955	1.155	0.508	0.079	0.974	0.917	0.622	1.241	1.146	1.032	0.308	0.317	0.651	0.498	0.717	1.365	1.079	0.66	0.336	0.87	1.013	0.194
130	131	132	133	134	135	136	137	138	139	140	141	142	143												
0.908	0.298	0.717	1.127	0.479	1.147	0.536	1.327	0.955	0.108	0.803	1.022	1.117	0.174												
Average Value of Time Sweep (W/kg)																									
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																
LTE Band 30	QPSK	2310	27710	1	0	Back	10 mm	0.754	1.022	0.7625	0.8132	0.8457	0.8316	0.7922	0.4348	0.8513	0.7824	0.7628	0.9571	0.7379	0.7418	1.0142	0.8724		
Average Value of Time Sweep (W/kg)																									
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																
LTE Band 41	QPSK	2680	41490	1	99	Back	10 mm	0.922	1.433	1.411	1.428	1.421	1.136	1.177	0.6964	1.415	1.127	1.179	1.383	1.078	1.061	1.291	1.004		
Average Value of Time Sweep (W/kg)																									
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
0.393	0.717	0.155	1.031	0.602	0.46	0.136	1.411	0.288	0.469	0.612	1.031	0.812	0.202	0.441	1.136	1.383	1.428	1.126	0.631	1.279	0.964	0.602	1.345	0.564	0.745
26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51
1.298	1.421	0.383	0.488	0.688	1.002	1.098	1.136	0.621	0.717	1.164	1.136	0.821	0.345	0.431	1.136	1.021	0.355	1.088	0.688	0.621	1.177	0.621	0.145	0.421	1.164
52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77
0.288	0.364	0.879	0.669	1.383	0.6964	0.441	0.755	0.193	0.66	1.374	0.336	0.85	0.107	0.774	1.415	1.088	1.269	0.945	0.66	0.831	1.145	1.031	1.145	0.821	1.127
78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103
0.507	0.374	0.745	0.383	0.079	0.764	0.46	1.031	0.183	1.179	0.726	1.298	0.279	0.193	0.431	0.183	1.183	0.526	0.85	1.383	1.307	0.841	1.345	0.583	0.888	1.021
104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129
0.536	0.983	0.412	1.078	0.983	0.726	0.593	0.498	1.031	1.402	1.012	1.002	0.221	1.061	1.298	0.688	1.393	0.412	0.717	0.507	1.107	1.126	1.107	1.291	1.355	0.688
130	131	132	133	134	135	136	137	138	139	140	141	142	143												
0.336	1.079	0.383	0.583	0.736	0.317	0.707	1.004	1.06	0.441	0.65	0.755	1.383	1.284												
Average Value of Time Sweep (W/kg)																									
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																
LTE Band 48 (Ant 6)	QPSK	3690	56640	1	0	Back	10 mm	0.472	0.763	0.475	0.504	0.447	0.323	0.742	0.409	0.666	0.161	0.475	0.704	0.599	0.323	0.571	0.761		
Average Value of Time Sweep (W/kg)																									
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)																
LTE Band 66	QPSK	1770	132572	1	0	Back	10 mm	0.624	0.913	0.609	0.5839	0.5516	0.6671	0.4116	0.7868	0.6169	0.8451	0.3824	0.7148	0.3336	0.3339	0.6898	0.3018		



<Ant 0c Tuner SAR results>

Head																		
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
									Auto-Tune	0	17	34	51	68	85	102	119	136
GSM850	GPRS (4 Tx slots)	824.2	128	N/A	N/A	Left Cheek	0 mm	0.247	0.2616	0.1071	0.187	0.1294	0.111	0.118	0.1092	0.171	0.256	0.081
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
GSM1900	GPRS (4 Tx slots)	1909.8	810	N/A	N/A	Left Cheek	0 mm	0.349	0.4267	0.3298	0.3441	0.2136	0.2698	0.1266	0.0837	0.2972	0.135	0.1066
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
