



### 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
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



**FCC SAR TEST REPORT**

**Report No. : FA8N0616-05A**

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	2A		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



**FCC SAR TEST REPORT**

Report No. : FA8N0616-05A

		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	844	20600	QPSK	1	0	25	20	1960	8340	24.60	24.67
		12	10	704	23060	QPSK	1	0	25	20	1960	8340	24.77	24.77
Intra-Band	Non-Contiguous	2	20	1860	18700	QPSK	1	0	2	5	1987.5	1175	24.40	24.41
		4	20	1745	20300	QPSK	1	0	4	5	2112.5	1975	24.46	24.54
		5	10	844	20600	QPSK	1	0	5	5	871.5	2425	24.58	24.67
		7	20	2535	20850	QPSK	1	99	7	5	2687.5	3425	24.54	24.62
	Contiguous	12	5	701.5	23035	QPSK	1	12	12	5	743.5	5155	24.75	24.75
		2	20	1860	18700	QPSK	1	0	2	20	1959.80	898	24.40	24.41
		5	10	844	20600	QPSK	1	0	5	5	881.80	2528	24.67	24.67
		7	20	2535	20850	QPSK	1	99	7	20	2674.80	3048	24.59	24.62
		12	10	704	23060	QPSK	1	0	12	5	741.20	5132	24.71	24.77
		66	15	1772.5	132597	QPSK	1	0	66	5	2163.20	66968	24.55	24.60
	66	20	1720	132072	QPSK	1	0	66	20	2139.80	66734	24.61	24.61	

**<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	24.35	24.41	
		2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	71	20	634.5	68761	24.40	24.41	
		2	20	1860	18700	QPSK	1	0	5	10	881.5	2525	7	20	2655	3100	24.31	24.41	
		4	20	1745	20300	QPSK	1	0	4	5	2112.5	1975	13	10	751	5230	24.48	24.54	
		4	20	1745	20300	QPSK	1	0	4	5	2112.5	1975	71	20	634.5	68761	24.50	24.54	
		4	20	1745	20300	QPSK	1	0	4	5	2112.5	1975	7	20	2655	3100	24.48	24.54	
		5	10	844	20600	QPSK	1	0	5	5	871.5	2425	66	20	2155	66886	24.65	24.67	
		5	10	844	20600	QPSK	1	0	7	20	2655	3100	7	5	2687.5	3425	24.65	24.67	
		5	10	844	20600	QPSK	1	0	7	20	2655	3100	7	20	2674.8	3298	24.57	24.67	
		7	20	2535	20850	QPSK	1	99	7	5	2687.5	3425	46	20	5537.5	50665	24.55	24.62	
		25	20	1860	26140	QPSK	1	0	25	5	1992.5	8665	26	10	876.5	8865	24.56	24.58	
		66	20	1720	132072	QPSK	1	0	66	20	2139.8	66734	46	20	5537.5	50665	24.53	24.61	
	Intra-Band	Non-Contiguous	25	20	1860	26140	QPSK	1	0	25	5	1992.5	8665	25	5	1960	8340	24.51	24.58
			66	20	1720	132072	QPSK	1	0	66	5	2197.5	67311	66	5	2155	66886	24.54	24.61
66			20	1720	132072	QPSK	1	0	66	5	2197.5	67311	66	15	2188.2	67218	24.53	24.61	
66			20	1720	132072	QPSK	1	0	66	5	2197.5	67311	66	20	2185.8	67194	24.55	24.61	



<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	24.39	24.41	
	2	20	1860	18700	QPSK	1	0	13	10	751	5230	66	20	2155	66886	66	20	2174.8	67084	24.31	24.41	
	2	20	1860	18700	QPSK	1	0	2	5	1987.5	1175	4	20	2132.5	2175	12	10	737.5	5095	24.41	24.41	
	2	20	1860	18700	QPSK	1	0	2	5	1987.5	1175	4	20	2132.5	2175	4	5	2112.5	1975	24.38	24.41	
	2	20	1860	18700	QPSK	1	0	2	5	1987.5	1175	4	20	2132.5	2175	5	10	881.5	2525	24.35	24.41	
	2	20	1860	18700	QPSK	1	0	2	5	1987.5	1175	66	20	2155	66886	71	20	634.5	68761	24.31	24.41	
	2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	12	5	737.5	5095	12	5	743.5	5155	24.36	24.41	
	2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	12	10	737.5	5095	30	10	2355	9820	24.33	24.41	
	2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	12	10	734	5060	12	5	741.2	5132	24.31	24.41	
	2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	29	10	722.5	9715	30	10	2355	9820	24.34	24.41	
	2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	4	5	2112.5	1975	12	10	737.5	5095	24.36	24.41	
	2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	4	5	2112.5	1975	5	10	881.5	2525	24.31	24.41	
	2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	5	10	881.5	2525	30	10	2355	9820	24.32	24.41	
	2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	5	10	881.5	2525	5	5	888.7	2597	24.38	24.41	
	2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	7	20	2655	3100	12	10	737.5	5095	24.35	24.41	
	2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	7	20	2655	3100	7	5	2687.5	3425	24.35	24.41	
	2	20	1860	18700	QPSK	1	0	4	20	2132.5	2175	7	20	2655	3100	7	20	2674.8	3298	24.34	24.41	
	2	20	1860	18700	QPSK	1	0	66	20	2155	66886	66	5	2197.5	67311	71	20	634.5	68761	24.33	24.41	
	2	20	1860	18700	QPSK	1	0	7	20	2655	3100	66	20	2155	66886	66	5	2197.5	67311	24.40	24.41	
	2	20	1860	18700	QPSK	1	0	2	20	1959.8	898	66	20	2155	66886	66	5	2197.5	67311	24.33	24.41	
	2	20	1860	18700	QPSK	1	0	66	20	2155	66886	66	20	2174.8	67084	71	20	634.5	68761	24.34	24.41	
	4	20	1745	20300	QPSK	1	0	4	5	2112.5	1975	12	10	737.5	5095	30	10	2355	9820	24.47	24.54	
	4	20	1745	20300	QPSK	1	0	4	5	2112.5	1975	12	10	734	5060	12	5	741.2	5132	24.51	24.54	
	4	20	1745	20300	QPSK	1	0	4	5	2112.5	1975	5	10	881.5	2525	5	5	888.7	2597	24.48	24.54	
	5	10	844	20600	QPSK	1	0	30	10	2355	9820	66	20	2155	66886	66	5	2197.5	67311	24.60	24.67	
	7	20	2535	20850	QPSK	1	99	7	20	2674.8	3048	66	20	2155	66886	66	5	2197.5	67311	24.56	24.62	
	12	10	704	23060	QPSK	1	0	12	5	741.2	5132	66	20	2155	66886	66	5	2197.5	67311	24.77	24.77	
	13	10	782	23230	QPSK	1	25	66	20	2155	66886	66	5	2197.5	67311	66	20	2120	66536	24.64	24.66	
	25	20	1860	26140	QPSK	1	0	41	20	2593	40620	41	20	2612.8	40818	41	20	2632.6	41016	24.51	24.58	
	30	10	2310	27710	QPSK	1	0	29	10	722.5	9715	66	20	2155	66886	66	5	2197.5	67311	24.28	24.37	
	48	20	3690	56640	QPSK	1	49	48	5	3552.5	55265	66	20	2155	66886	66	5	2197.5	67311	22.45	22.52	
	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	24.28
Contiguous		48	20	3690	56640	QPSK	1	49	48	20	3670.20	56442	48	20	3650.40	56244	48	20	3630.60	56046	22.49	22.52





<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	24.31	24.41			
	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	24.37	24.41			
	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	24.33	24.41			
	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	24.37	24.41			
	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	24.35	24.41			
	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	24.40	24.41			
	2	20	1860	18700	QPSK	1	0	14	10	763	5330	30	10	2355	9820	66	20	2155	66886	66	5	2197.5	67311	24.33	24.41			
	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	24.34	24.41			
	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	24.41	24.41			
	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	24.39	24.41			
	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	24.33	24.41			
	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	24.37	24.41			
	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	24.31	24.41			
	2	20	1860	18700	QPSK	1	0	2	5	1987.5	1175	14	10	763	5330	30	10	2355	9820	66	20	2155	66886	24.38	24.41			
	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	24.33	24.41			
	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	24.41	24.41			
	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	24.36	24.41			
	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	24.41	24.41			
	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	24.31	24.41			
	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	24.40	24.41			
	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	24.36	24.41			
	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	24.33	24.41			
	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	24.33	24.41			
	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	24.33	24.41			
	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	24.39	24.41			
	2	20	1860	18700	QPSK	1	0	48	20	3625	55990	48	20	3644.8	56188	48	5	3552.5	55265	48	20	3564.2	55382	24.36	24.41			
	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	24.40	24.41			
	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	24.38	24.41			
	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	24.37	24.41			
	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	24.31	24.41			
	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	24.36	24.41			
	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	24.38	24.41			
	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	24.39	24.41			
	2	20	1860	18700	QPSK	1	0	7	20	2655	3100	12	10	734	5060	12	5	741.2	5132	66	20	2155	66886	24.39	24.41			
	2	20	1860	18700	QPSK	1	0	13	10	751	5230	48	20	3625	55990	48	5	3697.5	56715	66	20	2155	66886	24.33	24.41			
	2	20	1860	18700	QPSK	1	0	13	10	751	5230	48	20	3625	55990	48	20	3644.8	56188	66	20	2155	66886	24.41	24.41			
	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	24.34	24.41			
	2	20	1860	18700	QPSK	1	0	14	10	763	5330	66	20	2155	66886	66	5	2197.5	67311	66	20	2120	66536	24.38	24.41			
	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	24.48	24.54			
	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	24.48	24.54			
5	10	844	20600	QPSK	1	0	48	20	3625	55990	48	5	3697.5	56715	48	20	3685.8	56598	48	20	3666	56400	24.57	24.67				
5	10	844	20600	QPSK	1	0	48	20	3625	55990	48	20	3644.8	56188	48	20	3664.6	56386	66	20	2155	66886	24.66	24.67				
5	10	844	20600	QPSK	1	0	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	66	20	2155	66886	24.63	24.67				
5	10	844	20600	QPSK	1	0	48	20	3625	55990	48	5	3697.5	56715	48	20	3685.8	56598	66	20	2155	66886	24.64	24.67				
5	10	844	20600	QPSK	1	0	48	20	3625	55990	48	20	3644.8	56188	48	5	3552.5	55265	48	20	3564.2	55382	24.57	24.67				
5	10	844	20600	QPSK	1	0	48	20	3625	55990	48	20	3644.8	56188	48	20	3664.6	56386	48	20	3684.4	56584	24.62	24.67				
5	10	844	20600	QPSK	1	0	5	5	881.8	2528	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	24.67	24.67				
7	20	2535	20850	QPSK	1	99	7	20	2674.8	3048	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	24.61	24.62				
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	24.66	24.66				
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	24.59	24.66				
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	24.57	24.66				
13	10	782	23230	QPSK	1	25	48	20	3625	55990	48	20	3644.8	56188	48	5	3552.5	55265	48	20	3564.2	55382	24.63	24.66				
13	10	782	23230	QPSK	1	25	48	20	3625	55990	48	20	3644.8	56188	66	15	2155	66886	66	5	2174.8	67084	24.64	24.66				
13	10	782	23230	QPSK	1	25	48	20	3625	55990	48	20	3644.8	56188	66	20	2155	66886	66	20	2174.8	67084	24.56	24.66				
13	10	782	23230	QPSK	1	25	48	20	3625	55990	48	20	3644.8	56188	48	20	3664.6	56386	66	20	2155	66886	24.56	24.66				
66	20	1720	132072	QPSK	1	0	46	20	5537.5	50665	46	10	5920	54490	46	20	5900.2	54292	46	20	5880.4	54094	24.54					



	48	20	3690	56640	QPSK	1	49	48	5	3552.5	55265	48	20	3564.2	55148	66	15	2155	66886	66	5	2174.8	67084	22.44	22.52	
	48	20	3690	56640	QPSK	1	49	48	5	3552.5	55265	48	20	3564.2	55148	66	20	2155	66886	66	20	2174.8	67084	22.48	22.52	
	48	20	3690	56640	QPSK	1	49	48	5	3552.5	55265	48	20	3564.2	55148	48	20	3584	55346	66	20	2155	66886	22.48	22.52	
	48	20	3690	56640	QPSK	1	49	48	20	3670.2	56442	48	5	3552.5	55265	48	20	3564.2	55148	66	20	2155	66886	22.43	22.52	
	48	20	3690	56640	QPSK	1	49	48	20	3670.2	56442	66	20	2155	66886	66	5	2197.5	67311	66	20	2120	66536	22.43	22.52	
	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	24.33	24.41	
	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	24.41	24.41	
	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	24.37	24.41	
	66	20	1720	132072	QPSK	1	0	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	66	20	2155	66886	24.54	24.61	
	66	20	1720	132072	QPSK	1	0	46	20	5537.5	50665	46	20	5557.3	50863	46	20	5577.1	51061	66	20	5579.08	51259	24.54	24.61	
48	20	3690	56640	QPSK	1	49	48	20	3670.2	56442	48	20	3650.4	56244	48	20	3630.6	56046	66	20	2155	66886	22.46	22.52		
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	24.32	24.37
		48	20	3690	56640	QPSK	1	49	48	20	3670.2	56442	48	5	3552.5	55265	48	20	3564.2	55148	48	20	3584	55346	22.49	22.52
	Contiguous	41	20	2680	41490	QPSK	1	99	41	20	2660.20	41292	41	20	2640.40	41094	41	20	2620.60	40896	41	20	2600.80	40698	24.37	24.37

<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 to 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 with 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 0A											
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	23.36	25	
20525	20426	QPSK	1	0	1	49	2	0	24.41	25	
20600	20501	QPSK	1	0	1	49	2	0	24.29	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	20.81	23	
20525	20426	QPSK	1	0	1	49	2	0	21.83	23	
20600	20501	QPSK	1	0	1	49	2	0	21.77	23	

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	24.37	24.8	
40185	39987	QPSK	1	0	1	99	2	0	24.58	24.8	
40620	40422	QPSK	1	0	1	99	2	0	24.43	24.8	
41055	40857	QPSK	1	0	1	99	2	0	24.41	24.8	
41490	41292	QPSK	1	0	1	99	2	0	24.13	24.8	



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	26.34	26.8
40185	39987	QPSK	1	0	1	99	2	0	26.49	26.8
40620	40422	QPSK	1	0	1	99	2	0	26.41	26.8
41055	40857	QPSK	1	0	1	99	2	0	26.38	26.8
41490	41292	QPSK	1	0	1	99	2	0	26.08	26.8

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	19.82	21.5
40185	39987	QPSK	1	0	1	99	2	0	20.03	21.5
40620	40422	QPSK	1	0	1	99	2	0	19.83	21.5
41055	40857	QPSK	1	0	1	99	2	0	19.91	21.5
41490	41292	QPSK	1	0	1	99	2	0	19.62	21.5

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	23.5
40185	39987	QPSK	1	0	1	99	2	0	21.91	23.5
40620	40422	QPSK	1	0	1	99	2	0	21.82	23.5
41055	40857	QPSK	1	0	1	99	2	0	21.78	23.5
41490	41292	QPSK	1	0	1	99	2	0	21.5	23.5

CA_48C_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				
55340	55538	QPSK	1	0	0	0	1	0	21.15	23
55830	55632	QPSK	1	0	1	99	2	0	22	23
56150	55952	QPSK	1	0	1	99	2	0	21.65	23
56640	56442	QPSK	1	0	1	99	2	0	21.99	23

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	24.33	24.75
132322	132229	QPSK	1	0	1	24	2	0	24.35	24.75
132597	132504	QPSK	1	0	1	24	2	0	24.21	24.75



CA_66C1_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	24.37	24.75
132322	132124	QPSK	1	0	1	99	2	0	24.29	24.75
132572	132374	QPSK	1	0	1	99	2	0	24.32	24.75

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	19.77	21
132322	132229	QPSK	1	0	1	24	2	0	19.82	21
132597	132504	QPSK	1	0	1	24	2	0	19.68	21

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	19.81	21
132322	132124	QPSK	1	0	1	99	2	0	19.79	21
132572	132374	QPSK	1	0	1	99	2	0	19.6	21

**<Body-worn>**

CA_5B_Ant 0a/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	23.36	25
20525	20426	QPSK	1	0	1	49	2	0	24.41	25
20600	20501	QPSK	1	0	1	49	2	0	24.29	25

CA_41C_Ant 1/0c										
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	24.37	24.8
40185	39987	QPSK	1	0	1	99	2	0	24.58	24.8
40620	40422	QPSK	1	0	1	99	2	0	24.43	24.8
41055	40857	QPSK	1	0	1	99	2	0	24.41	24.8
41490	41292	QPSK	1	0	1	99	2	0	24.13	24.8

CA_41C_HPUE										
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	26.34	26.8
40185	39987	QPSK	1	0	1	99	2	0	26.49	26.8
40620	40422	QPSK	1	0	1	99	2	0	26.41	26.8
41055	40857	QPSK	1	0	1	99	2	0	26.38	26.8
41490	41292	QPSK	1	0	1	99	2	0	26.08	26.8



CA_41C_Ant 0b										
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	19.73	21.5
40185	39987	QPSK	1	0	1	99	2	0	19.97	21.5
40620	40422	QPSK	1	0	1	99	2	0	19.83	21.5
41055	40857	QPSK	1	0	1	99	2	0	19.85	21.5
41490	41292	QPSK	1	0	1	99	2	0	19.58	21.5

CA_41C_HPUE										
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	23.5
40185	39987	QPSK	1	0	1	99	2	0	21.85	23.5
40620	40422	QPSK	1	0	1	99	2	0	21.82	23.5
41055	40857	QPSK	1	0	1	99	2	0	21.68	23.5
41490	41292	QPSK	1	0	1	99	2	0	21.5	23.5

CA_48C_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				
55340	55538	QPSK	1	0	0	0	1	0	21.15	23
55830	55632	QPSK	1	0	1	99	2	0	22	23
56150	55952	QPSK	1	0	1	99	2	0	21.65	23
56640	56442	QPSK	1	0	1	99	2	0	21.99	23

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	24.33	24.75
132322	132229	QPSK	1	0	1	24	2	0	24.35	24.75
132597	132504	QPSK	1	0	1	24	2	0	24.21	24.75

CA_66C1_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				
132072	132270	QPSK	1	0	0	0	1	0	24.37	24.75
132322	132124	QPSK	1	0	1	99	2	0	24.29	24.75
132572	132374	QPSK	1	0	1	99	2	0	24.32	24.75



**<Simultaneous Transmission is active>**

**<Head>**

CA_5B_Ant 0A										
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	23.36	25
20525	20426	QPSK	1	0	1	49	2	0	24.41	25
20600	20501	QPSK	1	0	1	49	2	0	24.29	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	20.81	22
20525	20426	QPSK	1	0	1	49	2	0	21.83	22
20600	20501	QPSK	1	0	1	49	2	0	21.77	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	24.37	24.8
40185	39987	QPSK	1	0	1	99	2	0	24.58	24.8
40620	40422	QPSK	1	0	1	99	2	0	24.43	24.8
41055	40857	QPSK	1	0	1	99	2	0	24.41	24.8
41490	41292	QPSK	1	0	1	99	2	0	24.13	24.8

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	26.34	26.8
40185	39987	QPSK	1	0	1	99	2	0	26.49	26.8
40620	40422	QPSK	1	0	1	99	2	0	26.41	26.8
41055	40857	QPSK	1	0	1	99	2	0	26.38	26.8
41490	41292	QPSK	1	0	1	99	2	0	26.08	26.8

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	19.82	20.5
40185	39987	QPSK	1	0	1	99	2	0	20.03	20.5
40620	40422	QPSK	1	0	1	99	2	0	19.83	20.5
41055	40857	QPSK	1	0	1	99	2	0	19.91	20.5
41490	41292	QPSK	1	0	1	99	2	0	19.62	20.5



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	22.5
40185	39987	QPSK	1	0	1	99	2	0	21.91	22.5
40620	40422	QPSK	1	0	1	99	2	0	21.82	22.5
41055	40857	QPSK	1	0	1	99	2	0	21.78	22.5
41490	41292	QPSK	1	0	1	99	2	0	21.5	22.5

CA_48C_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				
55340	55538	QPSK	1	0	0	0	1	0	21.15	23
55830	55632	QPSK	1	0	1	99	2	0	22.00	23
56150	55952	QPSK	1	0	1	99	2	0	21.65	23
56640	56442	QPSK	1	0	1	99	2	0	21.99	23

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	24.33	24.75
132322	132229	QPSK	1	0	1	24	2	0	24.35	24.75
132597	132504	QPSK	1	0	1	24	2	0	24.21	24.75

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	24.37	24.75
132322	132124	QPSK	1	0	1	99	2	0	24.29	24.75
132572	132374	QPSK	1	0	1	99	2	0	24.32	24.75

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	19.77	20
132322	132229	QPSK	1	0	1	24	2	0	19.82	20
132597	132504	QPSK	1	0	1	24	2	0	19.68	20

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	19.81	20
132322	132124	QPSK	1	0	1	99	2	0	19.79	20
132572	132374	QPSK	1	0	1	99	2	0	19.6	20



**<Hotspot / Body-worn>**

CA_5B_Ant 1/0a										
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	23.36	25
20525	20426	QPSK	1	0	1	49	2	0	24.41	25
20600	20501	QPSK	1	0	1	49	2	0	24.29	25

CA_41C_Ant 1/0c										
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	24.37	24.8
40185	39987	QPSK	1	0	1	99	2	0	24.58	24.8
40620	40422	QPSK	1	0	1	99	2	0	24.43	24.8
41055	40857	QPSK	1	0	1	99	2	0	24.41	24.8
41490	41292	QPSK	1	0	1	99	2	0	24.13	24.8

CA_41C_HPUE										
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	26.34	26.8
40185	39987	QPSK	1	0	1	99	2	0	26.49	26.8
40620	40422	QPSK	1	0	1	99	2	0	26.41	26.8
41055	40857	QPSK	1	0	1	99	2	0	26.38	26.8
41490	41292	QPSK	1	0	1	99	2	0	26.08	26.8

CA_41C_Ant 0b										
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	19.73	20.5
40185	39987	QPSK	1	0	1	99	2	0	19.97	20.5
40620	40422	QPSK	1	0	1	99	2	0	19.83	20.5
41055	40857	QPSK	1	0	1	99	2	0	19.85	20.5
41490	41292	QPSK	1	0	1	99	2	0	19.58	20.5

CA_41C_HPUE										
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	22.5
40185	39987	QPSK	1	0	1	99	2	0	21.85	22.5
40620	40422	QPSK	1	0	1	99	2	0	21.82	22.5
41055	40857	QPSK	1	0	1	99	2	0	21.68	22.5
41490	41292	QPSK	1	0	1	99	2	0	21.50	22.5





CA_48C_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				
55340	55538	QPSK	1	0	0	0	1	0	21.15	23
55830	55632	QPSK	1	0	1	99	2	0	22.00	23
56150	55952	QPSK	1	0	1	99	2	0	21.65	23
56640	56442	QPSK	1	0	1	99	2	0	21.99	23

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	24.33	24.75
132322	132229	QPSK	1	0	1	24	2	0	24.35	24.75
132597	132504	QPSK	1	0	1	24	2	0	24.21	24.75

CA_66C1_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				
132072	132270	QPSK	1	0	0	0	1	0	24.37	24.75
132322	132124	QPSK	1	0	1	99	2	0	24.29	24.75
132572	132374	QPSK	1	0	1	99	2	0	24.32	24.75

**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 0a	≤ 25mm	≤ 25mm	>25mm	≤ 25mm	≤ 25mm	≤ 25mm
WWAN Ant 0c	≤ 25mm	≤ 25mm	>25mm	≤ 25mm	≤ 25mm	≤ 25mm
WWAN Ant 1	≤ 25mm	≤ 25mm	≤ 25mm	>25mm	≤ 25mm	≤ 25mm
2.4GHz/5GHz WLAN/BT Ant 2	≤ 25mm	≤ 25mm	≤ 25mm	>25mm	>25mm	≤ 25mm
2.4GHz WLAN Ant 3	≤ 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 0a	Yes	Yes	No	Yes	Yes	Yes
WWAN Ant 0c	Yes	Yes	No	Yes	Yes	Yes
WWAN Ant 1	Yes	Yes	Yes	No	Yes	Yes
2.4GHz/5GHz WLAN/BT Ant 2	Yes	Yes	Yes	No	No	Yes
2.4GHz WLAN Ant 3	Yes	Yes	Yes	No	Yes	No
5GHz WLAN Ant 5	Yes	Yes	Yes	No	No	Yes

**General Note:**

1. 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
2. The detail antenna location refers to operational 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 447498 D01v06, for each exposure position, testing of other required channels within the operating mode of a frequency band is not required when the *reported* 1-g or 10-g SAR for the mid-band or highest output power channel is:
  - $\leq 0.8$  W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is  $\leq 100$  MHz
  - $\leq 0.6$  W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz
  - $\leq 0.4$  W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is  $\geq 200$  MHz
3. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is  $\geq 0.8$ W/kg.
4. Pre 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.