WCDMA B2	RMC12.2K	1907.6	9538	N/A	N/A	Left Cheek	0 mm	0.569	0.7242	0.647	0.5843	0.3634	0.3831	0.2436	0.1719	0.3076	0.2227	0.1545
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
WCDMA B4	RMC12.2K	1732.6	1413	N/A	N/A	Left Cheek	0 mm	0.447	0.542	0.2606	0.3059	0.268	0.455	0.2194	0.1793	0.3893	0.2096	0.1945
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
WCDMA B5	RMC12.2K	846.6	4233	N/A	N/A	Left Cheek	0 mm	0.454	0.495	0.30852	0.49374	0.22338	0.30066	0.12888	0.22698	0.17244	0.16668	0.17154
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
CDMA BC0	1xRTT RC3 SO55	836.52	384	N/A	N/A	Left Cheek	0 mm	0.481	0.577	0.392	0.582	0.077	0.017	0.001	0.321	0.426	0.062	0.138
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
CDMA BC1	1xRTT RC3 SO55	1908.75	1175	N/A	N/A	Left Cheek	0 mm	0.552	0.724	0.652	0.573	0.350	0.150	0.351	0.448	0.232	0.111	0.184
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
CDMA BC10	1xRTT RC3 SO55	817.9	476	N/A	N/A	Left Cheek	0 mm	0.254	0.294	0.213	0.292	0.176	0.079	0.062	0.181	0.224	0.094	0.134
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
LTE Band 12	QPSK	707.5	23095	1	49	Left Cheek	0 mm	0.317	0.3477	0.2701	0.3254	0.0179	0.0035	0.0911	0.0684	0.1166	0.0061	
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
LTE Band 13	QPSK	782	23230	1	25	Left Cheek	0 mm	0.41	0.4565	0.422675	0.385825	0.09075	0.00165	0.077	0.03905	0.043725	0.003575	
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
LTE Band 14	QPSK	793	23330	1	0	Left Cheek	0 mm	0.465	0.5315	0.5307	0.4728	0.1683	0.0024	0.0213	0.0537	0.0003	0.0027	
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
LTE Band 25	QPSK	1860	26140	1	0	Left Cheek	0 mm	0.66	0.8343	0.6355	0.4291	0.3634	0.3338	0.3718	0.501	0.3727	0.2663	
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
LTE Band 26	QPSK	831.5	26865	1	0	Left Cheek	0 mm	0.38	0.443	0.41906	0.4186	0.36846	0.0161	0.007	0.14375	0.00437	0.03933	
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
LTE Band 30	QPSK	2310	27710	1	0	Left Cheek	0 mm	0.443	0.626	0.3924	0.2998	0.4183	0.4822	0.3231	0.4647	0.3202	0.3694	
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
LTE Band 41	QPSK	2636.5	41055	1	99	Left Cheek	0 mm	0.41	0.601	0.2755	0.336	0.3345	0.5371	0.5312	0.3645	0.5391	0.4935	
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
LTE Band 66	QPSK	1770	132572	1	0	Left Cheek	0 mm	0.51	0.632	0.4421	0.5118	0.4696	0.2693	0.823	0.4442	0.0914	0.191	
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
LTE Band 71	QPSK	683	133322	1	0	Left Cheek	0 mm	0.22	0.231	0.2213	0.0489	0.024	0.015	0.0003	0.1245	0.027	0.0174	
Body																		
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
									Auto-Tune	0	17	34	51	68	85	102	119	136
GSM850	GPRS (4 Tx slots)	836.4	189	N/A	N/A	Back	10mm	0.841	1.192	0.1034	1.167	0.654	0.0265	0.1451	0.0615	0.5757	0.8124	0.0001
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
GSM1900	GPRS (4 Tx slots)	1909.8	810	N/A	N/A	Back	10mm	0.414	0.633	0.5123	0.5472	0.3343	0.4349	0.1851	0.1077	0.4726	0.2007	0.1494
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
WCDMA B2	RMC12.2K	1907.6	9538	N/A	N/A	Left Side	10mm	0.802	1.16	1.098	0.992	0.574	0.607	0.343	0.199	0.838	0.300	0.167
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
WCDMA B4	RMC12.2K	1732.6	1413	N/A	N/A	Left Side	10 mm	0.629	0.876	0.361	0.468	0.397	0.879	0.317	0.243	0.623	0.306	0.272
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
WCDMA B5	RMC12.2K	846.6	4233	N/A	N/A	Back	10 mm	0.839	1.117	0.5036	1.114	0.3474	0.4359	0.0156	0.3795	0.1601	0.1556	0.1667
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
CDMA BC0	1xRTT RC3 SO32	848.31	777	N/A	N/A	Back	10 mm	0.921	1.296	0.868	1.287	0.171	0.038	0.003	0.709	0.943	0.138	0.101
Average Value of Time Sweep (W/kg)																		



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0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
0.96	1.198	0.322	0.427	0.789	1.296	0.627	1.236	0.408	0.446	0.294	0.551	1.151	0.636	0.503	1.132	0.389	0.798	0.694
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
0.97	0.989	0.894	1.287	0.655	0.274	0.589	0.732	0.084	1.274	0.274	0.703	0.532	1.103	0.494	1.17	0.703	0.922	1.132
38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
0.579	0.171	1.236	0.894	0.722	0.913	0.141	0.817	0.455	0.227	0.503	0.532	0.227	0.789	0.379	0.817	0.522	0.674	0.038
57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
0.732	0.732	1.046	0.198	0.722	0.979	1.027	0.941	0.427	0.446	1.113	0.579	0.789	0.522	0.122	0.217	0.003	0.77	1.255
76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94
1.151	0.532	1.141	1.208	0.474	0.589	0.522	1.274	0.827	0.398	0.408	0.827	0.389	0.503	0.709	0.436	0.627	0.608	0.274
95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113
0.741	0.817	0.636	0.408	0.694	1.189	0.97	0.513	1.17	1.17	0.779	0.294	0.943	0.513	0.255	0.722	1.055	0.122	0.674
114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132
1.008	0.741	0.732	0.484	0.303	0.446	0.56	0.255	0.97	0.227	0.138	0.97	0.332	0.76	0.417	1.189	0.56	0.208	0.217
133	134	135	136	137	138	139	140	141	142	143								
0.989	1.065	0.741	1.151	0.598	0.189	1.284	1.246	0.101	0.389	0.703								
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
									Auto-Tune	6	23	40	57	74	91	108	125	142
CDMA BC1	1xRTT RC3 SO32	1908.75	1175	N/A	N/A	Left Side	10 mm	0.911	1.317	1.170	1.028	0.627	0.268	0.630	0.804	0.417	0.202	0.172
Average Value of Time Sweep (W/kg)																		
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
0.601	0.963	0.22	1.001	1.077	0.648	1.117	1.067	0.486	0.658	0.391	0.467	0.544	0.658	0.763	0.667	0.258	0.144	0.296
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
0.867	0.572	1.058	0.248	1.028	0.991	0.553	0.448	0.867	0.715	1.22	0.544	1.067	0.791	0.763	1.163	0.277	1.067	1.22
38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
0.582	1.086	0.627	0.839	0.277	0.686	0.877	0.41	0.153	0.753	0.81	0.296	1.286	0.477	1.01	1.305	0.563	1.058	1.096
57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
0.268	0.067	1.086	0.877	0.886	0.163	0.991	0.401	0.763	0.372	0.248	0.372	1.286	0.42	0.496	0.248	1.105	0.63	0.458
76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94
0.877	0.477	0.534	0.925	1.048	0.515	0.153	0.715	0.42	0.115	0.582	1.296	1.001	0.182	0.134	0.804	0.944	0.172	1.267
95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113
0.944	0.991	1.239	0.22	0.334	0.353	1.21	0.677	0.467	0.229	1.153	0.372	0.325	0.417	0.801	0.086	1.22	1.001	0.629