### 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  $\leq 1/4$  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  $\leq 1/4$  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  $\leq 1.2$  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  $1/4$  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  $\leq 0.8$  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  $\leq 1.45$  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  $\leq 1.45$  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  $\leq 1.2$  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  $\leq 1.2$  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  $\leq 0.8$  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  $\leq 1.2$  W/kg or all required channels are tested.
5. 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.
6. 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 0A	GPRS (4 Tx slots)	Right Cheek	0mm	251	848.8	29.00	30.50	1.122	-0.17	0.231	0.259
	GSM850_Ant 0A	GPRS (4 Tx slots)	Right Tilted	0mm	251	848.8	29.00	30.50	1.413	-0.02	0.142	0.201
	GSM850_Ant 0A	GPRS (4 Tx slots)	Left Cheek	0mm	251	848.8	29.00	30.50	1.413	0.01	0.314	0.444
	GSM850_Ant 0A	GPRS (4 Tx slots)	Left Cheek	0mm	128	824.2	28.95	30.50	1.429	0	0.386	0.552
	GSM850_Ant 0A	GPRS (4 Tx slots)	Left Cheek	0mm	189	836.4	28.92	30.50	1.439	0.16	0.418	0.601
	GSM850_Ant 0A	GPRS (4 Tx slots)	Left Tilted	0mm	251	848.8	29.00	30.50	1.413	0.13	0.150	0.212
	GSM850_Ant 1	GPRS (4 Tx slots)	Right Cheek	0mm	251	848.8	26.00	27.50	1.413	0.02	0.829	1.171
01	GSM850_Ant 1	GPRS (4 Tx slots)	Right Cheek	0mm	128	824.2	25.90	27.50	1.445	-0.05	0.818	1.182
	GSM850_Ant 1	GPRS (4 Tx slots)	Right Cheek	0mm	189	836.4	25.90	27.50	1.445	-0.12	0.756	1.093
	GSM850_Ant 1	GPRS (4 Tx slots)	Right Tilted	0mm	251	848.8	26.00	27.50	1.413	-0.04	0.561	0.792
	GSM850_Ant 1	GPRS (4 Tx slots)	Left Cheek	0mm	251	848.8	26.00	27.50	1.413	0.19	0.477	0.674
	GSM850_Ant 1	GPRS (4 Tx slots)	Left Tilted	0mm	251	848.8	26.00	27.50	1.413	-0.13	0.482	0.681
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 0A	GPRS (4 Tx slots)	Right Cheek	0mm	251	848.8	29.00	30.50	1.122	-0.17	0.231	0.259
	GSM850_Ant 0A	GPRS (4 Tx slots)	Right Tilted	0mm	251	848.8	29.00	30.50	1.413	-0.02	0.142	0.201
	GSM850_Ant 0A	GPRS (4 Tx slots)	Left Cheek	0mm	251	848.8	29.00	30.50	1.413	0.01	0.314	0.444
	GSM850_Ant 0A	GPRS (4 Tx slots)	Left Cheek	0mm	128	824.2	28.95	30.50	1.429	0	0.386	0.552
	GSM850_Ant 0A	GPRS (4 Tx slots)	Left Cheek	0mm	189	836.4	28.92	30.50	1.439	0.16	0.418	0.601
	GSM850_Ant 0A	GPRS (4 Tx slots)	Left Tilted	0mm	251	848.8	29.00	30.50	1.413	0.13	0.150	0.212
	GSM850_Ant 1	GPRS (4 Tx slots)	Right Cheek	0mm	251	848.8	26.00	26.50	1.122	0.02	0.829	0.930
	GSM850_Ant 1	GPRS (4 Tx slots)	Right Cheek	0mm	128	824.2	25.90	26.50	1.148	-0.05	0.818	0.939
	GSM850_Ant 1	GPRS (4 Tx slots)	Right Cheek	0mm	189	836.4	25.90	26.50	1.148	-0.12	0.756	0.868
	GSM850_Ant 1	GPRS (4 Tx slots)	Right Tilted	0mm	251	848.8	26.00	26.50	1.122	-0.04	0.561	0.629
	GSM850_Ant 1	GPRS (4 Tx slots)	Left Cheek	0mm	251	848.8	26.00	26.50	1.122	0.19	0.477	0.535
	GSM850_Ant 1	GPRS (4 Tx slots)	Left Tilted	0mm	251	848.8	26.00	26.50	1.122	-0.13	0.482	0.541



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 0b	GPRS (4 Tx slots)	Right Cheek	0mm	810	1909.8	26.46	28.00	1.426	-0.12	0.311	0.443
	GSM1900_Ant 0b	GPRS (4 Tx slots)	Right Cheek	0mm	512	1850.2	26.45	28.00	1.429	-0.05	0.231	0.330
	GSM1900_Ant 0b	GPRS (4 Tx slots)	Right Cheek	0mm	661	1880	26.38	28.00	1.452	-0.05	0.310	0.450
	GSM1900_Ant 0b	GPRS (4 Tx slots)	Right Tilted	0mm	810	1909.8	26.46	28.00	1.426	-0.13	0.110	0.157
	GSM1900_Ant 0b	GPRS (4 Tx slots)	Left Cheek	0mm	810	1909.8	26.46	28.00	1.426	-0.19	0.205	0.292
	GSM1900_Ant 0b	GPRS (4 Tx slots)	Left Tilted	0mm	810	1909.8	26.46	28.00	1.426	-0.09	0.141	0.201
	GSM1900_Ant 0c	GPRS (4 Tx slots)	Right Cheek	0mm	810	1909.8	26.46	28.00	1.426	0.07	0.133	0.190
	GSM1900_Ant 0c	GPRS (4 Tx slots)	Right Tilted	0mm	810	1909.8	26.46	28.00	1.426	-0.01	0.081	0.115
	GSM1900_Ant 0c	GPRS (4 Tx slots)	Left Cheek	0mm	810	1909.8	26.46	28.00	1.426	-0.19	0.248	0.354
	GSM1900_Ant 0c	GPRS (4 Tx slots)	Left Cheek	0mm	512	1850.2	26.45	28.00	1.429	-0.03	0.184	0.263
	GSM1900_Ant 0c	GPRS (4 Tx slots)	Left Cheek	0mm	661	1880	26.38	28.00	1.452	-0.06	0.240	0.349
	GSM1900_Ant 0c	GPRS (4 Tx slots)	Left Tilted	0mm	810	1909.8	26.46	28.00	1.426	-0.17	0.127	0.181
	GSM1900_Ant 1	GPRS (4 Tx slots)	Right Cheek	0mm	810	1909.8	22.06	23.50	1.393	0.17	0.766	1.067
	GSM1900_Ant 1	GPRS (4 Tx slots)	Right Cheek	0mm	512	1850.2	21.90	23.50	1.445	0.02	0.701	1.013
	GSM1900_Ant 1	GPRS (4 Tx slots)	Right Cheek	0mm	661	1880	22.05	23.50	1.396	0.03	0.735	1.026
02	GSM1900_Ant 1	GPRS (4 Tx slots)	Right Tilted	0mm	810	1909.8	22.06	23.50	1.393	0.15	0.807	1.124
	GSM1900_Ant 1	GPRS (4 Tx slots)	Right Tilted	0mm	512	1850.2	21.90	23.50	1.445	0.12	0.713	1.031
	GSM1900_Ant 1	GPRS (4 Tx slots)	Right Tilted	0mm	661	1880	22.05	23.50	1.396	0.11	0.738	1.031
	GSM1900_Ant 1	GPRS (4 Tx slots)	Left Cheek	0mm	810	1909.8	22.06	23.50	1.393	-0.02	0.272	0.379
	GSM1900_Ant 1	GPRS (4 Tx slots)	Left Tilted	0mm	810	1909.8	22.06	23.50	1.393	-0.02	0.388	0.541
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 0b	GPRS (4 Tx slots)	Right Cheek	0mm	810	1909.8	26.46	28.00	1.426	-0.12	0.311	0.443
	GSM1900_Ant 0b	GPRS (4 Tx slots)	Right Cheek	0mm	512	1850.2	26.45	28.00	1.429	-0.05	0.231	0.330
	GSM1900_Ant 0b	GPRS (4 Tx slots)	Right Cheek	0mm	661	1880	26.38	28.00	1.452	-0.05	0.310	0.450
	GSM1900_Ant 0b	GPRS (4 Tx slots)	Right Tilted	0mm	810	1909.8	26.46	28.00	1.426	-0.13	0.110	0.157
	GSM1900_Ant 0b	GPRS (4 Tx slots)	Left Cheek	0mm	810	1909.8	26.46	28.00	1.426	-0.19	0.205	0.292
	GSM1900_Ant 0b	GPRS (4 Tx slots)	Left Tilted	0mm	810	1909.8	26.46	28.00	1.426	-0.09	0.141	0.201
	GSM1900_Ant 0c	GPRS (4 Tx slots)	Right Cheek	0mm	810	1909.8	26.46	28.00	1.426	0.07	0.133	0.190
	GSM1900_Ant 0c	GPRS (4 Tx slots)	Right Tilted	0mm	810	1909.8	26.46	28.00	1.426	-0.01	0.081	0.115
	GSM1900_Ant 0c	GPRS (4 Tx slots)	Left Cheek	0mm	810	1909.8	26.46	28.00	1.426	-0.19	0.248	0.354
	GSM1900_Ant 0c	GPRS (4 Tx slots)	Left Cheek	0mm	512	1850.2	26.45	28.00	1.429	-0.03	0.184	0.263
	GSM1900_Ant 0c	GPRS (4 Tx slots)	Left Cheek	0mm	661	1880	26.38	28.00	1.452	-0.06	0.240	0.349
	GSM1900_Ant 0c	GPRS (4 Tx slots)	Left Tilted	0mm	810	1909.8	26.46	28.00	1.426	-0.17	0.127	0.181
	GSM1900_Ant 1	GPRS (4 Tx slots)	Right Cheek	0mm	810	1909.8	22.06	22.50	1.107	0.17	0.766	0.848
	GSM1900_Ant 1	GPRS (4 Tx slots)	Right Cheek	0mm	512	1850.2	21.90	22.50	1.148	0.02	0.701	0.805
	GSM1900_Ant 1	GPRS (4 Tx slots)	Right Cheek	0mm	661	1880	22.05	22.50	1.109	0.03	0.735	0.815
	GSM1900_Ant 1	GPRS (4 Tx slots)	Right Tilted	0mm	810	1909.8	22.06	22.50	1.107	0.15	0.807	0.893
	GSM1900_Ant 1	GPRS (4 Tx slots)	Right Tilted	0mm	512	1850.2	21.90	22.50	1.148	0.12	0.713	0.819
	GSM1900_Ant 1	GPRS (4 Tx slots)	Right Tilted	0mm	661	1880	22.05	22.50	1.109	0.11	0.738	0.819
	GSM1900_Ant 1	GPRS (4 Tx slots)	Left Cheek	0mm	810	1909.8	22.06	22.50	1.107	-0.02	0.272	0.301
	GSM1900_Ant 1	GPRS (4 Tx slots)	Left Tilted	0mm	810	1909.8	22.06	22.50	1.107	-0.02	0.388	0.429



<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 0b	RMC 12.2Kbps	Right Cheek	0mm	9400	1880	24.75	24.75	1.000	-0.02	0.458	0.458
	WCDMA II_Ant 0b	RMC 12.2Kbps	Right Cheek	0mm	9262	1852.4	24.71	24.75	1.009	0.03	0.364	0.367
	WCDMA II_Ant 0b	RMC 12.2Kbps	Right Cheek	0mm	9538	1907.6	24.74	24.75	1.002	0	0.487	0.488
	WCDMA II_Ant 0b	RMC 12.2Kbps	Right Tilted	0mm	9400	1880	24.75	24.75	1.000	-0.03	0.177	0.177
	WCDMA II_Ant 0b	RMC 12.2Kbps	Left Cheek	0mm	9400	1880	24.75	24.75	1.000	0.1	0.312	0.312
	WCDMA II_Ant 0b	RMC 12.2Kbps	Left Tilted	0mm	9400	1880	24.75	24.75	1.000	-0.07	0.189	0.189
	WCDMA II_Ant 0c	RMC 12.2Kbps	Right Cheek	0mm	9400	1880	24.75	24.75	1.000	0.1	0.150	0.150
	WCDMA II_Ant 0c	RMC 12.2Kbps	Right Tilted	0mm	9400	1880	24.75	24.75	1.000	-0.05	0.114	0.114
	WCDMA II_Ant 0c	RMC 12.2Kbps	Left Cheek	0mm	9400	1880	24.75	24.75	1.000	-0.07	0.278	0.278
	WCDMA II_Ant 0c	RMC 12.2Kbps	Left Cheek	0mm	9262	1852.4	24.71	24.75	1.009	-0.03	0.222	0.224
	WCDMA II_Ant 0c	RMC 12.2Kbps	Left Cheek	0mm	9538	1907.6	24.74	24.75	1.002	-0.02	0.327	0.328
	WCDMA II_Ant 0c	RMC 12.2Kbps	Left Tilted	0mm	9400	1880	24.75	24.75	1.000	-0.11	0.163	0.163
	WCDMA II_Ant 1	RMC 12.2Kbps	Right Cheek	0mm	9538	1907.6	19.10	20.50	1.380	-0.09	0.767	1.059
	WCDMA II_Ant 1	RMC 12.2Kbps	Right Cheek	0mm	9262	1852.4	18.96	20.50	1.426	-0.07	0.718	1.024
	WCDMA II_Ant 1	RMC 12.2Kbps	Right Cheek	0mm	9400	1880	19.06	20.50	1.393	0.08	0.769	1.071
	WCDMA II_Ant 1	RMC 12.2Kbps	Right Tilted	0mm	9538	1907.6	19.10	20.50	1.380	0.17	0.831	1.147
	WCDMA II_Ant 1	RMC 12.2Kbps	Right Tilted	0mm	9262	1852.4	18.96	20.50	1.426	-0.04	0.812	1.158
03	WCDMA II_Ant 1	RMC 12.2Kbps	Right Tilted	0mm	9400	1880	19.06	20.50	1.393	-0.09	0.847	1.180
	WCDMA II_Ant 1	RMC 12.2Kbps	Left Cheek	0mm	9538	1907.6	19.10	20.50	1.380	0.05	0.244	0.337
	WCDMA II_Ant 1	RMC 12.2Kbps	Left Tilted	0mm	9538	1907.6	19.10	20.50	1.380	0.04	0.363	0.501
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 0b	RMC 12.2Kbps	Right Cheek	0mm	9400	1880	24.75	24.75	1.000	-0.02	0.458	0.458
	WCDMA II_Ant 0b	RMC 12.2Kbps	Right Cheek	0mm	9262	1852.4	24.71	24.75	1.009	0.03	0.364	0.367
	WCDMA II_Ant 0b	RMC 12.2Kbps	Right Cheek	0mm	9538	1907.6	24.74	24.75	1.002	0	0.487	0.488
	WCDMA II_Ant 0b	RMC 12.2Kbps	Right Tilted	0mm	9400	1880	24.75	24.75	1.000	-0.03	0.177	0.177
	WCDMA II_Ant 0b	RMC 12.2Kbps	Left Cheek	0mm	9400	1880	24.75	24.75	1.000	0.1	0.312	0.312
	WCDMA II_Ant 0b	RMC 12.2Kbps	Left Tilted	0mm	9400	1880	24.75	24.75	1.000	-0.07	0.189	0.189
	WCDMA II_Ant 0c	RMC 12.2Kbps	Right Cheek	0mm	9400	1880	24.75	24.75	1.000	0.1	0.150	0.150
	WCDMA II_Ant 0c	RMC 12.2Kbps	Right Tilted	0mm	9400	1880	24.75	24.75	1.000	-0.05	0.114	0.114
	WCDMA II_Ant 0c	RMC 12.2Kbps	Left Cheek	0mm	9400	1880	24.75	24.75	1.000	-0.07	0.278	0.278
	WCDMA II_Ant 0c	RMC 12.2Kbps	Left Cheek	0mm	9262	1852.4	24.71	24.75	1.009	-0.03	0.222	0.224
	WCDMA II_Ant 0c	RMC 12.2Kbps	Left Cheek	0mm	9538	1907.6	24.74	24.75	1.002	-0.02	0.327	0.328
	WCDMA II_Ant 0c	RMC 12.2Kbps	Left Tilted	0mm	9400	1880	24.75	24.75	1.000	-0.11	0.163	0.163
	WCDMA II_Ant 1	RMC 12.2Kbps	Right Cheek	0mm	9538	1907.6	19.10	19.50	1.096	-0.09	0.767	0.841
	WCDMA II_Ant 1	RMC 12.2Kbps	Right Cheek	0mm	9262	1852.4	18.96	19.50	1.132	-0.07	0.718	0.813
	WCDMA II_Ant 1	RMC 12.2Kbps	Right Cheek	0mm	9400	1880	19.06	19.50	1.107	0.08	0.769	0.851
	WCDMA II_Ant 1	RMC 12.2Kbps	Right Tilted	0mm	9538	1907.6	19.10	19.50	1.096	0.17	0.831	0.911
	WCDMA II_Ant 1	RMC 12.2Kbps	Right Tilted	0mm	9262	1852.4	18.96	19.50	1.132	-0.04	0.812	0.920
	WCDMA II_Ant 1	RMC 12.2Kbps	Right Tilted	0mm	9400	1880	19.06	19.50	1.107	-0.09	0.847	0.937
	WCDMA II_Ant 1	RMC 12.2Kbps	Left Cheek	0mm	9538	1907.6	19.10	19.50	1.096	0.05	0.244	0.268
	WCDMA II_Ant 1	RMC 12.2Kbps	Left Tilted	0mm	9538	1907.6	19.10	19.50	1.096	0.04	0.363	0.398



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 0b	RMC 12.2Kbps	Right Cheek	0mm	1312	1712.4	24.73	24.75	1.005	-0.02	0.262	0.263
	WCDMA IV_Ant 0b	RMC 12.2Kbps	Right Tilted	0mm	1312	1712.4	24.73	24.75	1.005	-0.14	0.147	0.148
	WCDMA IV_Ant 0b	RMC 12.2Kbps	Left Cheek	0mm	1312	1712.4	24.73	24.75	1.005	0	0.280	0.281
	WCDMA IV_Ant 0b	RMC 12.2Kbps	Left Cheek	0mm	1413	1732.6	24.71	24.75	1.009	-0.11	0.345	0.348
	WCDMA IV_Ant 0b	RMC 12.2Kbps	Left Cheek	0mm	1513	1752.6	24.70	24.75	1.012	-0.01	0.359	0.363
	WCDMA IV_Ant 0b	RMC 12.2Kbps	Left Tilted	0mm	1312	1712.4	24.73	24.75	1.005	-0.03	0.158	0.159
	WCDMA IV_Ant 0c	RMC 12.2Kbps	Right Cheek	0mm	1312	1712.4	24.73	24.75	1.005	0.07	0.044	0.044
	WCDMA IV_Ant 0c	RMC 12.2Kbps	Right Tilted	0mm	1312	1712.4	24.73	24.75	1.005	-0.01	0.037	0.037
	WCDMA IV_Ant 0c	RMC 12.2Kbps	Left Cheek	0mm	1312	1712.4	24.73	24.75	1.005	0.02	0.078	0.078
	WCDMA IV_Ant 0c	RMC 12.2Kbps	Left Cheek	0mm	1413	1732.6	24.71	24.75	1.009	0.03	0.219	0.221
	WCDMA IV_Ant 0c	RMC 12.2Kbps	Left Cheek	0mm	1513	1752.6	24.70	24.75	1.012	-0.01	0.200	0.202
	WCDMA IV_Ant 0c	RMC 12.2Kbps	Left Tilted	0mm	1312	1712.4	24.73	24.75	1.005	-0.13	0.055	0.055
	WCDMA IV_Ant 1	RMC 12.2Kbps	Right Cheek	0mm	1513	1752.6	20.05	21.50	1.396	0.14	0.734	1.025
	WCDMA IV_Ant 1	RMC 12.2Kbps	Right Cheek	0mm	1312	1712.4	20.02	21.50	1.406	0.04	0.574	0.807
	WCDMA IV_Ant 1	RMC 12.2Kbps	Right Cheek	0mm	1413	1732.6	20.04	21.50	1.400	0.08	0.604	0.845
04	WCDMA IV_Ant 1	RMC 12.2Kbps	Right Tilted	0mm	1513	1752.6	20.05	21.50	1.396	0.14	0.841	1.174
	WCDMA IV_Ant 1	RMC 12.2Kbps	Right Tilted	0mm	1312	1712.4	20.02	21.50	1.406	0.16	0.654	0.920
	WCDMA IV_Ant 1	RMC 12.2Kbps	Right Tilted	0mm	1413	1732.6	20.04	21.50	1.400	0.15	0.696	0.974
	WCDMA IV_Ant 1	RMC 12.2Kbps	Left Cheek	0mm	1513	1752.6	20.05	21.50	1.396	-0.14	0.236	0.330
	WCDMA IV_Ant 1	RMC 12.2Kbps	Left Tilted	0mm	1513	1752.6	20.05	21.50	1.396	0.1	0.392	0.547
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 0b	RMC 12.2Kbps	Right Cheek	0mm	1312	1712.4	24.73	24.75	1.005	-0.02	0.262	0.263
	WCDMA IV_Ant 0b	RMC 12.2Kbps	Right Tilted	0mm	1312	1712.4	24.73	24.75	1.005	-0.14	0.147	0.148
	WCDMA IV_Ant 0b	RMC 12.2Kbps	Left Cheek	0mm	1312	1712.4	24.73	24.75	1.005	0	0.280	0.281
	WCDMA IV_Ant 0b	RMC 12.2Kbps	Left Cheek	0mm	1413	1732.6	24.71	24.75	1.009	-0.11	0.345	0.348
	WCDMA IV_Ant 0b	RMC 12.2Kbps	Left Cheek	0mm	1513	1752.6	24.70	24.75	1.012	-0.01	0.359	0.363
	WCDMA IV_Ant 0b	RMC 12.2Kbps	Left Tilted	0mm	1312	1712.4	24.73	24.75	1.005	-0.03	0.158	0.159
	WCDMA IV_Ant 0c	RMC 12.2Kbps	Right Cheek	0mm	1312	1712.4	24.73	24.75	1.005	0.07	0.044	0.044
	WCDMA IV_Ant 0c	RMC 12.2Kbps	Right Tilted	0mm	1312	1712.4	24.73	24.75	1.005	-0.01	0.037	0.037
	WCDMA IV_Ant 0c	RMC 12.2Kbps	Left Cheek	0mm	1312	1712.4	24.73	24.75	1.005	0.02	0.078	0.078
	WCDMA IV_Ant 0c	RMC 12.2Kbps	Left Cheek	0mm	1413	1732.6	24.71	24.75	1.009	0.03	0.219	0.221
	WCDMA IV_Ant 0c	RMC 12.2Kbps	Left Cheek	0mm	1513	1752.6	24.70	24.75	1.012	-0.01	0.200	0.202
	WCDMA IV_Ant 0c	RMC 12.2Kbps	Left Tilted	0mm	1312	1712.4	24.73	24.75	1.005	-0.13	0.055	0.055
	WCDMA IV_Ant 1	RMC 12.2Kbps	Right Cheek	0mm	1513	1752.6	20.05	20.50	1.109	0.14	0.734	0.814
	WCDMA IV_Ant 1	RMC 12.2Kbps	Right Cheek	0mm	1312	1712.4	20.02	20.50	1.117	0.04	0.574	0.641
	WCDMA IV_Ant 1	RMC 12.2Kbps	Right Cheek	0mm	1413	1732.6	20.04	20.50	1.112	0.08	0.604	0.671
	WCDMA IV_Ant 1	RMC 12.2Kbps	Right Tilted	0mm	1513	1752.6	20.05	20.50	1.109	0.14	0.841	0.933
	WCDMA IV_Ant 1	RMC 12.2Kbps	Right Tilted	0mm	1312	1712.4	20.02	20.50	1.117	0.16	0.654	0.730
	WCDMA IV_Ant 1	RMC 12.2Kbps	Right Tilted	0mm	1413	1732.6	20.04	20.50	1.112	0.15	0.696	0.774
	WCDMA IV_Ant 1	RMC 12.2Kbps	Left Cheek	0mm	1513	1752.6	20.05	20.50	1.109	-0.14	0.236	0.262
	WCDMA IV_Ant 1	RMC 12.2Kbps	Left Tilted	0mm	1513	1752.6	20.05	20.50	1.109	0.1	0.392	0.435





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 0A	RMC 12.2Kbps	Right Cheek	0mm	4182	836.4	24.99	25.00	1.002	-0.02	0.334	0.335
	WCDMA V_Ant 0A	RMC 12.2Kbps	Right Tilted	0mm	4182	836.4	24.99	25.00	1.002	-0.02	0.216	0.216
	WCDMA V_Ant 0A	RMC 12.2Kbps	Left Cheek	0mm	4182	836.4	24.99	25.00	1.002	0	0.424	0.425
	WCDMA V_Ant 0A	RMC 12.2Kbps	Left Cheek	0mm	4132	826.4	24.94	25.00	1.014	0.01	0.394	0.399
	WCDMA V_Ant 0A	RMC 12.2Kbps	Left Cheek	0mm	4233	846.6	24.53	25.00	1.114	0.04	0.318	0.354
	WCDMA V_Ant 0A	RMC 12.2Kbps	Left Tilted	0mm	4182	836.4	24.99	25.00	1.002	-0.03	0.218	0.219
	WCDMA V_Ant 1	RMC 12.2Kbps	Right Cheek	0mm	4182	836.4	21.99	23.00	1.262	0	0.883	1.114
	WCDMA V_Ant 1	RMC 12.2Kbps	Right Cheek	0mm	4132	826.4	21.90	23.00	1.288	0.02	0.800	1.031
05	WCDMA V_Ant 1	RMC 12.2Kbps	Right Cheek	0mm	4233	846.6	21.98	23.00	1.265	0.04	0.891	1.127
	WCDMA V_Ant 1	RMC 12.2Kbps	Right Tilted	0mm	4182	836.4	21.99	23.00	1.262	-0.03	0.669	0.844
	WCDMA V_Ant 1	RMC 12.2Kbps	Right Tilted	0mm	4132	826.4	21.90	23.00	1.288	-0.17	0.635	0.818
	WCDMA V_Ant 1	RMC 12.2Kbps	Right Tilted	0mm	4233	846.6	21.98	23.00	1.265	-0.01	0.676	0.855
	WCDMA V_Ant 1	RMC 12.2Kbps	Left Cheek	0mm	4182	836.4	21.98	23.00	1.265	-0.03	0.581	0.735
	WCDMA V_Ant 1	RMC 12.2Kbps	Left Tilted	0mm	4182	836.4	21.98	23.00	1.265	-0.04	0.533	0.674
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 0A	RMC 12.2Kbps	Right Cheek	0mm	4182	836.4	24.99	25.00	1.002	-0.02	0.334	0.335
	WCDMA V_Ant 0A	RMC 12.2Kbps	Right Tilted	0mm	4182	836.4	24.99	25.00	1.002	-0.02	0.216	0.216
	WCDMA V_Ant 0A	RMC 12.2Kbps	Left Cheek	0mm	4182	836.4	24.99	25.00	1.002	0	0.424	0.425
	WCDMA V_Ant 0A	RMC 12.2Kbps	Left Cheek	0mm	4132	826.4	24.94	25.00	1.014	0.01	0.394	0.399
	WCDMA V_Ant 0A	RMC 12.2Kbps	Left Cheek	0mm	4233	846.6	24.53	25.00	1.114	0.04	0.318	0.354
	WCDMA V_Ant 0A	RMC 12.2Kbps	Left Tilted	0mm	4182	836.4	24.99	25.00	1.002	-0.03	0.218	0.219
	WCDMA V_Ant 1	RMC 12.2Kbps	Right Cheek	0mm	4182	836.4	21.99	22.00	1.002	0	0.883	0.885
	WCDMA V_Ant 1	RMC 12.2Kbps	Right Cheek	0mm	4132	826.4	21.90	22.00	1.023	0.02	0.800	0.819
	WCDMA V_Ant 1	RMC 12.2Kbps	Right Cheek	0mm	4233	846.6	21.98	22.00	1.005	0.04	0.891	0.895
	WCDMA V_Ant 1	RMC 12.2Kbps	Right Tilted	0mm	4182	836.4	21.99	22.00	1.002	-0.03	0.669	0.671
	WCDMA V_Ant 1	RMC 12.2Kbps	Right Tilted	0mm	4132	826.4	21.90	22.00	1.023	-0.17	0.635	0.650
	WCDMA V_Ant 1	RMC 12.2Kbps	Right Tilted	0mm	4233	846.6	21.98	22.00	1.005	-0.01	0.676	0.679
	WCDMA V_Ant 1	RMC 12.2Kbps	Left Cheek	0mm	4182	836.4	21.98	22.00	1.005	-0.03	0.581	0.584
	WCDMA V_Ant 1	RMC 12.2Kbps	Left Tilted	0mm	4182	836.4	21.98	22.00	1.005	-0.04	0.533	0.535



<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 0A	1xRTT RC3 SO55	Right Cheek	0mm	1013	824.7	24.95	25.00	1.012	-0.12	0.296	0.299
	CDMA BC0_Ant 0A	1xRTT RC3 SO55	Right Tilted	0mm	1013	824.7	24.95	25.00	1.012	0.06	0.190	0.192
	CDMA BC0_Ant 0A	1xRTT RC3 SO55	Left Cheek	0mm	1013	824.7	24.95	25.00	1.012	-0.11	0.360	0.364
	CDMA BC0_Ant 0A	1xRTT RC3 SO55	Left Cheek	0mm	384	836.52	24.92	25.00	1.019	0.02	0.416	0.424
	CDMA BC0_Ant 0A	1xRTT RC3 SO55	Left Cheek	0mm	777	848.31	24.93	25.00	1.016	-0.02	0.331	0.336
	CDMA BC0_Ant 0A	1xRTT RC3 SO55	Left Tilted	0mm	1013	824.7	24.95	25.00	1.012	-0.07	0.186	0.188
	CDMA BC0_Ant 1	1xRTT RC3 SO55	Right Cheek	0mm	777	848.31	21.79	23.00	1.321	-0.01	0.827	1.093
06	CDMA BC0_Ant 1	1xRTT RC3 SO55	Right Cheek	0mm	384	836.52	21.55	23.00	1.396	0.01	0.799	1.116
	CDMA BC0_Ant 1	1xRTT RC3 SO55	Right Cheek	0mm	1013	824.7	21.76	23.00	1.330	0.02	0.727	0.967
	CDMA BC0_Ant 1	1xRTT RC3 SO55	Right Tilted	0mm	777	848.31	21.79	23.00	1.321	0	0.568	0.750
	CDMA BC0_Ant 1	1xRTT RC3 SO55	Left Cheek	0mm	777	848.31	21.79	23.00	1.321	-0.05	0.463	0.612
	CDMA BC0_Ant 1	1xRTT RC3 SO55	Left Tilted	0mm	777	848.31	21.79	23.00	1.321	-0.05	0.449	0.593
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 0A	1xRTT RC3 SO55	Right Cheek	0mm	1013	824.7	24.95	25.00	1.012	-0.12	0.296	0.299
	CDMA BC0_Ant 0A	1xRTT RC3 SO55	Right Tilted	0mm	1013	824.7	24.95	25.00	1.012	0.06	0.190	0.192
	CDMA BC0_Ant 0A	1xRTT RC3 SO55	Left Cheek	0mm	1013	824.7	24.95	25.00	1.012	-0.11	0.360	0.364
	CDMA BC0_Ant 0A	1xRTT RC3 SO55	Left Cheek	0mm	384	836.52	24.92	25.00	1.019	0.02	0.416	0.424
	CDMA BC0_Ant 0A	1xRTT RC3 SO55	Left Cheek	0mm	777	848.31	24.93	25.00	1.016	-0.02	0.331	0.336
	CDMA BC0_Ant 0A	1xRTT RC3 SO55	Left Tilted	0mm	1013	824.7	24.95	25.00	1.012	-0.07	0.186	0.188
	CDMA BC0_Ant 1	1xRTT RC3 SO55	Right Cheek	0mm	777	848.31	21.79	22.00	1.050	-0.01	0.827	0.868
	CDMA BC0_Ant 1	1xRTT RC3 SO55	Right Cheek	0mm	384	836.52	21.55	22.00	1.109	0.01	0.799	0.886
	CDMA BC0_Ant 1	1xRTT RC3 SO55	Right Cheek	0mm	1013	824.7	21.76	22.00	1.057	0.02	0.727	0.768
	CDMA BC0_Ant 1	1xRTT RC3 SO55	Right Tilted	0mm	777	848.31	21.79	22.00	1.050	0	0.568	0.596
	CDMA BC0_Ant 1	1xRTT RC3 SO55	Left Cheek	0mm	777	848.31	21.79	22.00	1.050	-0.05	0.463	0.486
	CDMA BC0_Ant 1	1xRTT RC3 SO55	Left Tilted	0mm	777	848.31	21.79	22.00	1.050	-0.05	0.449	0.471



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 0b	1xRTT RC3 SO55	Right Cheek	0mm	1175	1908.75	24.74	24.75	1.002	-0.13	0.360	0.361
	CDMA BC1_Ant 0b	1xRTT RC3 SO55	Right Cheek	0mm	25	1851.25	24.7	24.75	1.012	-0.02	0.318	0.322
	CDMA BC1_Ant 0b	1xRTT RC3 SO55	Right Cheek	0mm	600	1880	24.7	24.75	1.012	0.01	0.377	0.381
	CDMA BC1_Ant 0b	1xRTT RC3 SO55	Right Tilted	0mm	1175	1908.75	24.74	24.75	1.002	-0.18	0.160	0.160
	CDMA BC1_Ant 0b	1xRTT RC3 SO55	Left Cheek	0mm	1175	1908.75	24.74	24.75	1.002	-0.01	0.297	0.298
	CDMA BC1_Ant 0b	1xRTT RC3 SO55	Left Tilted	0mm	1175	1908.75	24.74	24.75	1.002	-0.09	0.181	0.181
	CDMA BC1_Ant 1	1xRTT RC3 SO55	Right Cheek	0mm	600	1880	19.17	20.50	1.358	0.18	0.745	1.012
	CDMA BC1_Ant 1	1xRTT RC3 SO55	Right Cheek	0mm	25	1851.25	19.14	20.50	1.368	0.11	0.706	0.966
	CDMA BC1_Ant 1	1xRTT RC3 SO55	Right Cheek	0mm	1175	1908.75	19.15	20.50	1.365	0.11	0.754	1.029
07	CDMA BC1_Ant 1	1xRTT RC3 SO55	Right Tilted	0mm	600	1880	19.17	20.50	1.358	0.05	0.820	1.114
	CDMA BC1_Ant 1	1xRTT RC3 SO55	Right Tilted	0mm	25	1851.25	19.14	20.50	1.368	-0.02	0.801	1.096
	CDMA BC1_Ant 1	1xRTT RC3 SO55	Right Tilted	0mm	1175	1908.75	19.15	20.50	1.365	-0.13	0.816	1.113
	CDMA BC1_Ant 1	1xRTT RC3 SO55	Left Cheek	0mm	600	1880	19.17	20.50	1.358	0.15	0.299	0.406
	CDMA BC1_Ant 1	1xRTT RC3 SO55	Left Tilted	0mm	600	1880	19.17	20.50	1.358	0.15	0.409	0.556
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 0b	1xRTT RC3 SO55	Right Cheek	0mm	1175	1908.75	24.74	24.75	1.002	-0.13	0.360	0.361
	CDMA BC1_Ant 0b	1xRTT RC3 SO55	Right Cheek	0mm	25	1851.25	24.7	24.75	1.012	-0.02	0.318	0.322
	CDMA BC1_Ant 0b	1xRTT RC3 SO55	Right Cheek	0mm	600	1880	24.7	24.75	1.012	0.01	0.377	0.381
	CDMA BC1_Ant 0b	1xRTT RC3 SO55	Right Tilted	0mm	1175	1908.75	24.74	24.75	1.002	-0.18	0.160	0.160
	CDMA BC1_Ant 0b	1xRTT RC3 SO55	Left Cheek	0mm	1175	1908.75	24.74	24.75	1.002	-0.01	0.297	0.298
	CDMA BC1_Ant 0b	1xRTT RC3 SO55	Left Tilted	0mm	1175	1908.75	24.74	24.75	1.002	-0.09	0.181	0.181
	CDMA BC1_Ant 1	1xRTT RC3 SO55	Right Cheek	0mm	600	1880	19.17	19.50	1.079	0.18	0.745	0.804
	CDMA BC1_Ant 1	1xRTT RC3 SO55	Right Cheek	0mm	25	1851.25	19.14	19.50	1.086	0.11	0.706	0.767
	CDMA BC1_Ant 1	1xRTT RC3 SO55	Right Cheek	0mm	1175	1908.75	19.15	19.50	1.084	0.11	0.754	0.817
	CDMA BC1_Ant 1	1xRTT RC3 SO55	Right Tilted	0mm	600	1880	19.17	19.50	1.079	0.05	0.820	0.885
	CDMA BC1_Ant 1	1xRTT RC3 SO55	Right Tilted	0mm	25	1851.25	19.14	19.50	1.086	-0.02	0.801	0.870
	CDMA BC1_Ant 1	1xRTT RC3 SO55	Right Tilted	0mm	1175	1908.75	19.15	19.50	1.084	-0.13	0.816	0.884
	CDMA BC1_Ant 1	1xRTT RC3 SO55	Left Cheek	0mm	600	1880	19.17	19.50	1.079	0.15	0.299	0.323
	CDMA BC1_Ant 1	1xRTT RC3 SO55	Left Tilted	0mm	600	1880	19.17	19.50	1.079	0.15	0.409	0.441



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 BC10_Ant 0A	1xRTT RC3 SO55	Right Cheek	0mm	580	820.5	24.92	25.00	1.019	-0.13	0.277	0.282
	CDMA BC10_Ant 0A	1xRTT RC3 SO55	Right Tilted	0mm	580	820.5	24.92	25.00	1.019	0.05	0.182	0.185
	CDMA BC10_Ant 0A	1xRTT RC3 SO55	Left Cheek	0mm	580	820.5	24.92	25.00	1.019	-0.03	0.351	0.358
	CDMA BC10_Ant 0A	1xRTT RC3 SO55	Left Tilted	0mm	580	820.5	24.92	25.00	1.019	-0.02	0.185	0.188
08	CDMA BC10_Ant 1	1xRTT RC3 SO55	Right Cheek	0mm	580	820.5	21.69	23.00	1.352	0.01	0.818	1.106
	CDMA BC10_Ant 1	1xRTT RC3 SO55	Right Tilted	0mm	580	820.5	21.69	23.00	1.352	-0.02	0.518	0.700
	CDMA BC10_Ant 1	1xRTT RC3 SO55	Left Cheek	0mm	580	820.5	21.69	23.00	1.352	-0.07	0.511	0.691
	CDMA BC10_Ant 1	1xRTT RC3 SO55	Left Tilted	0mm	580	820.5	21.69	23.00	1.352	-0.05	0.454	0.614
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 0A	1xRTT RC3 SO55	Right Cheek	0mm	580	820.5	24.92	25.00	1.019	-0.13	0.277	0.282
	CDMA BC10_Ant 0A	1xRTT RC3 SO55	Right Tilted	0mm	580	820.5	24.92	25.00	1.019	0.05	0.182	0.185
	CDMA BC10_Ant 0A	1xRTT RC3 SO55	Left Cheek	0mm	580	820.5	24.92	25.00	1.019	-0.03	0.351	0.358
	CDMA BC10_Ant 0A	1xRTT RC3 SO55	Left Tilted	0mm	580	820.5	24.92	25.00	1.019	-0.02	0.185	0.188
	CDMA BC10_Ant 1	1xRTT RC3 SO55	Right Cheek	0mm	580	820.5	21.69	22.00	1.074	0.01	0.818	0.879
	CDMA BC10_Ant 1	1xRTT RC3 SO55	Right Tilted	0mm	580	820.5	21.69	22.00	1.074	-0.02	0.518	0.556
	CDMA BC10_Ant 1	1xRTT RC3 SO55	Left Cheek	0mm	580	820.5	21.69	22.00	1.074	-0.07	0.511	0.549
	CDMA BC10_Ant 1	1xRTT RC3 SO55	Left Tilted	0mm	580	820.5	21.69	22.00	1.074	-0.05	0.454	0.488



<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 0b	20M	QPSK	1	99	Right Cheek	0mm	20850	2510	24.62	24.80	1.042	0.18	0.733	0.764
	LTE Band 7_Ant 0b	20M	QPSK	1	99	Right Cheek	0mm	21100	2535	24.57	24.80	1.054	0.15	0.783	0.826
	LTE Band 7_Ant 0b	20M	QPSK	1	99	Right Cheek	0mm	21350	2560	24.60	24.80	1.047	0.19	0.818	0.857
	LTE Band 7_Ant 0b	20M	QPSK	50	50	Right Cheek	0mm	20850	2510	23.69	23.80	1.026	0.05	0.589	0.604
	LTE Band 7_Ant 0b	20M	QPSK	1	99	Right Tilted	0mm	20850	2510	24.62	24.80	1.042	-0.08	0.260	0.271
	LTE Band 7_Ant 0b	20M	QPSK	50	50	Right Tilted	0mm	20850	2510	23.69	23.80	1.026	-0.12	0.204	0.209
	LTE Band 7_Ant 0b	20M	QPSK	1	99	Left Cheek	0mm	20850	2510	24.62	24.80	1.042	0.02	0.434	0.453
	LTE Band 7_Ant 0b	20M	QPSK	50	50	Left Cheek	0mm	20850	2510	23.69	23.80	1.026	0.07	0.367	0.377
	LTE Band 7_Ant 0b	20M	QPSK	1	99	Left Tilted	0mm	20850	2510	24.62	24.80	1.042	-0.07	0.362	0.378
	LTE Band 7_Ant 0b	20M	QPSK	50	50	Left Tilted	0mm	20850	2510	23.69	23.80	1.026	-0.15	0.284	0.292
	LTE Band 7_Ant 1	20M	QPSK	1	99	Right Cheek	0mm	20850	2510	18.31	19.50	1.315	-0.18	0.807	1.062
	LTE Band 7_Ant 1	20M	QPSK	1	99	Right Cheek	0mm	21100	2535	18.24	19.50	1.337	0.02	0.806	1.078
	LTE Band 7_Ant 1	20M	QPSK	1	99	Right Cheek	0mm	21350	2560	18.30	19.50	1.318	-0.15	0.775	1.021
	LTE Band 7_Ant 1	20M	QPSK	50	50	Right Cheek	0mm	20850	2510	18.43	19.50	1.279	-0.17	0.788	1.008
09	LTE Band 7_Ant 1	20M	QPSK	50	50	Right Cheek	0mm	21100	2535	18.38	19.50	1.294	-0.16	0.834	1.079
	LTE Band 7_Ant 1	20M	QPSK	50	50	Right Cheek	0mm	21350	2560	18.39	19.50	1.291	-0.04	0.792	1.023
	LTE Band 7_Ant 1	20M	QPSK	100	0	Right Cheek	0mm	20850	2510	18.38	19.50	1.294	-0.09	0.822	1.064
	LTE Band 7_Ant 1	20M	QPSK	1	99	Right Tilted	0mm	20850	2510	18.31	19.50	1.315	-0.11	0.626	0.823
	LTE Band 7_Ant 1	20M	QPSK	1	99	Right Tilted	0mm	21100	2535	18.24	19.50	1.337	-0.09	0.561	0.750
	LTE Band 7_Ant 1	20M	QPSK	1	99	Right Tilted	0mm	21350	2560	18.30	19.50	1.318	-0.13	0.528	0.696
	LTE Band 7_Ant 1	20M	QPSK	50	50	Right Tilted	0mm	20850	2510	18.43	19.50	1.279	-0.06	0.653	0.835
	LTE Band 7_Ant 1	20M	QPSK	50	50	Right Tilted	0mm	21100	2535	18.38	19.50	1.294	-0.12	0.605	0.783
	LTE Band 7_Ant 1	20M	QPSK	50	50	Right Tilted	0mm	21350	2560	18.39	19.50	1.291	-0.07	0.554	0.715
	LTE Band 7_Ant 1	20M	QPSK	100	0	Right Tilted	0mm	20850	2510	18.38	19.50	1.294	-0.12	0.654	0.846
	LTE Band 7_Ant 1	20M	QPSK	1	99	Left Cheek	0mm	20850	2510	18.31	19.50	1.315	-0.13	0.305	0.401
	LTE Band 7_Ant 1	20M	QPSK	50	50	Left Cheek	0mm	20850	2510	18.43	19.50	1.279	-0.03	0.326	0.417
	LTE Band 7_Ant 1	20M	QPSK	1	99	Left Tilted	0mm	20850	2510	18.31	19.50	1.315	-0.11	0.265	0.349
	LTE Band 7_Ant 1	20M	QPSK	50	50	Left Tilted	0mm	20850	2510	18.43	19.50	1.279	-0.15	0.287	0.367
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 0b	20M	QPSK	1	99	Right Cheek	0mm	20850	2510	24.62	24.80	1.042	0.18	0.733	0.764
	LTE Band 7_Ant 0b	20M	QPSK	1	99	Right Cheek	0mm	21100	2535	24.57	24.80	1.054	0.15	0.783	0.826
	LTE Band 7_Ant 0b	20M	QPSK	1	99	Right Cheek	0mm	21350	2560	24.60	24.80	1.047	0.19	0.818	0.857
	LTE Band 7_Ant 0b	20M	QPSK	50	50	Right Cheek	0mm	20850	2510	23.69	23.80	1.026	0.05	0.589	0.604
	LTE Band 7_Ant 0b	20M	QPSK	1	99	Right Tilted	0mm	20850	2510	24.62	24.80	1.042	-0.08	0.260	0.271
	LTE Band 7_Ant 0b	20M	QPSK	50	50	Right Tilted	0mm	20850	2510	23.69	23.80	1.026	-0.12	0.204	0.209
	LTE Band 7_Ant 0b	20M	QPSK	1	99	Left Cheek	0mm	20850	2510	24.62	24.80	1.042	0.02	0.434	0.453
	LTE Band 7_Ant 0b	20M	QPSK	50	50	Left Cheek	0mm	20850	2510	23.69	23.80	1.026	0.07	0.367	0.377
	LTE Band 7_Ant 0b	20M	QPSK	1	99	Left Tilted	0mm	20850	2510	24.62	24.80	1.042	-0.07	0.362	0.378
	LTE Band 7_Ant 0b	20M	QPSK	50	50	Left Tilted	0mm	20850	2510	23.69	23.80	1.026	-0.15	0.284	0.292
	LTE Band 7_Ant 1	20M	QPSK	1	99	Right Cheek	0mm	20850	2510	18.31	19.00	1.172	-0.18	0.807	0.946
	LTE Band 7_Ant 1	20M	QPSK	1	99	Right Cheek	0mm	21100	2535	18.24	19.00	1.191	0.02	0.806	0.960
	LTE Band 7_Ant 1	20M	QPSK	1	99	Right Cheek	0mm	21350	2560	18.30	19.00	1.175	-0.15	0.775	0.910
	LTE Band 7_Ant 1	20M	QPSK	50	50	Right Cheek	0mm	20850	2510	18.43	19.00	1.140	-0.17	0.788	0.899
	LTE Band 7_Ant 1	20M	QPSK	50	50	Right Cheek	0mm	21100	2535	18.38	19.00	1.153	-0.16	0.834	0.962
	LTE Band 7_Ant 1	20M	QPSK	50	50	Right Cheek	0mm	21350	2560	18.39	19.00	1.151	-0.04	0.792	0.911
	LTE Band 7_Ant 1	20M	QPSK	100	0	Right Cheek	0mm	20850	2510	18.38	19.00	1.153	-0.09	0.822	0.948
	LTE Band 7_Ant 1	20M	QPSK	1	99	Right Tilted	0mm	20850	2510	18.31	19.00	1.172	-0.11	0.626	0.734
	LTE Band 7_Ant 1	20M	QPSK	1	99	Right Tilted	0mm	21100	2535	18.24	19.00	1.191	-0.09	0.561	0.668
	LTE Band 7_Ant 1	20M	QPSK	1	99	Right Tilted	0mm	21350	2560	18.30	19.00	1.175	-0.13	0.528	0.620
	LTE Band 7_Ant 1	20M	QPSK	50	50	Right Tilted	0mm	20850	2510	18.43	19.00	1.140	-0.06	0.653	0.745
	LTE Band 7_Ant 1	20M	QPSK	50	50	Right Tilted	0mm	21100	2535	18.38	19.00	1.153	-0.12	0.605	0.698
	LTE Band 7_Ant 1	20M	QPSK	50	50	Right Tilted	0mm	21350	2560	18.39	19.00	1.151	-0.07	0.554	0.638
	LTE Band 7_Ant 1	20M	QPSK	100	0	Right Tilted	0mm	20850	2510	18.38	19.00	1.153	-0.12	0.654	0.754
	LTE Band 7_Ant 1	20M	QPSK	1	99	Left Cheek	0mm	20850	2510	18.31	19.00	1.172	-0.13	0.305	0.358
	LTE Band 7_Ant 1	20M	QPSK	50	50	Left Cheek	0mm	20850	2510	18.43	19.00	1.140	-0.03	0.326	0.372
	LTE Band 7_Ant 1	20M	QPSK	1	99	Left Tilted	0mm	20850	2510	18.31	19.00	1.172	-0.11	0.265	0.311
	LTE Band 7_Ant 1	20M	QPSK	50	50	Left Tilted	0mm	20850	2510	18.43	19.00	1.140	-0.15	0.287	0.327