114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132
0.239	0.62	0.801	0.82	0.601	0.686	1.229	0.201	0.182	0.363	1.182	0.202	0.601	0.515	0.391	0.582	0.715	1.267	1.048
133	134	135	136	137	138	139	140	141	142	143								
0.096	0.982	0.705	0.467	0.182	0.896	1.267	0.401	0.077	0.172	1.21								
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
									Auto-Tune	7	24	41	58	75	92	109	126	143
CDMA BC10	1xRTT RC3 SO32	823.1	684	N/A	N/A	Back	10 mm	0.884	1.245	0.814	1.234	0.617	0.101	0.009	0.643	0.872	0.181	0.238
Average Value of Time Sweep (W/kg)																		
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
0.919	0.595	0.462	0.776	0.91	0.138	0.091	0.814	0.719	1.195	1.043	0.205	0.357	0.691	0.148	0.995	0.424	0.186	0.814
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
0.405	0.262	0.681	1.224	0.605	1.234	0.329	0.348	1.014	0.348	0.129	0.148	0.348	0.548	1.167	0.795	0.376	1.129	0.929
38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
0.3	1.138	1.224	0.617	0.5	0.481	0.1	0.776	0.957	0.605	0.691	1.233	0.3	0.376	0.443	0.872	0.557	1.091	0.9
57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
0.786	0.101	0.243	0.748	0.767	1.243	0.395	0.386	1.1	0.7	1.11	0.481	0.519	0.948	0.957	0.262	0.567	0.3	0.009
76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94
0.281	0.853	0.272	0.995	0.395	0.986	0.51	0.11	0.681	0.519	0.51	0.824	1.129	0.595	0.11	0.586	0.643	0.081	0.395
95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113
1.024	0.824	0.576	0.186	0.129	0.338	0.472	0.424	0.357	0.072	0.443	1.138	0.3	0.576	0.872	0.176	0.967	1.157	0.414
114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132
1.129	0.357	0.462	1.157	0.167	0.253	0.71	0.51	1.148	1.138	0.367	0.329	0.181	0.891	0.129	0.186	1.243	0.862	0.453
133	134	135	136	137	138	139	140	141	142	143								
1.224	0.091	0.614	0.843	0.176	1.043	0.253	1.053	0.824	0.624	0.238								
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
									Auto-Tune	8	25	42	59	76	93	110	127	
LTE Band 12	QPSK	707.5	23095	1	49	Back	10 mm	0.344	0.4681	0.3548	0.446	0.0206	0.0002	0.1178	0.0966	0.1576	0.0029	
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
									Auto-Tune	9	26	43	60	77	94	111	128	
LTE Band 13	QPSK	782	23230	1	25	Back	10 mm	0.821	1.038	1.006	1.018	0.1765	0.0093	0.2526	0.1155	0.1469	0.03	
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
									Auto-Tune	10	27	44	61	78	95	112	129	
LTE Band 14	QPSK	793	23330	1	0	Back	10 mm	0.913	1.235	1.23	1.165	0.353	0.0157	0.0655	0.196	0.0027	0.0343	
Average Value of Time Sweep (W/kg)																		
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
0.281	0.376	0.7	1.204	0.452	0.719	1.157	0.481	0.947	0.443	1.23	1.1	0.604	0.528	0.652	0.671	1.223	1.014	0.223
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
1.157	0.643	0.785	0.633	0.195	0.433	0.404	0.09	1.165	0.081	0.547	0.595	0.966	0.357	1.119	0.557	0.071	0.776	0.281
38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
0.623	0.89	0.471	1.147	0.766	0.69	0.353	0.319	1.052	0.223	0.671	0.738	0.623	0.757	0.328	0.328	1.004	0.681	0.966
57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
1.09	0.319	0.157	0.233	0.0157	0.1	0.1	0.433	0.823	0.881	0.919	0.776	0.881	1.185	0.633	0.938	0.071	1.043	0.576