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 12_Ant 0A	10M	QPSK	1	25	Right Cheek	0mm	23095	707.5	24.70	25.00	1.072	0.01	0.202	0.216
	LTE Band 12_Ant 0A	10M	QPSK	25	0	Right Cheek	0mm	23095	707.5	23.86	24.00	1.033	0.01	0.147	0.152
	LTE Band 12_Ant 0A	10M	QPSK	1	25	Right Tilted	0mm	23095	707.5	24.70	25.00	1.072	0.06	0.084	0.090
	LTE Band 12_Ant 0A	10M	QPSK	25	0	Right Tilted	0mm	23095	707.5	23.86	24.00	1.033	0	0.071	0.073
	LTE Band 12_Ant 0A	10M	QPSK	1	25	Left Cheek	0mm	23095	707.5	24.70	25.00	1.072	0.01	0.249	0.267
	LTE Band 12_Ant 0A	10M	QPSK	25	0	Left Cheek	0mm	23095	707.5	23.86	24.00	1.033	-0.05	0.199	0.206
	LTE Band 12_Ant 0A	10M	QPSK	1	25	Left Tilted	0mm	23095	707.5	23.86	24.00	1.033	-0.09	0.115	0.119
	LTE Band 12_Ant 0A	10M	QPSK	25	0	Left Tilted	0mm	23095	707.5	24.70	25.00	1.072	-0.03	0.092	0.099
	LTE Band 12_Ant 1	10M	QPSK	1	49	Right Cheek	0mm	23095	707.5	22.61	24.00	1.377	-0.03	0.775	1.067
	LTE Band 12_Ant 1	10M	QPSK	25	12	Right Cheek	0mm	23095	707.5	22.74	24.00	1.337	-0.05	0.809	1.081
10	LTE Band 12_Ant 1	10M	QPSK	50	0	Right Cheek	0mm	23095	707.5	22.73	24.00	1.340	-0.05	0.809	1.084
	LTE Band 12_Ant 1	10M	QPSK	1	49	Right Tilted	0mm	23095	707.5	22.61	24.00	1.377	0.02	0.585	0.806
	LTE Band 12_Ant 1	10M	QPSK	25	12	Right Tilted	0mm	23095	707.5	22.74	24.00	1.337	-0.07	0.622	0.831
	LTE Band 12_Ant 1	10M	QPSK	50	0	Right Tilted	0mm	23095	707.5	22.73	24.00	1.340	-0.04	0.623	0.835
	LTE Band 12_Ant 1	10M	QPSK	1	49	Left Cheek	0mm	23095	707.5	22.61	24.00	1.377	-0.01	0.395	0.544
	LTE Band 12_Ant 1	10M	QPSK	25	12	Left Cheek	0mm	23095	707.5	22.74	24.00	1.337	0	0.412	0.551
	LTE Band 12_Ant 1	10M	QPSK	1	49	Left Tilted	0mm	23095	707.5	22.61	24.00	1.377	0.02	0.352	0.485
	LTE Band 12_Ant 1	10M	QPSK	25	12	Left Tilted	0mm	23095	707.5	22.74	24.00	1.337	-0.04	0.377	0.504
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 0A	10M	QPSK	1	25	Right Cheek	0mm	23095	707.5	24.70	25.00	1.072	0.01	0.202	0.216
	LTE Band 12_Ant 0A	10M	QPSK	25	0	Right Cheek	0mm	23095	707.5	23.86	24.00	1.033	0.01	0.147	0.152
	LTE Band 12_Ant 0A	10M	QPSK	1	25	Right Tilted	0mm	23095	707.5	24.70	25.00	1.072	0.06	0.084	0.090
	LTE Band 12_Ant 0A	10M	QPSK	25	0	Right Tilted	0mm	23095	707.5	23.86	24.00	1.033	0	0.071	0.073
	LTE Band 12_Ant 0A	10M	QPSK	1	25	Left Cheek	0mm	23095	707.5	24.70	25.00	1.072	0.01	0.249	0.267
	LTE Band 12_Ant 0A	10M	QPSK	25	0	Left Cheek	0mm	23095	707.5	23.86	24.00	1.033	-0.05	0.199	0.206
	LTE Band 12_Ant 0A	10M	QPSK	1	25	Left Tilted	0mm	23095	707.5	23.86	24.00	1.033	-0.09	0.115	0.119
	LTE Band 12_Ant 0A	10M	QPSK	25	0	Left Tilted	0mm	23095	707.5	24.70	25.00	1.072	-0.03	0.092	0.099
	LTE Band 12_Ant 1	10M	QPSK	1	49	Right Cheek	0mm	23095	707.5	22.61	23.50	1.227	-0.03	0.775	0.951
	LTE Band 12_Ant 1	10M	QPSK	25	12	Right Cheek	0mm	23095	707.5	22.74	23.50	1.191	-0.05	0.809	0.964
	LTE Band 12_Ant 1	10M	QPSK	50	0	Right Cheek	0mm	23095	707.5	22.73	23.50	1.194	-0.05	0.809	0.966
	LTE Band 12_Ant 1	10M	QPSK	1	49	Right Tilted	0mm	23095	707.5	22.61	23.50	1.227	0.02	0.585	0.718
	LTE Band 12_Ant 1	10M	QPSK	25	12	Right Tilted	0mm	23095	707.5	22.74	23.50	1.191	-0.07	0.622	0.741
	LTE Band 12_Ant 1	10M	QPSK	50	0	Right Tilted	0mm	23095	707.5	22.73	23.50	1.194	-0.04	0.623	0.744
	LTE Band 12_Ant 1	10M	QPSK	1	49	Left Cheek	0mm	23095	707.5	22.61	23.50	1.227	-0.01	0.395	0.485
	LTE Band 12_Ant 1	10M	QPSK	25	12	Left Cheek	0mm	23095	707.5	22.74	23.50	1.191	0	0.412	0.491
	LTE Band 12_Ant 1	10M	QPSK	1	49	Left Tilted	0mm	23095	707.5	22.61	23.50	1.227	0.02	0.352	0.432
	LTE Band 12_Ant 1	10M	QPSK	25	12	Left Tilted	0mm	23095	707.5	22.74	23.50	1.191	-0.04	0.377	0.449



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 13_Ant 0A	10M	QPSK	1	25	Right Cheek	0mm	23230	782	24.66	25.00	1.081	-0.01	0.257	0.278
	LTE Band 13_Ant 0A	10M	QPSK	25	25	Right Cheek	0mm	23230	782	23.77	24.00	1.054	-0.01	0.203	0.214
	LTE Band 13_Ant 0A	10M	QPSK	1	25	Right Tilted	0mm	23230	782	24.66	25.00	1.081	0.02	0.160	0.173
	LTE Band 13_Ant 0A	10M	QPSK	25	25	Right Tilted	0mm	23230	782	23.77	24.00	1.054	0.08	0.134	0.141
	LTE Band 13_Ant 0A	10M	QPSK	1	25	Left Cheek	0mm	23230	782	24.66	25.00	1.081	0.02	0.329	0.356
	LTE Band 13_Ant 0A	10M	QPSK	25	25	Left Cheek	0mm	23230	782	23.77	24.00	1.054	0.01	0.270	0.285
	LTE Band 13_Ant 0A	10M	QPSK	1	25	Left Tilted	0mm	23230	782	24.66	25.00	1.081	0	0.184	0.199
	LTE Band 13_Ant 0A	10M	QPSK	25	25	Left Tilted	0mm	23230	782	23.77	24.00	1.054	-0.01	0.153	0.161
	LTE Band 13_Ant 1	10M	QPSK	1	25	Right Cheek	0mm	23230	782	22.15	23.50	1.365	-0.03	0.843	1.150
	LTE Band 13_Ant 1	10M	QPSK	25	12	Right Cheek	0mm	23230	782	22.29	23.50	1.321	-0.06	0.880	1.163
11	LTE Band 13_Ant 1	10M	QPSK	50	0	Right Cheek	0mm	23230	782	22.28	23.50	1.324	-0.04	0.881	1.167
	LTE Band 13_Ant 1	10M	QPSK	1	25	Right Tilted	0mm	23230	782	22.15	23.50	1.365	-0.04	0.591	0.806
	LTE Band 13_Ant 1	10M	QPSK	25	12	Right Tilted	0mm	23230	782	22.29	23.50	1.321	-0.03	0.621	0.821
	LTE Band 13_Ant 1	10M	QPSK	50	0	Right Tilted	0mm	23230	782	22.28	23.50	1.324	-0.05	0.617	0.817
	LTE Band 13_Ant 1	10M	QPSK	1	25	Left Cheek	0mm	23230	782	22.15	23.50	1.365	-0.01	0.506	0.690
	LTE Band 13_Ant 1	10M	QPSK	25	12	Left Cheek	0mm	23230	782	22.29	23.50	1.321	-0.05	0.536	0.708
	LTE Band 13_Ant 1	10M	QPSK	1	25	Left Tilted	0mm	23230	782	22.15	23.50	1.365	0.08	0.441	0.602
	LTE Band 13_Ant 1	10M	QPSK	25	12	Left Tilted	0mm	23230	782	22.29	23.50	1.321	-0.1	0.464	0.613
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 0A	10M	QPSK	1	25	Right Cheek	0mm	23230	782	24.66	25.00	1.081	-0.01	0.257	0.278
	LTE Band 13_Ant 0A	10M	QPSK	25	25	Right Cheek	0mm	23230	782	23.77	24.00	1.054	-0.01	0.203	0.214
	LTE Band 13_Ant 0A	10M	QPSK	1	25	Right Tilted	0mm	23230	782	24.66	25.00	1.081	0.02	0.160	0.173
	LTE Band 13_Ant 0A	10M	QPSK	25	25	Right Tilted	0mm	23230	782	23.77	24.00	1.054	0.08	0.134	0.141
	LTE Band 13_Ant 0A	10M	QPSK	1	25	Left Cheek	0mm	23230	782	24.66	25.00	1.081	0.02	0.329	0.356
	LTE Band 13_Ant 0A	10M	QPSK	25	25	Left Cheek	0mm	23230	782	23.77	24.00	1.054	0.01	0.270	0.285
	LTE Band 13_Ant 0A	10M	QPSK	1	25	Left Tilted	0mm	23230	782	24.66	25.00	1.081	0	0.184	0.199
	LTE Band 13_Ant 0A	10M	QPSK	25	25	Left Tilted	0mm	23230	782	23.77	24.00	1.054	-0.01	0.153	0.161
	LTE Band 13_Ant 1	10M	QPSK	1	25	Right Cheek	0mm	23230	782	22.15	22.50	1.084	-0.03	0.843	0.914
	LTE Band 13_Ant 1	10M	QPSK	25	12	Right Cheek	0mm	23230	782	22.29	22.50	1.050	-0.06	0.880	0.924
	LTE Band 13_Ant 1	10M	QPSK	50	0	Right Cheek	0mm	23230	782	22.28	22.50	1.052	-0.04	0.881	0.927
	LTE Band 13_Ant 1	10M	QPSK	1	25	Right Tilted	0mm	23230	782	22.15	22.50	1.084	-0.04	0.591	0.641
	LTE Band 13_Ant 1	10M	QPSK	25	12	Right Tilted	0mm	23230	782	22.29	22.50	1.050	-0.03	0.621	0.652
	LTE Band 13_Ant 1	10M	QPSK	50	0	Right Tilted	0mm	23230	782	22.28	22.50	1.052	-0.05	0.617	0.649
	LTE Band 13_Ant 1	10M	QPSK	1	25	Left Cheek	0mm	23230	782	22.15	22.50	1.084	-0.01	0.506	0.548
	LTE Band 13_Ant 1	10M	QPSK	25	12	Left Cheek	0mm	23230	782	22.29	22.50	1.050	-0.05	0.536	0.563
	LTE Band 13_Ant 1	10M	QPSK	1	25	Left Tilted	0mm	23230	782	22.15	22.50	1.084	0.08	0.441	0.478
	LTE Band 13_Ant 1	10M	QPSK	25	12	Left Tilted	0mm	23230	782	22.29	22.50	1.050	-0.1	0.464	0.487



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 14_Ant 0A	10M	QPSK	1	0	Right Cheek	0mm	23330	793	24.77	25.00	1.054	-0.07	0.290	0.306
	LTE Band 14_Ant 0A	10M	QPSK	25	0	Right Cheek	0mm	23330	793	23.86	24.00	1.033	-0.03	0.241	0.249
	LTE Band 14_Ant 0A	10M	QPSK	1	0	Right Tilted	0mm	23330	793	24.77	25.00	1.054	-0.02	0.173	0.182
	LTE Band 14_Ant 0A	10M	QPSK	25	0	Right Tilted	0mm	23330	793	23.86	24.00	1.033	0.02	0.150	0.155
	LTE Band 14_Ant 0A	10M	QPSK	1	0	Left Cheek	0mm	23330	793	24.77	25.00	1.054	0.01	0.345	0.364
	LTE Band 14_Ant 0A	10M	QPSK	25	0	Left Cheek	0mm	23330	793	23.86	24.00	1.033	-0.03	0.293	0.303
	LTE Band 14_Ant 0A	10M	QPSK	1	0	Left Tilted	0mm	23330	793	24.77	25.00	1.054	-0.05	0.191	0.201
	LTE Band 14_Ant 0A	10M	QPSK	25	0	Left Tilted	0mm	23330	793	23.86	24.00	1.033	-0.07	0.163	0.168
	LTE Band 14_Ant 1	10M	QPSK	1	0	Right Cheek	0mm	23330	793	22.26	23.50	1.330	-0.14	0.868	1.155
12	LTE Band 14_Ant 1	10M	QPSK	25	12	Right Cheek	0mm	23330	793	22.36	23.50	1.300	-0.03	0.895	1.164
	LTE Band 14_Ant 1	10M	QPSK	50	0	Right Cheek	0mm	23330	793	22.35	23.50	1.303	-0.03	0.891	1.161
	LTE Band 14_Ant 1	10M	QPSK	1	0	Right Tilted	0mm	23330	793	22.26	23.50	1.330	-0.03	0.540	0.718
	LTE Band 14_Ant 1	10M	QPSK	25	12	Right Tilted	0mm	23330	793	22.36	23.50	1.300	-0.07	0.589	0.766
	LTE Band 14_Ant 1	10M	QPSK	1	0	Left Cheek	0mm	23330	793	22.26	23.50	1.330	-0.09	0.498	0.663
	LTE Band 14_Ant 1	10M	QPSK	25	12	Left Cheek	0mm	23330	793	22.36	23.50	1.300	-0.07	0.525	0.683
	LTE Band 14_Ant 1	10M	QPSK	1	0	Left Tilted	0mm	23330	793	22.26	23.50	1.330	-0.09	0.449	0.597
	LTE Band 14_Ant 1	10M	QPSK	25	12	Left Tilted	0mm	23330	793	22.36	23.50	1.300	-0.05	0.465	0.605
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 0A	10M	QPSK	1	0	Right Cheek	0mm	23330	793	24.77	25.00	1.054	-0.07	0.290	0.306
	LTE Band 14_Ant 0A	10M	QPSK	25	0	Right Cheek	0mm	23330	793	23.86	24.00	1.033	-0.03	0.241	0.249
	LTE Band 14_Ant 0A	10M	QPSK	1	0	Right Tilted	0mm	23330	793	24.77	25.00	1.054	-0.02	0.173	0.182
	LTE Band 14_Ant 0A	10M	QPSK	25	0	Right Tilted	0mm	23330	793	23.86	24.00	1.033	0.02	0.150	0.155
	LTE Band 14_Ant 0A	10M	QPSK	1	0	Left Cheek	0mm	23330	793	24.77	25.00	1.054	0.01	0.345	0.364
	LTE Band 14_Ant 0A	10M	QPSK	25	0	Left Cheek	0mm	23330	793	23.86	24.00	1.033	-0.03	0.293	0.303
	LTE Band 14_Ant 0A	10M	QPSK	1	0	Left Tilted	0mm	23330	793	24.77	25.00	1.054	-0.05	0.191	0.201
	LTE Band 14_Ant 0A	10M	QPSK	25	0	Left Tilted	0mm	23330	793	23.86	24.00	1.033	-0.07	0.163	0.168
	LTE Band 14_Ant 1	10M	QPSK	1	0	Right Cheek	0mm	23330	793	22.26	22.50	1.057	-0.14	0.868	0.917
	LTE Band 14_Ant 1	10M	QPSK	25	12	Right Cheek	0mm	23330	793	22.36	22.50	1.033	-0.03	0.895	0.924
	LTE Band 14_Ant 1	10M	QPSK	50	0	Right Cheek	0mm	23330	793	22.35	22.50	1.035	-0.03	0.891	0.922
	LTE Band 14_Ant 1	10M	QPSK	1	0	Right Tilted	0mm	23330	793	22.26	22.50	1.057	-0.03	0.540	0.571
	LTE Band 14_Ant 1	10M	QPSK	25	12	Right Tilted	0mm	23330	793	22.36	22.50	1.033	-0.07	0.589	0.608
	LTE Band 14_Ant 1	10M	QPSK	1	0	Left Cheek	0mm	23330	793	22.26	22.50	1.057	-0.09	0.498	0.526
	LTE Band 14_Ant 1	10M	QPSK	25	12	Left Cheek	0mm	23330	793	22.36	22.50	1.033	-0.07	0.525	0.542
	LTE Band 14_Ant 1	10M	QPSK	1	0	Left Tilted	0mm	23330	793	22.26	22.50	1.057	-0.09	0.449	0.475
	LTE Band 14_Ant 1	10M	QPSK	25	12	Left Tilted	0mm	23330	793	22.36	22.50	1.033	-0.05	0.465	0.480





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 0b	20M	QPSK	1	0	Right Cheek	0mm	26140	1860	24.58	24.75	1.040	-0.07	0.420	0.437
	LTE Band 25_Ant 0b	20M	QPSK	1	0	Right Cheek	0mm	26340	1880	24.56	24.75	1.045	-0.03	0.405	0.423
	LTE Band 25_Ant 0b	20M	QPSK	1	0	Right Cheek	0mm	26590	1905	24.47	24.75	1.067	-0.01	0.365	0.389
	LTE Band 25_Ant 0b	20M	QPSK	50	0	Right Cheek	0mm	26140	1860	23.64	23.75	1.026	0.01	0.329	0.337
	LTE Band 25_Ant 0b	20M	QPSK	1	0	Right Tilted	0mm	26140	1860	24.58	24.75	1.040	-0.03	0.199	0.207
	LTE Band 25_Ant 0b	20M	QPSK	50	0	Right Tilted	0mm	26140	1860	23.64	23.75	1.026	-0.01	0.164	0.168
	LTE Band 25_Ant 0b	20M	QPSK	1	0	Left Cheek	0mm	26140	1860	24.58	24.75	1.040	-0.06	0.296	0.308
	LTE Band 25_Ant 0b	20M	QPSK	50	0	Left Cheek	0mm	26140	1860	23.64	23.75	1.026	0.02	0.236	0.242
	LTE Band 25_Ant 0b	20M	QPSK	1	0	Left Tilted	0mm	26140	1860	24.58	24.75	1.040	-0.02	0.258	0.268
	LTE Band 25_Ant 0b	20M	QPSK	50	0	Left Tilted	0mm	26140	1860	23.64	23.75	1.026	0	0.203	0.208
	LTE Band 25_Ant 0c	20M	QPSK	1	0	Right Cheek	0mm	26140	1860	24.58	24.75	1.040	-0.05	0.355	0.369
	LTE Band 25_Ant 0c	20M	QPSK	50	0	Right Cheek	0mm	26140	1860	23.64	23.75	1.026	-0.05	0.259	0.266
	LTE Band 25_Ant 0c	20M	QPSK	1	0	Right Tilted	0mm	26140	1860	24.58	24.75	1.040	-0.02	0.199	0.207
	LTE Band 25_Ant 0c	20M	QPSK	50	0	Right Tilted	0mm	26140	1860	23.64	23.75	1.026	-0.18	0.163	0.167
	LTE Band 25_Ant 0c	20M	QPSK	1	0	Left Cheek	0mm	26140	1860	24.58	24.75	1.040	0.01	0.573	0.596
	LTE Band 25_Ant 0c	20M	QPSK	1	0	Left Cheek	0mm	26340	1880	24.56	24.75	1.045	-0.01	0.579	0.605
	LTE Band 25_Ant 0c	20M	QPSK	1	0	Left Cheek	0mm	26590	1905	24.47	24.75	1.067	0.02	0.578	0.616
	LTE Band 25_Ant 0c	20M	QPSK	50	0	Left Cheek	0mm	26140	1860	23.64	23.75	1.026	0.02	0.462	0.474
	LTE Band 25_Ant 0c	20M	QPSK	1	0	Left Tilted	0mm	26140	1860	24.58	24.75	1.040	-0.05	0.275	0.286
	LTE Band 25_Ant 0c	20M	QPSK	50	0	Left Tilted	0mm	26140	1860	23.64	23.75	1.026	-0.04	0.223	0.229
	LTE Band 25_Ant 1	20M	QPSK	1	0	Right Cheek	0mm	26340	1880	18.92	20.50	1.439	-0.1	0.648	0.932
	LTE Band 25_Ant 1	20M	QPSK	1	0	Right Cheek	0mm	26140	1860	18.90	20.50	1.445	0.12	0.711	1.028
	LTE Band 25_Ant 1	20M	QPSK	1	0	Right Cheek	0mm	26590	1905	18.79	20.50	1.483	-0.06	0.722	1.070
	LTE Band 25_Ant 1	20M	QPSK	50	24	Right Cheek	0mm	26340	1880	18.96	20.50	1.426	-0.05	0.741	1.056
	LTE Band 25_Ant 1	20M	QPSK	50	24	Right Cheek	0mm	26140	1860	18.94	20.50	1.432	-0.01	0.696	0.997
	LTE Band 25_Ant 1	20M	QPSK	50	24	Right Cheek	0mm	26590	1905	18.89	20.50	1.449	-0.07	0.734	1.063
	LTE Band 25_Ant 1	20M	QPSK	100	0	Right Cheek	0mm	26340	1880	18.91	20.50	1.442	-0.09	0.739	1.066
	LTE Band 25_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	26340	1880	18.92	20.50	1.439	0.11	0.785	1.129
13	LTE Band 25_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	26140	1860	18.90	20.50	1.445	0.04	0.821	1.187
	LTE Band 25_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	26590	1905	18.79	20.50	1.483	-0.04	0.770	1.142
	LTE Band 25_Ant 1	20M	QPSK	50	24	Right Tilted	0mm	26340	1880	18.96	20.50	1.426	-0.12	0.703	1.002
	LTE Band 25_Ant 1	20M	QPSK	50	24	Right Tilted	0mm	26140	1860	18.94	20.50	1.432	-0.04	0.800	1.146
	LTE Band 25_Ant 1	20M	QPSK	50	24	Right Tilted	0mm	26590	1905	18.89	20.50	1.449	-0.04	0.789	1.143
	LTE Band 25_Ant 1	20M	QPSK	100	0	Right Tilted	0mm	26340	1880	18.91	20.50	1.442	-0.1	0.704	1.015
	LTE Band 25_Ant 1	20M	QPSK	1	0	Left Cheek	0mm	26340	1880	18.92	20.50	1.439	0.05	0.224	0.322
	LTE Band 25_Ant 1	20M	QPSK	50	24	Left Cheek	0mm	26340	1880	18.96	20.50	1.426	-0.11	0.219	0.312
	LTE Band 25_Ant 1	20M	QPSK	1	0	Left Tilted	0mm	26340	1880	18.92	20.50	1.439	0.04	0.333	0.479
	LTE Band 25_Ant 1	20M	QPSK	50	24	Left Tilted	0mm	26340	1880	18.96	20.50	1.426	-0.06	0.348	0.496
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 0b	20M	QPSK	1	0	Right Cheek	0mm	26140	1860	24.58	24.75	1.040	-0.07	0.420	0.437
	LTE Band 25_Ant 0b	20M	QPSK	1	0	Right Cheek	0mm	26340	1880	24.56	24.75	1.045	-0.03	0.405	0.423
	LTE Band 25_Ant 0b	20M	QPSK	1	0	Right Cheek	0mm	26590	1905	24.47	24.75	1.067	-0.01	0.365	0.389
	LTE Band 25_Ant 0b	20M	QPSK	50	0	Right Cheek	0mm	26140	1860	23.64	23.75	1.026	0.01	0.329	0.337
	LTE Band 25_Ant 0b	20M	QPSK	1	0	Right Tilted	0mm	26140	1860	24.58	24.75	1.040	-0.03	0.199	0.207
	LTE Band 25_Ant 0b	20M	QPSK	50	0	Right Tilted	0mm	26140	1860	23.64	23.75	1.026	-0.01	0.164	0.168
	LTE Band 25_Ant 0b	20M	QPSK	1	0	Left Cheek	0mm	26140	1860	24.58	24.75	1.040	-0.06	0.296	0.308
	LTE Band 25_Ant 0b	20M	QPSK	50	0	Left Cheek	0mm	26140	1860	23.64	23.75	1.026	0.02	0.236	0.242
	LTE Band 25_Ant 0b	20M	QPSK	1	0	Left Tilted	0mm	26140	1860	24.58	24.75	1.040	-0.02	0.258	0.268
	LTE Band 25_Ant 0b	20M	QPSK	50	0	Left Tilted	0mm	26140	1860	23.64	23.75	1.026	0	0.203	0.208
	LTE Band 25_Ant 0c	20M	QPSK	1	0	Right Cheek	0mm	26140	1860	24.58	24.75	1.040	-0.05	0.355	0.369



**FCC SAR TEST REPORT**

**Report No. : FA8N0616-05A**

LTE Band 25_Ant 0c	20M	QPSK	50	0	Right Cheek	0mm	26140	1860	23.64	23.75	1.026	-0.05	0.259	0.266
LTE Band 25_Ant 0c	20M	QPSK	1	0	Right Tilted	0mm	26140	1860	24.58	24.75	1.040	-0.02	0.199	0.207
LTE Band 25_Ant 0c	20M	QPSK	50	0	Right Tilted	0mm	26140	1860	23.64	23.75	1.026	-0.18	0.163	0.167
LTE Band 25_Ant 0c	20M	QPSK	1	0	Left Cheek	0mm	26140	1860	24.58	24.75	1.040	0.01	0.573	0.596
LTE Band 25_Ant 0c	20M	QPSK	1	0	Left Cheek	0mm	26340	1880	24.56	24.75	1.045	-0.01	0.579	0.605
LTE Band 25_Ant 0c	20M	QPSK	1	0	Left Cheek	0mm	26590	1905	24.47	24.75	1.067	0.02	0.578	0.616
LTE Band 25_Ant 0c	20M	QPSK	50	0	Left Cheek	0mm	26140	1860	23.64	23.75	1.026	0.02	0.462	0.474
LTE Band 25_Ant 0c	20M	QPSK	1	0	Left Tilted	0mm	26140	1860	24.58	24.75	1.040	-0.05	0.275	0.286
LTE Band 25_Ant 0c	20M	QPSK	50	0	Left Tilted	0mm	26140	1860	23.64	23.75	1.026	-0.04	0.223	0.229
LTE Band 25_Ant 1	20M	QPSK	1	0	Right Cheek	0mm	26340	1880	18.92	19.50	1.143	-0.1	0.648	0.741
LTE Band 25_Ant 1	20M	QPSK	1	0	Right Cheek	0mm	26140	1860	18.90	19.50	1.148	0.12	0.711	0.816
LTE Band 25_Ant 1	20M	QPSK	1	0	Right Cheek	0mm	26590	1905	18.79	19.50	1.178	-0.06	0.722	0.850
LTE Band 25_Ant 1	20M	QPSK	50	24	Right Cheek	0mm	26340	1880	18.96	19.50	1.132	-0.05	0.741	0.839
LTE Band 25_Ant 1	20M	QPSK	50	24	Right Cheek	0mm	26140	1860	18.94	19.50	1.138	-0.01	0.696	0.792
LTE Band 25_Ant 1	20M	QPSK	50	24	Right Cheek	0mm	26590	1905	18.89	19.50	1.151	-0.07	0.734	0.845
LTE Band 25_Ant 1	20M	QPSK	100	0	Right Cheek	0mm	26340	1880	18.91	19.50	1.146	-0.09	0.739	0.847
LTE Band 25_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	26340	1880	18.92	19.50	1.143	0.11	0.785	0.897
LTE Band 25_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	26140	1860	18.90	19.50	1.148	0.04	0.821	0.943
LTE Band 25_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	26590	1905	18.79	19.50	1.178	-0.04	0.770	0.907
LTE Band 25_Ant 1	20M	QPSK	50	24	Right Tilted	0mm	26340	1880	18.96	19.50	1.132	-0.12	0.703	0.796
LTE Band 25_Ant 1	20M	QPSK	50	24	Right Tilted	0mm	26140	1860	18.94	19.50	1.138	-0.04	0.800	0.910
LTE Band 25_Ant 1	20M	QPSK	50	24	Right Tilted	0mm	26590	1905	18.89	19.50	1.151	-0.04	0.789	0.908
LTE Band 25_Ant 1	20M	QPSK	100	0	Right Tilted	0mm	26340	1880	18.91	19.50	1.146	-0.1	0.704	0.806
LTE Band 25_Ant 1	20M	QPSK	1	0	Left Cheek	0mm	26340	1880	18.92	19.50	1.143	0.05	0.224	0.256
LTE Band 25_Ant 1	20M	QPSK	50	24	Left Cheek	0mm	26340	1880	18.96	19.50	1.132	-0.11	0.219	0.248
LTE Band 25_Ant 1	20M	QPSK	1	0	Left Tilted	0mm	26340	1880	18.92	19.50	1.143	0.04	0.333	0.381
LTE Band 25_Ant 1	20M	QPSK	50	24	Left Tilted	0mm	26340	1880	18.96	19.50	1.132	-0.06	0.348	0.394



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 0A	15M	QPSK	1	0	Right Cheek	0mm	26865	831.5	24.72	25.00	1.067	0.01	0.287	0.306
	LTE Band 26_Ant 0A	15M	QPSK	36	20	Right Cheek	0mm	26865	831.5	23.83	24.00	1.040	0.01	0.250	0.260
	LTE Band 26_Ant 0A	15M	QPSK	1	0	Right Tilted	0mm	26865	831.5	24.72	25.00	1.067	0	0.187	0.199
	LTE Band 26_Ant 0A	15M	QPSK	36	20	Right Tilted	0mm	26865	831.5	23.83	24.00	1.040	-0.03	0.165	0.172
	LTE Band 26_Ant 0A	15M	QPSK	1	0	Left Cheek	0mm	26865	831.5	24.72	25.00	1.067	0	0.365	0.389
	LTE Band 26_Ant 0A	15M	QPSK	36	20	Left Cheek	0mm	26865	831.5	23.83	24.00	1.040	0	0.306	0.318
	LTE Band 26_Ant 0A	15M	QPSK	1	0	Left Tilted	0mm	26865	831.5	24.72	25.00	1.067	-0.04	0.186	0.198
	LTE Band 26_Ant 0A	15M	QPSK	36	20	Left Tilted	0mm	26865	831.5	23.83	24.00	1.040	0	0.160	0.166
	LTE Band 5B_Ant 0A	10M	QPSK	1	0	Left Cheek	0mm	20525	836.5	24.41	25.00	1.146	-0.04	0.331	0.379
	LTE Band 26_Ant 1	15M	QPSK	1	0	Right Cheek	0mm	26865	831.5	21.78	23.00	1.324	0.05	0.792	1.049
14	LTE Band 26_Ant 1	15M	QPSK	36	20	Right Cheek	0mm	26865	831.5	21.87	23.00	1.297	-0.04	0.827	1.073
	LTE Band 26_Ant 1	15M	QPSK	75	0	Right Cheek	0mm	26865	831.5	21.85	23.00	1.303	-0.06	0.812	1.058
	LTE Band 26_Ant 1	15M	QPSK	1	0	Right Tilted	0mm	26865	831.5	21.78	23.00	1.324	-0.03	0.542	0.718
	LTE Band 26_Ant 1	15M	QPSK	36	20	Right Tilted	0mm	26865	831.5	21.87	23.00	1.297	-0.02	0.578	0.750
	LTE Band 26_Ant 1	15M	QPSK	1	0	Left Cheek	0mm	26865	831.5	21.78	23.00	1.324	-0.03	0.480	0.636
	LTE Band 26_Ant 1	15M	QPSK	36	20	Left Cheek	0mm	26865	831.5	21.87	23.00	1.297	-0.06	0.488	0.633
	LTE Band 26_Ant 1	15M	QPSK	1	0	Left Tilted	0mm	26865	831.5	21.78	23.00	1.324	-0.02	0.431	0.571
	LTE Band 26_Ant 1	15M	QPSK	36	20	Left Tilted	0mm	26865	831.5	21.87	23.00	1.297	0.05	0.425	0.551
	LTE Band 5B_Ant 0A	10M	QPSK	1	0	Left Cheek	0mm	20525	836.5	21.83	23.00	1.309	-0.04	0.805	1.054
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 0A	15M	QPSK	1	0	Right Cheek	0mm	26865	831.5	24.72	25.00	1.067	0.01	0.287	0.306
	LTE Band 26_Ant 0A	15M	QPSK	36	20	Right Cheek	0mm	26865	831.5	23.83	24.00	1.040	0.01	0.250	0.260
	LTE Band 26_Ant 0A	15M	QPSK	1	0	Right Tilted	0mm	26865	831.5	24.72	25.00	1.067	0	0.187	0.199
	LTE Band 26_Ant 0A	15M	QPSK	36	20	Right Tilted	0mm	26865	831.5	23.83	24.00	1.040	-0.03	0.165	0.172
	LTE Band 26_Ant 0A	15M	QPSK	1	0	Left Cheek	0mm	26865	831.5	24.72	25.00	1.067	0	0.365	0.389
	LTE Band 26_Ant 0A	15M	QPSK	36	20	Left Cheek	0mm	26865	831.5	23.83	24.00	1.040	0	0.306	0.318
	LTE Band 26_Ant 0A	15M	QPSK	1	0	Left Tilted	0mm	26865	831.5	24.72	25.00	1.067	-0.04	0.186	0.198
	LTE Band 26_Ant 0A	15M	QPSK	36	20	Left Tilted	0mm	26865	831.5	23.83	24.00	1.040	0	0.160	0.166
	LTE Band 5B_Ant 0A	10M	QPSK	1	0	Left Cheek	0mm	20525	836.5	24.41	25.00	1.146	-0.04	0.331	0.379
	LTE Band 26_Ant 1	15M	QPSK	1	0	Right Cheek	0mm	26865	831.5	21.78	22.50	1.180	0.05	0.792	0.935
	LTE Band 26_Ant 1	15M	QPSK	36	20	Right Cheek	0mm	26865	831.5	21.87	22.50	1.156	-0.04	0.827	0.956
	LTE Band 26_Ant 1	15M	QPSK	75	0	Right Cheek	0mm	26865	831.5	21.85	22.50	1.161	-0.06	0.812	0.943
	LTE Band 26_Ant 1	15M	QPSK	1	0	Right Tilted	0mm	26865	831.5	21.78	22.50	1.180	-0.03	0.542	0.640
	LTE Band 26_Ant 1	15M	QPSK	36	20	Right Tilted	0mm	26865	831.5	21.87	22.50	1.156	-0.02	0.578	0.668
	LTE Band 26_Ant 1	15M	QPSK	1	0	Left Cheek	0mm	26865	831.5	21.78	22.50	1.180	-0.03	0.480	0.567
	LTE Band 26_Ant 1	15M	QPSK	36	20	Left Cheek	0mm	26865	831.5	21.87	22.50	1.156	-0.06	0.488	0.564
	LTE Band 26_Ant 1	15M	QPSK	1	0	Left Tilted	0mm	26865	831.5	21.78	22.50	1.180	-0.02	0.431	0.509
	LTE Band 26_Ant 1	15M	QPSK	36	20	Left Tilted	0mm	26865	831.5	21.87	22.50	1.156	0.05	0.425	0.491
	LTE Band 5B_Ant 1	10M	QPSK	1	0	Left Cheek	0mm	20525	836.5	21.83	22.00	1.040	-0.04	0.805	0.837



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	Right Cheek	0mm	27710	2310	24.37	24.80	1.104	0.07	0.172	0.190
	LTE Band 30_Ant 0b	10M	QPSK	25	0	Right Cheek	0mm	27710	2310	23.44	23.80	1.086	-0.01	0.143	0.155
	LTE Band 30_Ant 0b	10M	QPSK	1	0	Right Tilted	0mm	27710	2310	24.37	24.80	1.104	-0.13	0.077	0.085
	LTE Band 30_Ant 0b	10M	QPSK	25	0	Right Tilted	0mm	27710	2310	23.44	23.80	1.086	0.06	0.063	0.068
	LTE Band 30_Ant 0b	10M	QPSK	1	0	Left Cheek	0mm	27710	2310	24.37	24.80	1.104	-0.04	0.129	0.142
	LTE Band 30_Ant 0b	10M	QPSK	25	0	Left Cheek	0mm	27710	2310	23.44	23.80	1.086	0.19	0.109	0.118
	LTE Band 30_Ant 0b	10M	QPSK	1	0	Left Tilted	0mm	27710	2310	24.37	24.80	1.104	-0.01	0.113	0.125
	LTE Band 30_Ant 0b	10M	QPSK	25	0	Left Tilted	0mm	27710	2310	23.44	23.80	1.086	-0.02	0.094	0.102
	LTE Band 30_Ant 0c	10M	QPSK	1	0	Right Cheek	0mm	27710	2310	24.37	24.80	1.104	-0.04	0.353	0.389
	LTE Band 30_Ant 0c	10M	QPSK	25	0	Right Cheek	0mm	27710	2310	23.44	23.80	1.086	-0.01	0.291	0.316
	LTE Band 30_Ant 0c	10M	QPSK	1	0	Right Tilted	0mm	27710	2310	24.37	24.80	1.104	0.07	0.305	0.337
	LTE Band 30_Ant 0c	10M	QPSK	25	0	Right Tilted	0mm	27710	2310	23.44	23.80	1.086	-0.09	0.254	0.276
	LTE Band 30_Ant 0c	10M	QPSK	1	0	Left Cheek	0mm	27710	2310	24.37	24.80	1.104	0.01	0.697	0.770
	LTE Band 30_Ant 0c	10M	QPSK	25	0	Left Cheek	0mm	27710	2310	23.44	23.80	1.086	0.04	0.585	0.636
	LTE Band 30_Ant 0c	10M	QPSK	1	0	Left Tilted	0mm	27710	2310	24.37	24.80	1.104	0.01	0.213	0.235
	LTE Band 30_Ant 0c	10M	QPSK	25	0	Left Tilted	0mm	27710	2310	23.44	23.80	1.086	-0.03	0.175	0.190
	LTE Band 30_Ant 1	10M	QPSK	1	0	Right Cheek	0mm	27710	2310	18.26	20.00	1.493	-0.14	0.688	1.027
	LTE Band 30_Ant 1	10M	QPSK	25	0	Right Cheek	0mm	27710	2310	18.23	20.00	1.503	-0.12	0.691	1.039
	LTE Band 30_Ant 1	10M	QPSK	50	0	Right Cheek	0mm	27710	2310	18.23	20.00	1.503	-0.08	0.684	1.028
	LTE Band 30_Ant 1	10M	QPSK	1	0	Right Tilted	0mm	27710	2310	18.26	20.00	1.493	0.17	0.770	1.149
15	LTE Band 30_Ant 1	10M	QPSK	25	0	Right Tilted	0mm	27710	2310	18.23	20.00	1.503	0.04	0.779	1.171
	LTE Band 30_Ant 1	10M	QPSK	50	0	Right Tilted	0mm	27710	2310	18.23	20.00	1.503	0.05	0.777	1.168
	LTE Band 30_Ant 1	10M	QPSK	1	0	Left Cheek	0mm	27710	2310	18.26	20.00	1.493	-0.14	0.259	0.387
	LTE Band 30_Ant 1	10M	QPSK	25	0	Left Cheek	0mm	27710	2310	18.23	20.00	1.503	-0.06	0.263	0.395
	LTE Band 30_Ant 1	10M	QPSK	1	0	Left Tilted	0mm	27710	2310	18.26	20.00	1.493	0.01	0.291	0.434
	LTE Band 30_Ant 1	10M	QPSK	25	0	Left Tilted	0mm	27710	2310	18.23	20.00	1.503	-0.12	0.299	0.449
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	Right Cheek	0mm	27710	2310	24.37	24.80	1.104	0.07	0.172	0.190
	LTE Band 30_Ant 0b	10M	QPSK	25	0	Right Cheek	0mm	27710	2310	23.44	23.80	1.086	-0.01	0.143	0.155
	LTE Band 30_Ant 0b	10M	QPSK	1	0	Right Tilted	0mm	27710	2310	24.37	24.80	1.104	-0.13	0.077	0.085
	LTE Band 30_Ant 0b	10M	QPSK	25	0	Right Tilted	0mm	27710	2310	23.44	23.80	1.086	0.06	0.063	0.068
	LTE Band 30_Ant 0b	10M	QPSK	1	0	Left Cheek	0mm	27710	2310	24.37	24.80	1.104	-0.04	0.129	0.142
	LTE Band 30_Ant 0b	10M	QPSK	25	0	Left Cheek	0mm	27710	2310	23.44	23.80	1.086	0.19	0.109	0.118
	LTE Band 30_Ant 0b	10M	QPSK	1	0	Left Tilted	0mm	27710	2310	24.37	24.80	1.104	-0.01	0.113	0.125
	LTE Band 30_Ant 0b	10M	QPSK	25	0	Left Tilted	0mm	27710	2310	23.44	23.80	1.086	-0.02	0.094	0.102
	LTE Band 30_Ant 0c	10M	QPSK	1	0	Right Cheek	0mm	27710	2310	24.37	24.80	1.104	-0.04	0.353	0.389
	LTE Band 30_Ant 0c	10M	QPSK	25	0	Right Cheek	0mm	27710	2310	23.44	23.80	1.086	-0.01	0.291	0.316
	LTE Band 30_Ant 0c	10M	QPSK	1	0	Right Tilted	0mm	27710	2310	24.37	24.80	1.104	0.07	0.305	0.337
	LTE Band 30_Ant 0c	10M	QPSK	25	0	Right Tilted	0mm	27710	2310	23.44	23.80	1.086	-0.09	0.254	0.276
	LTE Band 30_Ant 0c	10M	QPSK	1	0	Left Cheek	0mm	27710	2310	24.37	24.80	1.104	0.01	0.697	0.770
	LTE Band 30_Ant 0c	10M	QPSK	25	0	Left Cheek	0mm	27710	2310	23.44	23.80	1.086	0.04	0.585	0.636
	LTE Band 30_Ant 0c	10M	QPSK	1	0	Left Tilted	0mm	27710	2310	24.37	24.80	1.104	0.01	0.213	0.235
	LTE Band 30_Ant 0c	10M	QPSK	25	0	Left Tilted	0mm	27710	2310	23.44	23.80	1.086	-0.03	0.175	0.190
	LTE Band 30_Ant 1	10M	QPSK	1	0	Right Cheek	0mm	27710	2310	18.26	19.00	1.186	-0.14	0.688	0.816
	LTE Band 30_Ant 1	10M	QPSK	25	0	Right Cheek	0mm	27710	2310	18.23	19.00	1.194	-0.12	0.691	0.825
	LTE Band 30_Ant 1	10M	QPSK	50	0	Right Cheek	0mm	27710	2310	18.23	19.00	1.194	-0.08	0.684	0.817
	LTE Band 30_Ant 1	10M	QPSK	1	0	Right Tilted	0mm	27710	2310	18.26	19.00	1.186	0.17	0.770	0.913
	LTE Band 30_Ant 1	10M	QPSK	25	0	Right Tilted	0mm	27710	2310	18.23	19.00	1.194	0.04	0.779	0.930
	LTE Band 30_Ant 1	10M	QPSK	50	0	Right Tilted	0mm	27710	2310	18.23	19.00	1.194	0.05	0.777	0.928
	LTE Band 30_Ant 1	10M	QPSK	1	0	Left Cheek	0mm	27710	2310	18.26	19.00	1.186	-0.14	0.259	0.307
	LTE Band 30_Ant 1	10M	QPSK	25	0	Left Cheek	0mm	27710	2310	18.23	19.00	1.194	-0.06	0.263	0.314
	LTE Band 30_Ant 1	10M	QPSK	1	0	Left Tilted	0mm	27710	2310	18.26	19.00	1.186	0.01	0.291	0.345
	LTE Band 30_Ant 1	10M	QPSK	25	0	Left Tilted	0mm	27710	2310	18.23	19.00	1.194	-0.12	0.299	0.357