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76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94
0.319	0.119	0.0655	0.776	0.147	1.166	0.757	0.338	0.385	1.081	0.433	0.557	0.509	0.662	0.528	0.385	0.652	0.528	0.623
95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113
0.196	0.947	0.309	0.766	0.947	0.119	1.043	0.509	0.919	0.166	1.09	1.062	0.881	0.947	0.709	0.328	0.852	0.0027	0.671
114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132
0.071	0.709	0.776	0.623	0.7	0.109	0.843	0.062	0.366	0.471	1.147	0.966	1.204	0.776	0.166	0.0343	1.023	0.49	0.909
133	134	135	136	137	138	139	140	141	142	143								
0.433	0.452	0.662	0.566	0.69	1.214	0.509	0.452	0.204	0.49	0.757								
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
									Auto-Tune	11	28	45	62	79	96	113	130	
LTE Band 25	QPSK	1905	26590	1	0	Left Side	10 mm	0.897	1.295	1.051	0.973	0.540	0.274	0.110	0.852	0.928	0.302	
Average Value of Time Sweep (W/kg)																		
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
0.893	0.883	0.807	0.96	0.455	0.217	0.645	0.817	0.941	1.188	0.331	1.051	0.35	0.55	0.331	1.236	0.836	0.855	0.626
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
0.474	0.274	0.493	0.322	0.388	0.912	0.55	1.179	0.973	0.474	0.693	0.255	0.36	1.217	0.283	0.36	0.855	0.883	0.35
39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57
0.083	1.198	1.207	0.922	0.617	1.179	0.54	1.255	1.274	1.217	0.96	0.35	0.331	1.036	0.712	0.988	0.217	0.112	0.245
58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76
0.826	0.56	0.112	1.103	0.274	1.245	0.331	1.007	1.188	1.017	1.16	0.788	0.626	0.398	1.131	0.264	0.331	1.074	0.56
77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95
0.807	1.15	0.11	0.731	1.293	0.626	1.036	0.093	0.512	0.855	0.103	1.255	0.483	0.445	0.245	1.103	1.074	0.874	0.064
96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114
0.852	0.588	0.379	0.331	0.083	0.969	1.179	0.255	0.96	0.426	0.293	1.083	0.922	1.093	1.293	0.541	0.15	0.928	0.855
115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133
0.179	0.426	0.541	0.226	0.245	0.817	0.131	1.16	0.341	0.988	0.512	0.503	0.426	0.083	0.741	0.302	0.941	0.188	0.731
134	135	136	137	138	139	140	141	142	143									
0.322	0.264	1.226	0.988	0.664	0.407	0.864	0.988	0.969	0.445									
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
									Auto-Tune	12	29	46	63	80	97	114	131	
LTE Band 26	QPSK	831.5	26865	1	0	Back	10 mm	0.855	1.148	1.056	1.038	0.6765	0.051	0.0022	0.4404	0.0169	0.1247	
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
									Auto-Tune	13	30	47	64	81	98	115	132	
LTE Band 30	QPSK	2310	27710	1	0	Back	10 mm	0.639	0.9041	0.6333	0.4843	0.6118	0.3049	0.5037	0.7377	0.4998	0.555	
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
									Auto-Tune	14	31	48	65	82	99	116	133	
LTE Band 41	QPSK	2680	41490	1	99	Left Side	10 mm	0.815	1.402	0.594	0.641	1.110	1.147	1.232	0.640	1.013	1.253	
Average Value of Time Sweep (W/kg)																		
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
0.324	1.057	1.171	0.533	0.067	0.467	0.752	1.276	0.248	0.895	1.276	1.267	0.981	0.886	0.594	0.133	0.876	0.086	0.59
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