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 0b	20M	QPSK	1	0	Right Cheek	0mm	132072	1720	24.61	24.75	1.033	-0.04	0.369	0.381
	LTE Band 66_Ant 0b	20M	QPSK	1	0	Right Cheek	0mm	132322	1745	24.60	24.75	1.035	0.02	0.365	0.378
	LTE Band 66_Ant 0b	20M	QPSK	1	0	Right Cheek	0mm	132572	1770	24.60	24.75	1.035	0.02	0.354	0.366
	LTE Band 66_Ant 0b	20M	QPSK	50	0	Right Cheek	0mm	132072	1720	23.72	23.75	1.007	0.05	0.304	0.306
	LTE Band 66_Ant 0b	20M	QPSK	1	0	Right Tilted	0mm	132072	1720	24.61	24.75	1.033	-0.05	0.139	0.144
	LTE Band 66_Ant 0b	20M	QPSK	50	0	Right Tilted	0mm	132072	1720	23.72	23.75	1.007	-0.02	0.111	0.112
	LTE Band 66_Ant 0b	20M	QPSK	1	0	Left Cheek	0mm	132072	1720	24.61	24.75	1.033	0	0.222	0.229
	LTE Band 66_Ant 0b	20M	QPSK	50	0	Left Cheek	0mm	132072	1720	23.72	23.75	1.007	0.02	0.181	0.182
	LTE Band 66_Ant 0b	20M	QPSK	1	0	Left Tilted	0mm	132072	1720	24.61	24.75	1.033	-0.01	0.175	0.181
	LTE Band 66_Ant 0b	20M	QPSK	50	0	Left Tilted	0mm	132072	1720	23.72	23.75	1.007	0.03	0.141	0.142
	LTE Band 66B_Ant 0b	15M	QPSK	1	0	Right Cheek	0mm	132322	1745	24.35	24.75	1.096	-0.03	0.345	0.378
	LTE Band 66C_Ant 0b	20M	QPSK	1	0	Right Cheek	0mm	132072	1720	24.37	24.75	1.091	-0.08	0.319	0.348
	LTE Band 66_Ant 0c	20M	QPSK	1	0	Right Cheek	0mm	132072	1720	24.61	24.75	1.033	-0.07	0.152	0.157
	LTE Band 66_Ant 0c	20M	QPSK	50	0	Right Cheek	0mm	132072	1720	23.72	23.75	1.007	0.01	0.130	0.131
	LTE Band 66_Ant 0c	20M	QPSK	1	0	Right Tilted	0mm	132072	1720	24.61	24.75	1.033	-0.06	0.106	0.109
	LTE Band 66_Ant 0c	20M	QPSK	50	0	Right Tilted	0mm	132072	1720	23.72	23.75	1.007	-0.03	0.090	0.091
	LTE Band 66_Ant 0c	20M	QPSK	1	0	Left Cheek	0mm	132072	1720	24.61	24.75	1.033	-0.03	0.291	0.301
	LTE Band 66_Ant 0c	20M	QPSK	1	0	Left Cheek	0mm	132322	1745	24.6	24.75	1.035	0.03	0.521	0.539
	LTE Band 66_Ant 0c	20M	QPSK	1	0	Left Cheek	0mm	132572	1770	24.6	24.75	1.035	0.02	0.536	0.555
	LTE Band 66_Ant 0c	20M	QPSK	50	0	Left Cheek	0mm	132072	1720	23.72	23.75	1.007	0	0.240	0.242
	LTE Band 66_Ant 0c	20M	QPSK	1	0	Left Tilted	0mm	132072	1720	24.61	24.75	1.033	-0.04	0.123	0.127
	LTE Band 66_Ant 0c	20M	QPSK	50	0	Left Tilted	0mm	132072	1720	23.72	23.75	1.007	-0.01	0.105	0.106
	LTE Band 66B_Ant 0c	15M	QPSK	1	0	Left Cheek	0mm	132322	1745	24.35	24.75	1.096	-0.15	0.469	0.514
	LTE Band 66C_Ant 0c	20M	QPSK	1	0	Left Cheek	0mm	132072	1720	24.37	24.75	1.091	-0.11	0.451	0.492
	LTE Band 66_Ant 1	20M	QPSK	1	99	Right Cheek	0mm	132572	1770	19.73	21.00	1.340	0.12	0.748	1.002
	LTE Band 66_Ant 1	20M	QPSK	1	99	Right Cheek	0mm	132072	1720	19.65	21.00	1.365	-0.03	0.546	0.745
	LTE Band 66_Ant 1	20M	QPSK	1	99	Right Cheek	0mm	132322	1745	19.72	21.00	1.343	-0.07	0.653	0.877
	LTE Band 66_Ant 1	20M	QPSK	50	0	Right Cheek	0mm	132572	1770	19.89	21.00	1.291	-0.01	0.762	0.984
	LTE Band 66_Ant 1	20M	QPSK	50	0	Right Cheek	0mm	132072	1720	19.87	21.00	1.297	-0.09	0.559	0.725
	LTE Band 66_Ant 1	20M	QPSK	50	0	Right Cheek	0mm	132322	1745	19.88	21.00	1.294	-0.06	0.589	0.762
	LTE Band 66_Ant 1	20M	QPSK	100	0	Right Cheek	0mm	132572	1770	19.84	21.00	1.306	-0.03	0.769	1.004
	LTE Band 66_Ant 1	20M	QPSK	1	99	Right Tilted	0mm	132572	1770	19.73	21.00	1.340	0.1	0.872	1.168
	LTE Band 66_Ant 1	20M	QPSK	1	99	Right Tilted	0mm	132072	1720	19.65	21.00	1.365	-0.09	0.640	0.873
	LTE Band 66_Ant 1	20M	QPSK	1	99	Right Tilted	0mm	132322	1745	19.72	21.00	1.343	0.18	0.767	1.030
	LTE Band 66_Ant 1	20M	QPSK	50	0	Right Tilted	0mm	132572	1770	19.89	21.00	1.291	-0.01	0.891	1.150
	LTE Band 66_Ant 1	20M	QPSK	50	0	Right Tilted	0mm	132072	1720	19.87	21.00	1.297	-0.03	0.670	0.869
	LTE Band 66_Ant 1	20M	QPSK	50	0	Right Tilted	0mm	132322	1745	19.88	21.00	1.294	-0.06	0.700	0.906
16	LTE Band 66_Ant 1	20M	QPSK	100	0	Right Tilted	0mm	132572	1770	19.84	21.00	1.306	0.1	0.917	1.198
	LTE Band 66_Ant 1	20M	QPSK	1	99	Left Cheek	0mm	132572	1770	19.73	21.00	1.340	-0.11	0.271	0.363
	LTE Band 66_Ant 1	20M	QPSK	50	0	Left Cheek	0mm	132572	1770	19.89	21.00	1.291	0.12	0.286	0.369
	LTE Band 66_Ant 1	20M	QPSK	1	99	Left Tilted	0mm	132572	1770	19.73	21.00	1.340	0.05	0.411	0.551
	LTE Band 66_Ant 1	20M	QPSK	50	0	Left Tilted	0mm	132572	1770	19.89	21.00	1.291	0.14	0.427	0.551
	LTE Band 66B_Ant 1	15M	QPSK	1	0	Right Tilted	0mm	132322	1745	19.82	21.00	1.312	0.19	0.901	1.182
	LTE Band 66C_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	132072	1720	19.81	21.00	1.315	-0.05	0.895	1.177
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 0b	20M	QPSK	1	0	Right Cheek	0mm	132072	1720	24.61	24.75	1.033	-0.04	0.369	0.381
	LTE Band 66_Ant 0b	20M	QPSK	1	0	Right Cheek	0mm	132322	1745	24.60	24.75	1.035	0.02	0.365	0.378
	LTE Band 66_Ant 0b	20M	QPSK	1	0	Right Cheek	0mm	132572	1770	24.60	24.75	1.035	0.02	0.354	0.366
	LTE Band 66_Ant 0b	20M	QPSK	50	0	Right Cheek	0mm	132072	1720	23.72	23.75	1.007	0.05	0.304	0.306
	LTE Band 66_Ant 0b	20M	QPSK	1	0	Right Tilted	0mm	132072	1720	24.61	24.75	1.033	-0.05	0.139	0.144
	LTE Band 66_Ant 0b	20M	QPSK	50	0	Right Tilted	0mm	132072	1720	23.72	23.75	1.007	-0.02	0.111	0.112
	LTE Band 66_Ant 0b	20M	QPSK	1	0	Left Cheek	0mm	132072	1720	24.61	24.75	1.033	0	0.222	0.229
	LTE Band 66_Ant 0b	20M	QPSK	50	0	Left Cheek	0mm	132072	1720	23.72	23.75	1.007	0.02	0.181	0.182
	LTE Band 66_Ant 0b	20M	QPSK	1	0	Left Tilted	0mm	132072	1720	24.61	24.75	1.033	-0.01	0.175	0.181
	LTE Band 66_Ant 0b	20M	QPSK	50	0	Left Tilted	0mm	132072	1720	23.72	23.75	1.007	0.03	0.141	0.142



**FCC SAR TEST REPORT**

**Report No. : FA8N0616-05A**

LTE Band 66B_Ant 0b	15M	QPSK	1	0	Right Cheek	0mm	132322	1745	24.35	24.75	1.096	-0.03	0.345	0.378
LTE Band 66C_Ant 0b	20M	QPSK	1	0	Right Cheek	0mm	132072	1720	24.37	24.75	1.091	-0.08	0.319	0.348
LTE Band 66_Ant 0c	20M	QPSK	1	0	Right Cheek	0mm	132072	1720	24.61	24.75	1.033	-0.07	0.152	0.157
LTE Band 66_Ant 0c	20M	QPSK	50	0	Right Cheek	0mm	132072	1720	23.72	23.75	1.007	0.01	0.130	0.131
LTE Band 66_Ant 0c	20M	QPSK	1	0	Right Tilted	0mm	132072	1720	24.61	24.75	1.033	-0.06	0.106	0.109
LTE Band 66_Ant 0c	20M	QPSK	50	0	Right Tilted	0mm	132072	1720	23.72	23.75	1.007	-0.03	0.090	0.091
LTE Band 66_Ant 0c	20M	QPSK	1	0	Left Cheek	0mm	132072	1720	24.61	24.75	1.033	-0.03	0.291	0.301
LTE Band 66_Ant 0c	20M	QPSK	1	0	Left Cheek	0mm	132322	1745	24.6	24.75	1.035	0.03	0.521	0.539
LTE Band 66_Ant 0c	20M	QPSK	1	0	Left Cheek	0mm	132572	1770	24.6	24.75	1.035	0.02	0.536	0.555
LTE Band 66_Ant 0c	20M	QPSK	50	0	Left Cheek	0mm	132072	1720	23.72	23.75	1.007	0	0.240	0.242
LTE Band 66_Ant 0c	20M	QPSK	1	0	Left Tilted	0mm	132072	1720	24.61	24.75	1.033	-0.04	0.123	0.127
LTE Band 66_Ant 0c	20M	QPSK	50	0	Left Tilted	0mm	132072	1720	23.72	23.75	1.007	-0.01	0.105	0.106
LTE Band 66B_Ant 0c	15M	QPSK	1	0	Left Cheek	0mm	132322	1745	24.35	24.75	1.096	-0.15	0.469	0.514
LTE Band 66C_Ant 0c	20M	QPSK	1	0	Left Cheek	0mm	132072	1720	24.37	24.75	1.091	-0.11	0.451	0.492
LTE Band 66_Ant 1	20M	QPSK	1	99	Right Cheek	0mm	132572	1770	19.73	20.00	1.064	0.12	0.748	0.796
LTE Band 66_Ant 1	20M	QPSK	1	99	Right Cheek	0mm	132072	1720	19.65	20.00	1.084	-0.03	0.546	0.592
LTE Band 66_Ant 1	20M	QPSK	1	99	Right Cheek	0mm	132322	1745	19.72	20.00	1.067	-0.07	0.653	0.696
LTE Band 66_Ant 1	20M	QPSK	50	0	Right Cheek	0mm	132572	1770	19.89	20.00	1.026	-0.01	0.762	0.782
LTE Band 66_Ant 1	20M	QPSK	50	0	Right Cheek	0mm	132072	1720	19.87	20.00	1.030	-0.09	0.559	0.576
LTE Band 66_Ant 1	20M	QPSK	50	0	Right Cheek	0mm	132322	1745	19.88	20.00	1.028	-0.06	0.589	0.606
LTE Band 66_Ant 1	20M	QPSK	100	0	Right Cheek	0mm	132572	1770	19.84	20.00	1.038	-0.03	0.769	0.798
LTE Band 66_Ant 1	20M	QPSK	1	99	Right Tilted	0mm	132572	1770	19.73	20.00	1.064	0.1	0.872	0.928
LTE Band 66_Ant 1	20M	QPSK	1	99	Right Tilted	0mm	132072	1720	19.65	20.00	1.084	-0.09	0.640	0.694
LTE Band 66_Ant 1	20M	QPSK	1	99	Right Tilted	0mm	132322	1745	19.72	20.00	1.067	0.18	0.767	0.818
LTE Band 66_Ant 1	20M	QPSK	50	0	Right Tilted	0mm	132572	1770	19.89	20.00	1.026	-0.01	0.891	0.914
LTE Band 66_Ant 1	20M	QPSK	50	0	Right Tilted	0mm	132072	1720	19.87	20.00	1.030	-0.03	0.670	0.690
LTE Band 66_Ant 1	20M	QPSK	50	0	Right Tilted	0mm	132322	1745	19.88	20.00	1.028	-0.06	0.700	0.720
LTE Band 66_Ant 1	20M	QPSK	100	0	Right Tilted	0mm	132572	1770	19.84	20.00	1.038	0.1	0.917	0.951
LTE Band 66_Ant 1	20M	QPSK	1	99	Left Cheek	0mm	132572	1770	19.73	20.00	1.064	-0.11	0.271	0.288
LTE Band 66_Ant 1	20M	QPSK	50	0	Left Cheek	0mm	132572	1770	19.89	20.00	1.026	0.12	0.286	0.293
LTE Band 66_Ant 1	20M	QPSK	1	99	Left Tilted	0mm	132572	1770	19.73	20.00	1.064	0.05	0.411	0.437
LTE Band 66_Ant 1	20M	QPSK	50	0	Left Tilted	0mm	132572	1770	19.89	20.00	1.026	0.14	0.427	0.438
LTE Band 66B_Ant 1	15M	QPSK	1	0	Right Tilted	0mm	132322	1745	19.82	20.00	1.042	0.19	0.901	0.939
LTE Band 66C_Ant 1	20M	QPSK	1	0	Right Tilted	0mm	132072	1720	19.81	20.00	1.045	-0.05	0.895	0.935



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 71_Ant 0A	20M	QPSK	1	0	Right Cheek	0mm	133297	680.5	24.78	25.00	1.052	0	0.182	0.191
	LTE Band 71_Ant 0A	20M	QPSK	50	50	Right Cheek	0mm	133297	680.5	23.88	24.00	1.028	0.03	0.174	0.179
	LTE Band 71_Ant 0A	20M	QPSK	1	0	Right Tilted	0mm	133297	680.5	24.78	25.00	1.052	-0.06	0.102	0.107
	LTE Band 71_Ant 0A	20M	QPSK	50	50	Right Tilted	0mm	133297	680.5	23.88	24.00	1.028	0.02	0.092	0.095
	LTE Band 71_Ant 0A	20M	QPSK	1	0	Left Cheek	0mm	133297	680.5	24.78	25.00	1.052	-0.02	0.204	0.215
	LTE Band 71_Ant 0A	20M	QPSK	50	50	Left Cheek	0mm	133297	680.5	23.88	24.00	1.028	-0.03	0.189	0.194
	LTE Band 71_Ant 0A	20M	QPSK	1	0	Left Tilted	0mm	133297	680.5	24.78	25.00	1.052	0	0.073	0.077
	LTE Band 71_Ant 0A	20M	QPSK	50	50	Left Tilted	0mm	133297	680.5	23.88	24.00	1.028	-0.04	0.067	0.069
	LTE Band 71_Ant 1	20M	QPSK	1	99	Right Cheek	0mm	133297	680.5	22.47	24.00	1.422	-0.01	0.759	1.080
17	LTE Band 71_Ant 1	20M	QPSK	50	50	Right Cheek	0mm	133297	680.5	22.66	24.00	1.361	0.11	0.836	1.138
	LTE Band 71_Ant 1	20M	QPSK	100	0	Right Cheek	0mm	133297	680.5	22.56	24.00	1.393	0.12	0.790	1.101
	LTE Band 71_Ant 1	20M	QPSK	1	99	Right Tilted	0mm	133297	680.5	22.47	24.00	1.422	-0.09	0.648	0.922
	LTE Band 71_Ant 1	20M	QPSK	50	50	Right Tilted	0mm	133297	680.5	22.66	24.00	1.361	0.08	0.685	0.933
	LTE Band 71_Ant 1	20M	QPSK	100	0	Right Tilted	0mm	133297	680.5	22.56	24.00	1.393	-0.13	0.670	0.933
	LTE Band 71_Ant 1	20M	QPSK	1	99	Left Cheek	0mm	133297	680.5	22.47	24.00	1.422	-0.03	0.480	0.683
	LTE Band 71_Ant 1	20M	QPSK	50	50	Left Cheek	0mm	133297	680.5	22.66	24.00	1.361	-0.04	0.492	0.670
	LTE Band 71_Ant 1	20M	QPSK	1	99	Left Tilted	0mm	133297	680.5	22.47	24.00	1.422	0	0.471	0.670
	LTE Band 71_Ant 1	20M	QPSK	50	50	Left Tilted	0mm	133297	680.5	22.66	24.00	1.361	-0.09	0.492	0.670
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 0A	20M	QPSK	1	0	Right Cheek	0mm	133297	680.5	24.78	25.00	1.052	0	0.182	0.191
	LTE Band 71_Ant 0A	20M	QPSK	50	50	Right Cheek	0mm	133297	680.5	23.88	24.00	1.028	0.03	0.174	0.179
	LTE Band 71_Ant 0A	20M	QPSK	1	0	Right Tilted	0mm	133297	680.5	24.78	25.00	1.052	-0.06	0.102	0.107
	LTE Band 71_Ant 0A	20M	QPSK	50	50	Right Tilted	0mm	133297	680.5	23.88	24.00	1.028	0.02	0.092	0.095
	LTE Band 71_Ant 0A	20M	QPSK	1	0	Left Cheek	0mm	133297	680.5	24.78	25.00	1.052	-0.02	0.204	0.215
	LTE Band 71_Ant 0A	20M	QPSK	50	50	Left Cheek	0mm	133297	680.5	23.88	24.00	1.028	-0.03	0.189	0.194
	LTE Band 71_Ant 0A	20M	QPSK	1	0	Left Tilted	0mm	133297	680.5	24.78	25.00	1.052	0	0.073	0.077
	LTE Band 71_Ant 0A	20M	QPSK	50	50	Left Tilted	0mm	133297	680.5	23.88	24.00	1.028	-0.04	0.067	0.069
	LTE Band 71_Ant 1	20M	QPSK	1	99	Right Cheek	0mm	133297	680.5	22.47	23.00	1.130	-0.01	0.759	0.858
	LTE Band 71_Ant 1	20M	QPSK	50	50	Right Cheek	0mm	133297	680.5	22.66	23.00	1.081	0.11	0.836	0.904
	LTE Band 71_Ant 1	20M	QPSK	100	0	Right Cheek	0mm	133297	680.5	22.56	23.00	1.107	0.12	0.790	0.874
	LTE Band 71_Ant 1	20M	QPSK	1	99	Right Tilted	0mm	133297	680.5	22.47	23.00	1.130	-0.09	0.648	0.732
	LTE Band 71_Ant 1	20M	QPSK	50	50	Right Tilted	0mm	133297	680.5	22.66	23.00	1.081	0.08	0.685	0.741
	LTE Band 71_Ant 1	20M	QPSK	100	0	Right Tilted	0mm	133297	680.5	22.56	23.00	1.107	-0.13	0.670	0.741
	LTE Band 71_Ant 1	20M	QPSK	1	99	Left Cheek	0mm	133297	680.5	22.47	23.00	1.130	-0.03	0.480	0.542
	LTE Band 71_Ant 1	20M	QPSK	50	50	Left Cheek	0mm	133297	680.5	22.66	23.00	1.081	-0.04	0.492	0.532
	LTE Band 71_Ant 1	20M	QPSK	1	99	Left Tilted	0mm	133297	680.5	22.47	23.00	1.130	0	0.471	0.532
	LTE Band 71_Ant 1	20M	QPSK	50	50	Left Tilted	0mm	133297	680.5	22.66	23.00	1.081	-0.09	0.492	0.532



<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	Right Cheek	0mm	41490	2680	24.37	24.80	1.104	62.9	1.006	0.13	0.694	0.771
		LTE Band 41_Ant 0b	20M	QPSK	1	99	Right Cheek	0mm	39750	2506	24.10	24.80	1.175	62.9	1.006	0.15	0.485	0.573
		LTE Band 41_Ant 0b	20M	QPSK	1	99	Right Cheek	0mm	40185	2549.5	24.12	24.80	1.169	62.9	1.006	-0.12	0.651	0.766
		LTE Band 41_Ant 0b	20M	QPSK	1	99	Right Cheek	0mm	40620	2593	24.26	24.80	1.132	62.9	1.006	0.12	0.674	0.768
		LTE Band 41_Ant 0b	20M	QPSK	1	99	Right Cheek	0mm	41055	2636.5	24.13	24.80	1.167	62.9	1.006	-0.1	0.651	0.764
		LTE Band 41_Ant 0b	20M	QPSK	50	50	Right Cheek	0mm	41490	2680	23.48	23.80	1.076	62.9	1.006	0.02	0.552	0.598
		LTE Band 41_Ant 0b	20M	QPSK	1	99	Right Tilted	0mm	41490	2680	24.37	24.80	1.104	62.9	1.006	-0.05	0.209	0.232
		LTE Band 41_Ant 0b	20M	QPSK	50	50	Right Tilted	0mm	41490	2680	23.48	23.80	1.076	62.9	1.006	-0.09	0.174	0.189
		LTE Band 41_Ant 0b	20M	QPSK	1	99	Left Cheek	0mm	41490	2680	24.37	24.80	1.104	62.9	1.006	0.04	0.370	0.411
		LTE Band 41_Ant 0b	20M	QPSK	50	50	Left Cheek	0mm	41490	2680	23.48	23.80	1.076	62.9	1.006	-0.01	0.307	0.333
		LTE Band 41_Ant 0b	20M	QPSK	1	99	Left Tilted	0mm	41490	2680	24.37	24.80	1.104	62.9	1.006	-0.03	0.331	0.367
		LTE Band 41_Ant 0b	20M	QPSK	50	50	Left Tilted	0mm	41490	2680	23.48	23.80	1.076	62.9	1.006	0.05	0.287	0.311
PC2		LTE Band 41_Ant 0b	20M	QPSK	1	99	Right Cheek	0mm	41490	2680	26.39	26.80	1.099	42.9	1.009	0.04	0.718	0.796
		LTE Band 41C_Ant 0b	20M	QPSK	1	0	Right Cheek	0mm	40185	2549.5	24.58	24.80	1.052	62.9	1.006	0.16	0.691	0.731
PC2		LTE Band 41C_Ant 0b	20M	QPSK	1	0	Right Cheek	0mm	40185	2549.5	26.49	26.80	1.074	42.9	1.009	0.11	0.731	0.792
		LTE Band 41_Ant 0c	20M	QPSK	1	99	Right Cheek	0mm	41490	2680	24.37	24.80	1.104	62.9	1.006	-0.17	0.295	0.328
		LTE Band 41_Ant 0c	20M	QPSK	50	50	Right Cheek	0mm	41490	2680	23.48	23.80	1.076	62.9	1.006	-0.11	0.233	0.252
		LTE Band 41_Ant 0c	20M	QPSK	1	99	Right Tilted	0mm	41490	2680	24.37	24.80	1.104	62.9	1.006	0.01	0.202	0.224
		LTE Band 41_Ant 0c	20M	QPSK	50	50	Right Tilted	0mm	41490	2680	23.48	23.80	1.076	62.9	1.006	-0.01	0.161	0.174
		LTE Band 41_Ant 0c	20M	QPSK	1	99	Left Cheek	0mm	41490	2680	24.37	24.80	1.104	62.9	1.006	-0.06	0.580	0.644
		LTE Band 41_Ant 0c	20M	QPSK	1	99	Left Cheek	0mm	39750	2506	24.10	24.80	1.175	62.9	1.006	0.05	0.427	0.505
		LTE Band 41_Ant 0c	20M	QPSK	1	99	Left Cheek	0mm	40185	2549.5	24.12	24.80	1.169	62.9	1.006	0	0.479	0.563
		LTE Band 41_Ant 0c	20M	QPSK	1	99	Left Cheek	0mm	40620	2593	24.26	24.80	1.132	62.9	1.006	0.11	0.531	0.605
		LTE Band 41_Ant 0c	20M	QPSK	1	99	Left Cheek	0mm	41055	2636.5	24.13	24.80	1.167	62.9	1.006	0.05	0.546	0.641
PC2		LTE Band 41_Ant 0c	20M	QPSK	1	99	Left Cheek	0mm	41490	2680	26.39	26.80	1.099	42.9	1.009	0.08	0.683	0.757
		LTE Band 41_Ant 0c	20M	QPSK	50	50	Left Cheek	0mm	41490	2680	23.48	23.80	1.076	62.9	1.006	0.08	0.450	0.487
		LTE Band 41_Ant 0c	20M	QPSK	1	99	Left Tilted	0mm	41490	2680	24.37	24.80	1.104	62.9	1.006	0.06	0.142	0.157
		LTE Band 41_Ant 0c	20M	QPSK	50	50	Left Tilted	0mm	41490	2680	23.48	23.80	1.076	62.9	1.006	0.07	0.107	0.116
		LTE Band 41C_Ant 0c	20M	QPSK	1	0	Left Cheek	0mm	40185	2549.5	24.58	24.80	1.052	62.9	1.006	0.11	0.531	0.562
PC2		LTE Band 41C_Ant 0c	20M	QPSK	1	0	Left Cheek	0mm	40185	2549.5	26.49	26.80	1.074	42.9	1.009	0.05	0.641	0.695
		LTE Band 41_Ant 1	20M	QPSK	1	99	Right Cheek	0mm	41490	2680	19.97	21.50	1.422	62.9	1.006	0.01	0.523	0.748
		LTE Band 41_Ant 1	20M	QPSK	1	99	Right Cheek	0mm	39750	2506	19.96	21.50	1.426	62.9	1.006	-0.17	0.753	1.080
		LTE Band 41_Ant 1	20M	QPSK	1	99	Right Cheek	0mm	40185	2549.5	19.86	21.50	1.459	62.9	1.006	-0.01	0.676	0.993
		LTE Band 41_Ant 1	20M	QPSK	1	99	Right Cheek	0mm	40620	2593	19.87	21.50	1.455	62.9	1.006	-0.17	0.548	0.803
		LTE Band 41_Ant 1	20M	QPSK	1	99	Right Cheek	0mm	41055	2636.5	19.71	21.50	1.510	62.9	1.006	-0.12	0.478	0.726
		LTE Band 41_Ant 1	20M	QPSK	50	50	Right Cheek	0mm	41490	2680	20.07	21.50	1.390	62.9	1.006	-0.08	0.581	0.813
18		LTE Band 41_Ant 1	20M	QPSK	50	50	Right Cheek	0mm	39750	2506	20.04	21.50	1.400	62.9	1.006	-0.14	0.795	1.119
		LTE Band 41_Ant 1	20M	QPSK	50	50	Right Cheek	0mm	40185	2549.5	19.97	21.50	1.422	62.9	1.006	0.05	0.691	0.989
		LTE Band 41_Ant 1	20M	QPSK	50	50	Right Cheek	0mm	40620	2593	20.01	21.50	1.409	62.9	1.006	0.11	0.569	0.807
		LTE Band 41_Ant 1	20M	QPSK	50	50	Right Cheek	0mm	41055	2636.5	19.89	21.50	1.449	62.9	1.006	-0.08	0.493	0.719
		LTE Band 41_Ant 1	20M	QPSK	100	0	Right Cheek	0mm	41490	2680	20.05	21.50	1.396	62.9	1.006	-0.18	0.575	0.808
		LTE Band 41_Ant 1	20M	QPSK	1	99	Right Tilted	0mm	41490	2680	19.97	21.50	1.422	62.9	1.006	-0.08	0.390	0.557
		LTE Band 41_Ant 1	20M	QPSK	50	50	Right Tilted	0mm	41490	2680	20.07	21.50	1.390	62.9	1.006	-0.08	0.404	0.564
		LTE Band 41_Ant 1	20M	QPSK	1	99	Left Cheek	0mm	41490	2680	19.97	21.50	1.422	62.9	1.006	0.06	0.177	0.253
		LTE Band 41_Ant 1	20M	QPSK	50	50	Left Cheek	0mm	41490	2680	20.07	21.50	1.390	62.9	1.006	0.08	0.182	0.254
		LTE Band 41_Ant 1	20M	QPSK	1	99	Left Tilted	0mm	41490	2680	19.97	21.50	1.422	62.9	1.006	0.09	0.138	0.197
		LTE Band 41_Ant 1	20M	QPSK	50	50	Left Tilted	0mm	41490	2680	20.07	21.50	1.390	62.9	1.006	0.07	0.144	0.201
PC2		LTE Band 41_Ant 1	20M	QPSK	50	50	Right Cheek	0mm	39750	2506	22.00	23.50	1.413	42.9	1.009	0.01	0.784	1.117
		LTE Band 41C_Ant 1	20M	QPSK	1	0	Right Cheek	0mm	40185	2549.5	20.03	21.50	1.403	62.9	1.006	-0.02	0.732	1.033
PC2		LTE Band 41C_Ant 1	20M	QPSK	1	0	Right Cheek	0mm	40185	2549.5	21.91	23.50	1.442	42.9	1.009	0.19	0.760	1.106
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 0b	20M	QPSK	1	99	Right Cheek	0mm	41490	2680	24.37	24.80	1.104	62.9	1.006	0.13	0.694	0.771
		LTE Band 41_Ant 0b	20M	QPSK	1	99	Right Cheek	0mm	39750	2506	24.10	24.80	1.175	62.9	1.006	0.15	0.485	0.573
		LTE Band 41_Ant 0b	20M	QPSK	1	99	Right Cheek	0mm	40185	2549.5	24.12	24.80	1.169	62.9	1.006	-0.12	0.651	0.766





**FCC SAR TEST REPORT**

**Report No. : FA8N0616-05A**

		LTE Band 41_Ant 0b	20M	QPSK	1	99	Right Cheek	0mm	40620	2593	24.26	24.80	1.132	62.9	1.006	0.12	0.674	0.768
		LTE Band 41_Ant 0b	20M	QPSK	1	99	Right Cheek	0mm	41055	2636.5	24.13	24.80	1.167	62.9	1.006	-0.1	0.651	0.764
		LTE Band 41_Ant 0b	20M	QPSK	50	50	Right Cheek	0mm	41490	2680	23.48	23.80	1.076	62.9	1.006	0.02	0.552	0.598
		LTE Band 41_Ant 0b	20M	QPSK	1	99	Right Tilted	0mm	41490	2680	24.37	24.80	1.104	62.9	1.006	-0.05	0.209	0.232
		LTE Band 41_Ant 0b	20M	QPSK	50	50	Right Tilted	0mm	41490	2680	23.48	23.80	1.076	62.9	1.006	-0.09	0.174	0.189
		LTE Band 41_Ant 0b	20M	QPSK	1	99	Left Cheek	0mm	41490	2680	24.37	24.80	1.104	62.9	1.006	0.04	0.370	0.411
		LTE Band 41_Ant 0b	20M	QPSK	50	50	Left Cheek	0mm	41490	2680	23.48	23.80	1.076	62.9	1.006	-0.01	0.307	0.333
		LTE Band 41_Ant 0b	20M	QPSK	1	99	Left Tilted	0mm	41490	2680	24.37	24.80	1.104	62.9	1.006	-0.03	0.331	0.367
		LTE Band 41_Ant 0b	20M	QPSK	50	50	Left Tilted	0mm	41490	2680	23.48	23.80	1.076	62.9	1.006	0.05	0.287	0.311
PC2		LTE Band 41_Ant 0b	20M	QPSK	1	99	Right Cheek	0mm	41490	2680	26.39	26.80	1.099	42.9	1.009	0.04	0.718	0.796
		LTE Band 41C_Ant 0b	20M	QPSK	1	0	Right Cheek	0mm	40185	2549.5	24.58	24.80	1.052	62.9	1.006	0.16	0.691	0.731
PC2		LTE Band 41C_Ant 0b	20M	QPSK	1	0	Right Cheek	0mm	40185	2549.5	26.49	26.80	1.074	42.9	1.009	0.11	0.731	0.792
		LTE Band 41_Ant 0c	20M	QPSK	1	99	Right Cheek	0mm	41490	2680	24.37	24.80	1.104	62.9	1.006	-0.17	0.295	0.328
		LTE Band 41_Ant 0c	20M	QPSK	50	50	Right Cheek	0mm	41490	2680	23.48	23.80	1.076	62.9	1.006	-0.11	0.233	0.252
		LTE Band 41_Ant 0c	20M	QPSK	1	99	Right Tilted	0mm	41490	2680	24.37	24.80	1.104	62.9	1.006	0.01	0.202	0.224
		LTE Band 41_Ant 0c	20M	QPSK	50	50	Right Tilted	0mm	41490	2680	23.48	23.80	1.076	62.9	1.006	-0.01	0.161	0.174
		LTE Band 41_Ant 0c	20M	QPSK	1	99	Left Cheek	0mm	41490	2680	24.37	24.80	1.104	62.9	1.006	-0.06	0.580	0.644
		LTE Band 41_Ant 0c	20M	QPSK	1	99	Left Cheek	0mm	39750	2506	24.10	24.80	1.175	62.9	1.006	0.05	0.427	0.505
		LTE Band 41_Ant 0c	20M	QPSK	1	99	Left Cheek	0mm	40185	2549.5	24.12	24.80	1.169	62.9	1.006	0	0.479	0.563
		LTE Band 41_Ant 0c	20M	QPSK	1	99	Left Cheek	0mm	40620	2593	24.26	24.80	1.132	62.9	1.006	0.11	0.531	0.605
		LTE Band 41_Ant 0c	20M	QPSK	1	99	Left Cheek	0mm	41055	2636.5	24.13	24.80	1.167	62.9	1.006	0.05	0.546	0.641
PC2		LTE Band 41_Ant 0c	20M	QPSK	1	99	Left Cheek	0mm	41490	2680	26.39	26.80	1.099	42.9	1.009	0.08	0.683	0.757
		LTE Band 41_Ant 0c	20M	QPSK	50	50	Left Cheek	0mm	41490	2680	23.48	23.80	1.076	62.9	1.006	0.08	0.450	0.487
		LTE Band 41_Ant 0c	20M	QPSK	1	99	Left Tilted	0mm	41490	2680	24.37	24.80	1.104	62.9	1.006	0.06	0.142	0.157
		LTE Band 41_Ant 0c	20M	QPSK	50	50	Left Tilted	0mm	41490	2680	23.48	23.80	1.076	62.9	1.006	0.07	0.107	0.116
		LTE Band 41C_Ant 0c	20M	QPSK	1	0	Left Cheek	0mm	40185	2549.5	24.58	24.80	1.052	62.9	1.006	0.11	0.531	0.562
PC2		LTE Band 41C_Ant 0c	20M	QPSK	1	0	Left Cheek	0mm	40185	2549.5	26.49	26.80	1.074	42.9	1.009	0.05	0.641	0.695
		LTE Band 41_Ant 1	20M	QPSK	1	99	Right Cheek	0mm	41490	2680	19.97	20.50	1.130	62.9	1.006	0.01	0.523	0.594
		LTE Band 41_Ant 1	20M	QPSK	1	99	Right Cheek	0mm	39750	2506	19.96	20.50	1.132	62.9	1.006	-0.17	0.753	0.858
		LTE Band 41_Ant 1	20M	QPSK	1	99	Right Cheek	0mm	40185	2549.5	19.86	20.50	1.159	62.9	1.006	-0.01	0.676	0.788
		LTE Band 41_Ant 1	20M	QPSK	1	99	Right Cheek	0mm	40620	2593	19.87	20.50	1.156	62.9	1.006	-0.17	0.548	0.638
		LTE Band 41_Ant 1	20M	QPSK	1	99	Right Cheek	0mm	41055	2636.5	19.71	20.50	1.199	62.9	1.006	-0.12	0.478	0.576
		LTE Band 41_Ant 1	20M	QPSK	50	50	Right Cheek	0mm	41490	2680	20.07	20.50	1.104	62.9	1.006	-0.08	0.581	0.646
		LTE Band 41_Ant 1	20M	QPSK	50	50	Right Cheek	0mm	39750	2506	20.04	20.50	1.112	62.9	1.006	-0.14	0.795	0.889
		LTE Band 41_Ant 1	20M	QPSK	50	50	Right Cheek	0mm	40185	2549.5	19.97	20.50	1.130	62.9	1.006	0.05	0.691	0.785
		LTE Band 41_Ant 1	20M	QPSK	50	50	Right Cheek	0mm	40620	2593	20.01	20.50	1.119	62.9	1.006	0.11	0.569	0.641
		LTE Band 41_Ant 1	20M	QPSK	50	50	Right Cheek	0mm	41055	2636.5	19.89	20.50	1.151	62.9	1.006	-0.08	0.493	0.571
		LTE Band 41_Ant 1	20M	QPSK	100	0	Right Cheek	0mm	41490	2680	20.05	20.50	1.109	62.9	1.006	-0.18	0.575	0.642
		LTE Band 41_Ant 1	20M	QPSK	1	99	Right Tilted	0mm	41490	2680	19.97	20.50	1.130	62.9	1.006	-0.08	0.390	0.443
		LTE Band 41_Ant 1	20M	QPSK	50	50	Right Tilted	0mm	41490	2680	20.07	20.50	1.104	62.9	1.006	-0.08	0.404	0.448
		LTE Band 41_Ant 1	20M	QPSK	1	99	Left Cheek	0mm	41490	2680	19.97	20.50	1.130	62.9	1.006	0.06	0.177	0.201
		LTE Band 41_Ant 1	20M	QPSK	50	50	Left Cheek	0mm	41490	2680	20.07	20.50	1.104	62.9	1.006	0.08	0.182	0.202
		LTE Band 41_Ant 1	20M	QPSK	1	99	Left Tilted	0mm	41490	2680	19.97	20.50	1.130	62.9	1.006	0.09	0.138	0.157
		LTE Band 41_Ant 1	20M	QPSK	50	50	Left Tilted	0mm	41490	2680	20.07	20.50	1.104	62.9	1.006	0.07	0.144	0.160
PC2		LTE Band 41_Ant 1	20M	QPSK	50	50	Right Cheek	0mm	39750	2506	22.00	22.50	1.122	42.9	1.009	0.01	0.784	0.888
		LTE Band 41C_Ant 1	20M	QPSK	1	0	Right Cheek	0mm	40185	2549.5	20.03	20.50	1.114	62.9	1.006	-0.02	0.732	0.821
PC2		LTE Band 41C_Ant 1	20M	QPSK	1	0	Right Cheek	0mm	40185	2549.5	21.91	22.50	1.146	42.9	1.009	0.19	0.760	0.878



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 0b	20M	QPSK	1	49	Right Cheek	0mm	56640	3690	22.52	23.00	1.117	62.9	1.006	0.13	0.148	0.166
19	LTE Band 48_Ant 0b	20M	QPSK	1	49	Right Cheek	0mm	55340	3560	22.51	23.00	1.119	62.9	1.006	0.08	0.218	0.246
	LTE Band 48_Ant 0b	20M	QPSK	1	49	Right Cheek	0mm	55830	3609	22.36	23.00	1.159	62.9	1.006	-0.17	0.164	0.191
	LTE Band 48_Ant 0b	20M	QPSK	1	49	Right Cheek	0mm	56150	3641	22.14	23.00	1.219	62.9	1.006	0.02	0.169	0.207
	LTE Band 48_Ant 0b	20M	QPSK	50	24	Right Cheek	0mm	56640	3690	21.64	22.00	1.086	62.9	1.006	0.03	0.133	0.145
	LTE Band 48_Ant 0b	20M	QPSK	1	49	Right Tilted	0mm	56640	3690	22.52	23.00	1.117	62.9	1.006	-0.11	0.027	0.030
	LTE Band 48_Ant 0b	20M	QPSK	50	24	Right Tilted	0mm	56640	3690	21.64	22.00	1.086	62.9	1.006	-0.05	0.019	0.021
	LTE Band 48_Ant 0b	20M	QPSK	1	49	Left Cheek	0mm	56640	3690	22.52	23.00	1.117	62.9	1.006	0.05	0.080	0.090
	LTE Band 48_Ant 0b	20M	QPSK	50	24	Left Cheek	0mm	56640	3690	21.64	22.00	1.086	62.9	1.006	-0.05	0.068	0.074
	LTE Band 48_Ant 0b	20M	QPSK	1	49	Left Tilted	0mm	56640	3690	22.52	23.00	1.117	62.9	1.006	0.14	0.055	0.062
	LTE Band 48_Ant 0b	20M	QPSK	50	24	Left Tilted	0mm	56640	3690	21.64	22.00	1.086	62.9	1.006	-0.08	0.043	0.047
	LTE Band 48C_Ant 0b	20M	QPSK	1	0	Right Cheek	0mm	55830	3609	22.00	23.00	1.259	62.9	1.006	0.02	0.191	0.242
	LTE Band 48_Ant 0c	20M	QPSK	1	49	Right Cheek	0mm	56640	3690	22.52	23.00	1.117	62.9	1.006	-0.11	0.010	0.011
	LTE Band 48_Ant 0c	20M	QPSK	50	24	Right Cheek	0mm	56640	3690	21.64	22.00	1.086	62.9	1.006	-0.16	0.006	0.007
	LTE Band 48_Ant 0c	20M	QPSK	1	49	Right Tilted	0mm	56640	3690	22.52	23.00	1.117	62.9	1.006	0	0.001	0.001
	LTE Band 48_Ant 0c	20M	QPSK	50	24	Right Tilted	0mm	56640	3690	21.64	22.00	1.086	62.9	1.006	0	0.001	0.001
	LTE Band 48_Ant 0c	20M	QPSK	1	49	Left Cheek	0mm	56640	3690	22.52	23.00	1.117	62.9	1.006	0.17	0.018	0.020
	LTE Band 48_Ant 0c	20M	QPSK	1	49	Left Cheek	0mm	55340	3560	22.51	23.00	1.119	62.9	1.006	0.13	0.073	0.082
	LTE Band 48_Ant 0c	20M	QPSK	1	49	Left Cheek	0mm	55830	3609	22.36	23.00	1.159	62.9	1.006	-0.11	0.036	0.042
	LTE Band 48_Ant 0c	20M	QPSK	1	49	Left Cheek	0mm	56150	3641	22.14	23.00	1.219	62.9	1.006	-0.09	0.021	0.026
	LTE Band 48_Ant 0c	20M	QPSK	50	24	Left Cheek	0mm	56640	3690	21.64	22.00	1.086	62.9	1.006	0.16	0.010	0.011
	LTE Band 48_Ant 0c	20M	QPSK	1	49	Left Tilted	0mm	56640	3690	22.52	23.00	1.117	62.9	1.006	0.13	0.005	0.005
	LTE Band 48_Ant 0c	20M	QPSK	50	24	Left Tilted	0mm	56640	3690	21.64	22.00	1.086	62.9	1.006	-0.18	0.002	0.002
	LTE Band 48C_Ant 0c	20M	QPSK	1	0	Left Cheek	0mm	55830	3609	22.00	23.00	1.259	62.9	1.006	0.05	0.061	0.077



<WLAN SAR>

Standalone / 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	1	2412	13.8	14	1.047	99.52	1.005	0.04	0.269	0.283
	WLAN2.4GHZ	802.11b 1Mbps	Right Tilted	0mm	Ant 2	1	2412	13.8	14	1.047	99.52	1.005	0.14	0.085	0.089
	WLAN2.4GHZ	802.11b 1Mbps	Left Cheek	0mm	Ant 2	1	2412	13.8	14	1.047	99.52	1.005	0.08	0.131	0.138
	WLAN2.4GHZ	802.11b 1Mbps	Left Tilted	0mm	Ant 2	1	2412	13.8	14	1.047	99.52	1.005	0.18	0.046	0.048
	WLAN2.4GHZ	802.11b 1Mbps	Right Cheek	0mm	Ant 3	11	2462	14.5	14.5	1.000	99.28	1.007	0.09	0.146	0.147
	WLAN2.4GHZ	802.11b 1Mbps	Right Tilted	0mm	Ant 3	11	2462	14.5	14.5	1.000	99.28	1.007	0.01	0.121	0.122
	WLAN2.4GHZ	802.11b 1Mbps	Left Cheek	0mm	Ant 3	11	2462	14.5	14.5	1.000	99.28	1.007	0.18	0.549	0.553
	WLAN2.4GHZ	802.11b 1Mbps	Left Cheek	0mm	Ant 3	1	2412	14.40	14.5	1.023	99.28	1.007	0.13	0.418	0.431
	WLAN2.4GHZ	802.11b 1Mbps	Left Cheek	0mm	Ant 3	6	2437	14.40	14.5	1.023	99.28	1.007	0.02	0.488	0.503
20	WLAN2.4GHZ	802.11b 1Mbps	Left Cheek	0mm	Ant 3	12	2467	14.20	14.5	1.072	99.28	1.007	0.14	0.554	0.598
	WLAN2.4GHZ	802.11b 1Mbps	Left Cheek	0mm	Ant 3	13	2472	13.60	14.5	1.230	99.28	1.007	0.03	0.477	0.591
	WLAN2.4GHZ	802.11b 1Mbps	Left Tilted	0mm	Ant 3	11	2462	14.5	14.5	1.000	99.28	1.007	0.03	0.388	0.391
	WLAN2.4GHZ	802.11b 1Mbps	Right Cheek	0mm	Ant 2+3(2)	1	2412	15.6	16	1.096	99.2	1.008	-0.03	0.500	0.553
	WLAN2.4GHZ	802.11b 1Mbps	Right Cheek	0mm	Ant 2+3(3)	1	2412	13.81	15	1.315	99.2	1.008	-0.03	0.082	0.109
	WLAN2.4GHZ	802.11b 1Mbps	Right Cheek	0mm	Ant 2+3(2)	6	2437	15.54	16.00	1.112	99.2	1.008	0.01	0.417	0.467
	WLAN2.4GHZ	802.11b 1Mbps	Right Cheek	0mm	Ant 2+3(3)	6	2437	13.73	15.00	1.340	99.2	1.008	0.01	0.064	0.086
	WLAN2.4GHZ	802.11b 1Mbps	Right Cheek	0mm	Ant 2+3(2)	11	2462	15.40	16.00	1.148	99.2	1.008	0.1	0.433	0.501
	WLAN2.4GHZ	802.11b 1Mbps	Right Cheek	0mm	Ant 2+3(3)	11	2462	13.61	15.00	1.377	99.2	1.008	0.1	0.066	0.092
	WLAN2.4GHZ	802.11b 1Mbps	Right Cheek	0mm	Ant 2+3(2)	12	2467	15.55	16.00	1.109	99.2	1.008	0.13	0.471	0.527
	WLAN2.4GHZ	802.11b 1Mbps	Right Cheek	0mm	Ant 2+3(3)	12	2467	13.71	15.00	1.346	99.2	1.008	0.13	0.073	0.099
	WLAN2.4GHZ	802.11b 1Mbps	Right Tilted	0mm	Ant 2+3(2)	1	2412	15.6	16	1.096	99.2	1.008	0.08	0.424	0.469
	WLAN2.4GHZ	802.11b 1Mbps	Right Tilted	0mm	Ant 2+3(3)	1	2412	13.81	15	1.315	99.2	1.008	0.08	0.091	0.121
	WLAN2.4GHZ	802.11b 1Mbps	Left Cheek	0mm	Ant 2+3(2)	1	2412	15.6	16	1.096	99.2	1.008	-0.08	0.242	0.267
	WLAN2.4GHZ	802.11b 1Mbps	Left Cheek	0mm	Ant 2+3(3)	1	2412	13.81	15	1.315	99.2	1.008	-0.08	0.413	0.548
	WLAN2.4GHZ	802.11b 1Mbps	Left Tilted	0mm	Ant 2+3(2)	1	2412	15.6	16	1.096	99.2	1.008	0.13	0.224	0.248
	WLAN2.4GHZ	802.11b 1Mbps	Left Tilted	0mm	Ant 2+3(3)	1	2412	13.81	15	1.315	99.2	1.008	0.13	0.316	0.419