1.038	0.752	0.181	0.114	0.771	0.162	0.495	0.695	1.019	1.181	1.076	0.105	0.641	0.514	0.771	0.114	1.19	0.971	0.495
38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
1.029	0.229	0.457	0.457	0.476	0.219	0.438	0.39	0.419	0.295	1.11	0.524	0.371	0.876	1.114	1.219	0.133	0.619	0.505
57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
0.067	1.219	0.419	0.59	0.352	0.59	1.01	0.867	1.147	0.943	0.429	1.286	1.4	1.171	0.371	0.229	0.59	0.448	0.133
76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94
1.181	0.848	0.324	0.6	0.086	1.057	1.232	0.067	1.01	1.4	0.876	0.81	1.4	1.333	0.505	1.39	0.429	0.724	0.638
95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113
0.143	1.362	0.248	0.581	0.64	0.171	1.381	1.305	0.971	0.648	0.086	0.286	0.429	0.829	0.59	1.276	0.638	0.076	0.781
114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132
0.19	1.105	1.013	1.248	0.686	0.695	0.133	0.638	0.886	0.771	0.067	0.495	1.362	0.39	0.295	1.39	0.124	0.257	0.324
133	134	135	136	137	138	139	140	141	142	143								
1.253	0.771	0.333	1.086	0.2	0.2	0.933	1.019	1.029	0.543	1.124								
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
									Auto-Tune	15	32	49	66	83	100	117	134	
LTE Band 66	QPSK	1745	132322	1	0	Left Side	10 mm	0.635	0.895	0.544	0.632	0.408	0.350	0.545	0.505	0.731	0.329	
Mode	Service/Modulation	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)									
									Auto-Tune	16	33	50	67	84	101	118	135	
LTE Band 71	QPSK	683	133322	1	0	Left Side	10 mm	0.484	0.619	0.331	0.029	0.069	0.042	0.004	0.547	0.278	0.035	

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18. Uncertainty Assessment

Per KDB 865664 D01 SAR measurement 100MHz to 6GHz, when the highest measured 1-g SAR within a frequency band is < 1.5 W/kg and the measured 10-g SAR within a frequency band is < 3.75 W/kg. The expanded SAR measurement uncertainty must be $\leq 30\%$, for a confidence interval of $k = 2$. If these conditions are met, extensive SAR measurement uncertainty analysis described in IEEE Std 1528-2013 is not required in SAR reports submitted for equipment approval. For this device, the highest measured 1-g SAR is less 1.5W/kg and highest measured 10-g SAR is less 3.75W/kg. Therefore, the measurement uncertainty table is not required in this report.

19. References

- [1] FCC 47 CFR Part 2 "Frequency Allocations and Radio Treaty Matters; General Rules and Regulations"
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- [4] SPEAG DASY System Handbook
- [5] FCC KDB 248227 D01 v02r02, "SAR Guidance for IEEE 802.11 (WiFi) Transmitters", Oct 2015.
- [6] FCC KDB 447498 D01 v06, "Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies", Oct 2015
- [7] FCC KDB 648474 D04 v01r03, "SAR Evaluation Considerations for Wireless Handsets", Oct 2015.
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- [10] FCC KDB 941225 D05A v01r02, "Rel. 10 LTE SAR Test Guidance and KDB Inquiries", Oct 2015
- [11] FCC KDB 941225 D06 v02r01, "SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities", Oct 2015.
- [12] FCC KDB 865664 D01 v01r04, "SAR Measurement Requirements for 100 MHz to 6 GHz", Aug 2015.
- [13] FCC KDB 865664 D02 v01r02, "RF Exposure Compliance Reporting and Documentation Considerations" Oct 2015.