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)
21	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 2	58	5290	12.00	13.50	1.413	91.67	1.091	-0.15	0.324	0.499
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 2	58	5290	12.00	13.50	1.413	91.67	1.091	0.04	0.097	0.149
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 2	58	5290	12.00	13.50	1.413	91.67	1.091	-0.05	0.059	0.091
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 2	58	5290	12.00	13.50	1.413	91.67	1.091	0.01	0.049	0.076
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 5	58	5290	14.40	14.50	1.023	90.87	1.100	-0.05	0.240	0.270
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 5	58	5290	14.40	14.50	1.023	90.87	1.100	0.06	0.159	0.179
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5	58	5290	14.40	14.50	1.023	90.87	1.100	-0.08	0.097	0.109
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 5	58	5290	14.40	14.50	1.023	90.87	1.100	-0.19	0.094	0.106
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 2	58	5290	12.00	13.50	1.413	91.67	1.091	-0.15	0.324	0.499
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 2	58	5290	12.00	13.50	1.413	91.67	1.091	0.04	0.097	0.149
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 2	58	5290	12.00	13.50	1.413	91.67	1.091	-0.05	0.059	0.091
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 2	58	5290	12.00	13.50	1.413	91.67	1.091	0.01	0.049	0.076
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 5	58	5290	14.40	14.50	1.023	90.87	1.100	-0.05	0.240	0.270
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 5	58	5290	14.40	14.50	1.023	90.87	1.100	0.06	0.159	0.179
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5	58	5290	14.40	14.50	1.023	90.87	1.100	-0.08	0.097	0.109
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 5	58	5290	14.40	14.50	1.023	90.87	1.100	-0.19	0.094	0.106
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 2+5(2)	58	5290	10.65	12	1.365	92.15	1.085	-0.08	0.309	0.457
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 2+5(5)	58	5290	14.34	14.5	1.038	92.15	1.085	-0.08	0.392	0.441
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 2+5(2)	58	5290	10.65	12	1.365	92.15	1.085	0.01	0.131	0.194
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 2+5(5)	58	5290	14.34	14.5	1.038	92.15	1.085	0.01	0.234	0.263
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 2+5(2)	58	5290	10.65	12	1.365	92.15	1.085	-0.07	0.079	0.117
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 2+5(5)	58	5290	14.34	14.5	1.038	92.15	1.085	-0.07	0.142	0.160
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 2+5(2)	58	5290	10.65	12	1.365	92.15	1.085	0.14	0.083	0.123
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 2+5(5)	58	5290	14.34	14.5	1.038	92.15	1.085	0.14	0.146	0.164



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 2	122	5690	13.90	14.50	1.148	91.67	1.091	0.13	0.357	0.447
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 2	106	5530	13.70	14.50	1.202	91.67	1.091	0.08	0.286	0.375
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 2	138	5690	13.60	14.50	1.230	91.67	1.091	0.15	0.202	0.271
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 2	122	5690	13.90	14.50	1.148	91.67	1.091	0.13	0.134	0.168
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 2	122	5690	13.90	14.50	1.148	91.67	1.091	0.07	0.063	0.079
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 2	122	5690	13.90	14.50	1.148	91.67	1.091	-0.09	0.063	0.079
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 5	122	5610	15.40	15.50	1.023	90.87	1.100	0.03	0.233	0.262
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 5	122	5610	15.40	15.50	1.023	90.87	1.100	0.02	0.192	0.216
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5	122	5610	15.40	15.50	1.023	90.87	1.100	0.15	0.140	0.158
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 5	122	5610	15.40	15.50	1.023	90.87	1.100	0.14	0.130	0.146
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 2	122	5690	13.90	14.50	1.148	91.67	1.091	0.13	0.357	0.447
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 2	106	5530	13.70	14.50	1.202	91.67	1.091	0.08	0.286	0.375
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 2	138	5690	13.60	14.50	1.230	91.67	1.091	0.15	0.202	0.271
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 2	122	5690	13.90	14.50	1.148	91.67	1.091	0.13	0.134	0.168
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 2	122	5690	13.90	14.50	1.148	91.67	1.091	0.07	0.063	0.079
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 2	122	5690	13.90	14.50	1.148	91.67	1.091	-0.09	0.063	0.079
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 5	122	5610	15.40	15.50	1.023	90.87	1.100	0.03	0.233	0.262
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 5	122	5610	15.40	15.50	1.023	90.87	1.100	0.02	0.192	0.216
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5	122	5610	15.40	15.50	1.023	90.87	1.100	0.15	0.140	0.158
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 5	122	5610	15.40	15.50	1.023	90.87	1.100	0.14	0.130	0.146
22	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 2+5(2)	122	5610	11.23	11.5	1.064	92.15	1.085	0.04	0.403	0.465
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 2+5(5)	122	5610	14.32	14.5	1.042	92.15	1.085	0.04	0.399	0.451
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 2+5(2)	106	5530	10.89	11.5	1.151	92.15	1.085	0.02	0.326	0.407
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 2+5(5)	106	5530	14.48	14.5	1.005	92.15	1.085	0.02	0.361	0.393
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 2+5(2)	138	5690	10.83	11.5	1.167	92.15	1.085	-0.16	0.274	0.347
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 2+5(5)	138	5690	14.33	14.5	1.040	92.15	1.085	-0.16	0.338	0.381
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 2+5(2)	122	5610	11.23	11.5	1.064	92.15	1.085	0.08	0.162	0.187
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 2+5(5)	122	5610	14.32	14.5	1.042	92.15	1.085	0.08	0.321	0.363
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 2+5(2)	122	5610	11.23	11.5	1.064	92.15	1.085	0.13	0.091	0.105
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 2+5(5)	122	5610	14.32	14.5	1.042	92.15	1.085	0.13	0.283	0.320
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 2+5(2)	122	5610	11.23	11.5	1.064	92.15	1.085	0.05	0.103	0.119
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 2+5(5)	122	5610	14.32	14.5	1.042	92.15	1.085	0.05	0.277	0.313



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 2	155	5775	12.40	14.00	1.445	91.67	1.091	-0.05	0.259	0.408
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 2	155	5775	12.40	14.00	1.445	91.67	1.091	0.07	0.066	0.104
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 2	155	5775	12.40	14.00	1.445	91.67	1.091	0.08	0.057	0.090
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 2	155	5775	12.40	14.00	1.445	91.67	1.091	0.01	0.040	0.063
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 5	155	5775	15.80	16.00	1.047	90.87	1.100	0.1	0.258	0.297
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 5	155	5775	15.80	16.00	1.047	90.87	1.100	0.14	0.223	0.257
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5	155	5775	15.80	16.00	1.047	90.87	1.100	-0.06	0.194	0.223
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 5	155	5775	15.80	16.00	1.047	90.87	1.100	-0.06	0.157	0.181
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 2	155	5775	12.40	14.00	1.445	91.67	1.091	-0.05	0.259	0.408
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 2	155	5775	12.40	14.00	1.445	91.67	1.091	0.07	0.066	0.104
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 2	155	5775	12.40	14.00	1.445	91.67	1.091	0.08	0.057	0.090
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 2	155	5775	12.40	14.00	1.445	91.67	1.091	0.01	0.040	0.063
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 5	155	5775	15.80	16.00	1.047	90.87	1.100	0.1	0.258	0.297
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 5	155	5775	15.80	16.00	1.047	90.87	1.100	0.14	0.223	0.257
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 5	155	5775	15.80	16.00	1.047	90.87	1.100	-0.06	0.194	0.223
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 5	155	5775	15.80	16.00	1.047	90.87	1.100	-0.06	0.157	0.181
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 2+5(2)	155	5775	11.07	11.5	1.104	92.15	1.085	0.17	0.381	0.456
23	WLAN5GHz	802.11ac-VHT80 MCS0	Right Cheek	0mm	Ant 2+5(5)	155	5775	15.11	15.5	1.094	92.15	1.085	0.17	0.387	0.459
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 2+5(2)	155	5775	11.07	11.5	1.104	92.15	1.085	0.01	0.124	0.149
	WLAN5GHz	802.11ac-VHT80 MCS0	Right Tilted	0mm	Ant 2+5(5)	155	5775	15.11	15.5	1.094	92.15	1.085	0.01	0.302	0.358
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 2+5(2)	155	5775	11.07	11.5	1.104	92.15	1.085	0.06	0.118	0.141
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Cheek	0mm	Ant 2+5(5)	155	5775	15.11	15.5	1.094	92.15	1.085	0.06	0.276	0.328
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 2+5(2)	155	5775	11.07	11.5	1.104	92.15	1.085	-0.08	0.091	0.109
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Tilted	0mm	Ant 2+5(5)	155	5775	15.11	15.5	1.094	92.15	1.085	-0.08	0.227	0.269

<Bluetooth SAR>

Standalone / 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	11.40	12.50	1.288	76.84	1.301	0.13	0.074	0.124
	Bluetooth	1Mbps	Right Cheek	0mm	Ant 2	0	2402	11.10	12.50	1.380	76.84	1.301	-0.19	0.065	0.117
	Bluetooth	1Mbps	Right Cheek	0mm	Ant 2	78	2480	10.90	12.50	1.445	76.84	1.301	0.15	0.063	0.118
	Bluetooth	1Mbps	Right Tilted	0mm	Ant 2	39	2441	11.40	12.50	1.288	76.84	1.301	0.03	0.021	0.035
	Bluetooth	1Mbps	Left Cheek	0mm	Ant 2	39	2441	11.40	12.50	1.288	76.84	1.301	-0.08	0.033	0.055
	Bluetooth	1Mbps	Left Tilted	0mm	Ant 2	39	2441	11.40	12.50	1.288	76.84	1.301	0.07	0.006	0.009



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 0A	GPRS (4 Tx slots)	Front	10mm	251	848.8	29.00	29.50	1.122	0.11	0.543	0.609
	GSM850_Ant 0A	GPRS (4 Tx slots)	Back	10mm	251	848.8	29.00	29.50	1.122	0.04	0.736	0.826
	GSM850_Ant 0A	GPRS (4 Tx slots)	Back	10mm	128	824.2	28.95	29.50	1.135	-0.13	0.608	0.690
	GSM850_Ant 0A	GPRS (4 Tx slots)	Back	10mm	189	836.4	28.92	29.50	1.143	0	0.730	0.834
	GSM850_Ant 0A	GPRS (4 Tx slots)	Left Side	10mm	251	848.8	29.00	29.50	1.122	-0.16	0.786	0.882
	GSM850_Ant 0A	GPRS (4 Tx slots)	Left Side	10mm	128	824.2	28.95	29.50	1.135	-0.05	0.724	0.822
25	GSM850_Ant 0A	GPRS (4 Tx slots)	Left Side	10mm	189	836.4	28.92	29.50	1.143	0.11	0.798	0.912
	GSM850_Ant 0A	GPRS (4 Tx slots)	Right Side	10mm	251	848.8	29.00	29.50	1.122	-0.02	0.281	0.315
	GSM850_Ant 0A	GPRS (4 Tx slots)	Bottom Side	10mm	251	848.8	29.00	29.50	1.122	0.03	0.627	0.704
	GSM850_Ant 1	GPRS (4 Tx slots)	Front	10mm	251	848.8	29.00	30.50	1.413	-0.15	0.421	0.595
	GSM850_Ant 1	GPRS (4 Tx slots)	Back	10mm	251	848.8	29.00	30.50	1.413	0.13	0.426	0.602
	GSM850_Ant 1	GPRS (4 Tx slots)	Back	10mm	128	824.2	28.95	30.50	1.429	0.04	0.432	0.617
	GSM850_Ant 1	GPRS (4 Tx slots)	Back	10mm	189	836.4	28.92	30.50	1.439	0.13	0.460	0.662
	GSM850_Ant 1	GPRS (4 Tx slots)	Left Side	10mm	251	848.8	29.00	30.50	1.413	0.13	0.147	0.208
	GSM850_Ant 1	GPRS (4 Tx slots)	Right Side	10mm	251	848.8	29.00	30.50	1.413	0.11	0.186	0.263
	GSM850_Ant 1	GPRS (4 Tx slots)	Top Side	10mm	251	848.8	29.00	30.50	1.413	0.07	0.197	0.278

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 0b	GPRS (4 Tx slots)	Front	10mm	810	1909.8	26.46	28.00	1.426	-0.09	0.652	0.929
	GSM1900_Ant 0b	GPRS (4 Tx slots)	Front	10mm	512	1850.2	26.45	28.00	1.429	-0.04	0.615	0.879
	GSM1900_Ant 0b	GPRS (4 Tx slots)	Front	10mm	661	1880	26.38	28.00	1.452	-0.04	0.614	0.892
	GSM1900_Ant 0b	GPRS (4 Tx slots)	Back	10mm	810	1909.8	26.46	28.00	1.426	0.01	0.485	0.691
	GSM1900_Ant 0b	GPRS (4 Tx slots)	Left Side	10mm	810	1909.8	26.46	28.00	1.426	-0.04	0.204	0.291
	GSM1900_Ant 0b	GPRS (4 Tx slots)	Right Side	10mm	810	1909.8	26.46	28.00	1.426	0.03	0.508	0.724
	GSM1900_Ant 0b	GPRS (4 Tx slots)	Bottom Side	10mm	810	1909.8	26.46	28.00	1.426	0.03	0.542	0.773
	GSM1900_Ant 0c	GPRS (4 Tx slots)	Front	10mm	661	1880	25.93	26.00	1.016	0	0.385	0.391
	GSM1900_Ant 0c	GPRS (4 Tx slots)	Back	10mm	661	1880	25.93	26.00	1.016	-0.15	0.610	0.620
	GSM1900_Ant 0c	GPRS (4 Tx slots)	Left Side	10mm	661	1880	25.93	26.00	1.016	0.17	0.250	0.254
	GSM1900_Ant 0c	GPRS (4 Tx slots)	Right Side	10mm	661	1880	25.93	26.00	1.016	-0.05	0.052	0.053
	GSM1900_Ant 0c	GPRS (4 Tx slots)	Bottom Side	10mm	661	1880	25.93	26.00	1.016	0.14	0.932	0.947
	GSM1900_Ant 0c	GPRS (4 Tx slots)	Bottom Side	10mm	512	1850.2	25.78	26.00	1.052	0.09	0.833	0.876
	GSM1900_Ant 0c	GPRS (4 Tx slots)	Bottom Side	10mm	810	1909.8	25.68	26.00	1.076	0.09	0.861	0.927
	GSM1900_Ant 1	GPRS (4 Tx slots)	Front	10mm	810	1909.8	26.46	28.00	1.426	-0.02	0.367	0.523
	GSM1900_Ant 1	GPRS (4 Tx slots)	Back	10mm	810	1909.8	26.46	28.00	1.426	-0.1	0.540	0.770
	GSM1900_Ant 1	GPRS (4 Tx slots)	Left Side	10mm	810	1909.8	26.46	28.00	1.426	0.01	0.268	0.382
	GSM1900_Ant 1	GPRS (4 Tx slots)	Right Side	10mm	810	1909.8	26.46	28.00	1.426	-0.07	0.008	0.011
	GSM1900_Ant 1	GPRS (4 Tx slots)	Top Side	10mm	810	1909.8	26.46	28.00	1.426	0	0.623	0.888
	GSM1900_Ant 1	GPRS (4 Tx slots)	Top Side	10mm	512	1850.2	26.45	28.00	1.429	0.04	0.577	0.824
26	GSM1900_Ant 1	GPRS (4 Tx slots)	Top Side	10mm	661	1880	26.38	28.00	1.452	0.02	0.661	0.960



**<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 0b	RMC 12.2Kbps	Front	10mm	9400	1880	24.75	24.75	1.000	-0.04	0.877	0.877
	WCDMA II_Ant 0b	RMC 12.2Kbps	Front	10mm	9262	1852.4	24.71	24.75	1.009	-0.02	0.883	0.891
	WCDMA II_Ant 0b	RMC 12.2Kbps	Front	10mm	9538	1907.6	24.74	24.75	1.002	-0.05	0.810	0.812
	WCDMA II_Ant 0b	RMC 12.2Kbps	Back	10mm	9400	1880	24.75	24.75	1.000	-0.03	0.861	0.861
	WCDMA II_Ant 0b	RMC 12.2Kbps	Back	10mm	9262	1852.4	24.71	24.75	1.009	-0.01	0.848	0.856
	WCDMA II_Ant 0b	RMC 12.2Kbps	Back	10mm	9538	1907.6	24.74	24.75	1.002	-0.03	0.707	0.709
	WCDMA II_Ant 0b	RMC 12.2Kbps	Left Side	10mm	9400	1880	24.75	24.75	1.000	0.02	0.309	0.309
	WCDMA II_Ant 0b	RMC 12.2Kbps	Right Side	10mm	9400	1880	24.75	24.75	1.000	-0.03	0.715	0.715
	WCDMA II_Ant 0b	RMC 12.2Kbps	Bottom Side	10mm	9400	1880	24.75	24.75	1.000	-0.01	0.939	0.939
	WCDMA II_Ant 0b	RMC 12.2Kbps	Bottom Side	10mm	9262	1852.4	24.71	24.75	1.009	0.01	0.790	0.797
27	WCDMA II_Ant 0b	RMC 12.2Kbps	Bottom Side	10mm	9538	1907.6	24.74	24.75	1.002	0.02	1.000	1.002
	WCDMA II_Ant 0c	RMC 12.2Kbps	Front	10mm	9538	1907.6	23.14	23.50	1.086	0.03	0.385	0.418
	WCDMA II_Ant 0c	RMC 12.2Kbps	Back	10mm	9538	1907.6	23.14	23.50	1.086	0.18	0.622	0.676
	WCDMA II_Ant 0c	RMC 12.2Kbps	Left Side	10mm	9538	1907.6	23.14	23.50	1.086	-0.03	0.439	0.477
	WCDMA II_Ant 0c	RMC 12.2Kbps	Right Side	10mm	9538	1907.6	23.14	23.50	1.086	0.05	0.045	0.049
	WCDMA II_Ant 0c	RMC 12.2Kbps	Bottom Side	10mm	9538	1907.6	23.14	23.50	1.086	-0.04	0.624	0.678
	WCDMA II_Ant 0c	RMC 12.2Kbps	Bottom Side	10mm	9262	1852.4	23.03	23.50	1.114	0.02	0.879	0.979
	WCDMA II_Ant 0c	RMC 12.2Kbps	Bottom Side	10mm	9400	1880	23.13	23.50	1.089	0.16	0.588	0.640
	WCDMA II_Ant 1	RMC 12.2Kbps	Front	10mm	9400	1880	24.75	24.75	1.000	0	0.586	0.586
	WCDMA II_Ant 1	RMC 12.2Kbps	Back	10mm	9400	1880	24.75	24.75	1.000	-0.05	0.784	0.784
	WCDMA II_Ant 1	RMC 12.2Kbps	Left Side	10mm	9400	1880	24.75	24.75	1.000	0.02	0.373	0.373
	WCDMA II_Ant 1	RMC 12.2Kbps	Right Side	10mm	9400	1880	24.75	24.75	1.000	0.06	0.017	0.017
	WCDMA II_Ant 1	RMC 12.2Kbps	Top Side	10mm	9400	1880	24.75	24.75	1.000	0.07	0.848	0.848
	WCDMA II_Ant 1	RMC 12.2Kbps	Top Side	10mm	9262	1852.4	24.71	24.75	1.009	-0.01	0.813	0.821
	WCDMA II_Ant 1	RMC 12.2Kbps	Top Side	10mm	9538	1907.6	24.74	24.75	1.002	-0.06	0.949	0.951

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 0b	RMC 12.2Kbps	Front	10mm	1312	1712.4	24.73	24.75	1.005	-0.04	0.724	0.727
	WCDMA IV_Ant 0b	RMC 12.2Kbps	Back	10mm	1312	1712.4	24.73	24.75	1.005	-0.09	0.797	0.801
	WCDMA IV_Ant 0b	RMC 12.2Kbps	Back	10mm	1413	1732.6	24.71	24.75	1.009	-0.04	0.806	0.813
	WCDMA IV_Ant 0b	RMC 12.2Kbps	Back	10mm	1513	1752.6	24.7	24.75	1.012	-0.04	0.852	0.862
	WCDMA IV_Ant 0b	RMC 12.2Kbps	Left Side	10mm	1312	1712.4	24.73	24.75	1.005	0.17	0.178	0.179
	WCDMA IV_Ant 0b	RMC 12.2Kbps	Right Side	10mm	1312	1712.4	24.73	24.75	1.005	0.02	0.450	0.452
	WCDMA IV_Ant 0b	RMC 12.2Kbps	Bottom Side	10mm	1312	1712.4	24.73	24.75	1.005	-0.03	0.794	0.798
	WCDMA IV_Ant 0c	RMC 12.2Kbps	Front	10mm	1413	1732.6	23.26	23.50	1.057	0.05	0.393	0.415
	WCDMA IV_Ant 0c	RMC 12.2Kbps	Back	10mm	1413	1732.6	23.26	23.50	1.057	0.16	0.646	0.683
	WCDMA IV_Ant 0c	RMC 12.2Kbps	Left Side	10mm	1413	1732.6	23.26	23.50	1.057	0.09	0.256	0.271
	WCDMA IV_Ant 0c	RMC 12.2Kbps	Right Side	10mm	1413	1732.6	23.26	23.50	1.057	-0.09	0.051	0.054
	WCDMA IV_Ant 0c	RMC 12.2Kbps	Bottom Side	10mm	1413	1732.6	23.26	23.50	1.057	0.06	0.935	0.988
	WCDMA IV_Ant 0c	RMC 12.2Kbps	Bottom Side	10mm	1312	1712.4	23.15	23.50	1.084	0.1	0.874	0.947
28	WCDMA IV_Ant 0c	RMC 12.2Kbps	Bottom Side	10mm	1513	1752.6	23.20	23.50	1.072	0.12	0.928	0.994
	WCDMA IV_Ant 1	RMC 12.2Kbps	Front	10mm	1312	1712.4	24.73	24.75	1.005	0.05	0.369	0.371
	WCDMA IV_Ant 1	RMC 12.2Kbps	Back	10mm	1312	1712.4	24.73	24.75	1.005	-0.01	0.401	0.403
	WCDMA IV_Ant 1	RMC 12.2Kbps	Left Side	10mm	1312	1712.4	24.73	24.75	1.005	-0.05	0.199	0.200
	WCDMA IV_Ant 1	RMC 12.2Kbps	Right Side	10mm	1312	1712.4	24.73	24.75	1.005	0.17	0.009	0.009
	WCDMA IV_Ant 1	RMC 12.2Kbps	Top Side	10mm	1312	1712.4	24.73	24.75	1.005	0.13	0.605	0.608
	WCDMA IV_Ant 1	RMC 12.2Kbps	Top Side	10mm	1413	1732.6	24.71	24.75	1.009	0.04	0.688	0.694
	WCDMA IV_Ant 1	RMC 12.2Kbps	Top Side	10mm	1513	1752.6	24.70	24.75	1.012	0.11	0.793	0.802





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 0A	RMC 12.2Kbps	Front	10mm	4182	836.4	24.99	25.00	1.002	0.01	0.504	0.505
	WCDMA V_Ant 0A	RMC 12.2Kbps	Back	10mm	4182	836.4	24.99	25.00	1.002	-0.05	0.649	0.650
29	WCDMA V_Ant 0A	RMC 12.2Kbps	Left Side	10mm	4182	836.4	24.99	25.00	1.002	0.03	0.693	0.695
	WCDMA V_Ant 0A	RMC 12.2Kbps	Left Side	10mm	4132	826.4	24.94	25.00	1.014	-0.12	0.591	0.599
	WCDMA V_Ant 0A	RMC 12.2Kbps	Left Side	10mm	4233	846.6	24.53	25.00	1.114	-0.15	0.548	0.611
	WCDMA V_Ant 0A	RMC 12.2Kbps	Right Side	10mm	4182	836.4	24.99	25.00	1.002	-0.01	0.381	0.382
	WCDMA V_Ant 0A	RMC 12.2Kbps	Bottom Side	10mm	4182	836.4	24.99	25.00	1.002	0.1	0.623	0.624
	WCDMA V_Ant 1	RMC 12.2Kbps	Front	10mm	4182	836.4	24.99	25.00	1.002	-0.05	0.582	0.583
	WCDMA V_Ant 1	RMC 12.2Kbps	Front	10mm	4132	826.4	24.94	25.00	1.014	0.06	0.441	0.447
	WCDMA V_Ant 1	RMC 12.2Kbps	Front	10mm	4233	846.6	24.53	25.00	1.114	0.1	0.414	0.461
	WCDMA V_Ant 1	RMC 12.2Kbps	Back	10mm	4182	836.4	24.99	25.00	1.002	-0.05	0.575	0.576
	WCDMA V_Ant 1	RMC 12.2Kbps	Left Side	10mm	4182	836.4	24.99	25.00	1.002	0.09	0.157	0.157
	WCDMA V_Ant 1	RMC 12.2Kbps	Right Side	10mm	4182	836.4	24.99	25.00	1.002	0.19	0.295	0.296
	WCDMA V_Ant 1	RMC 12.2Kbps	Top Side	10mm	4182	836.4	24.99	25.00	1.002	0.14	0.259	0.260

**<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 0A	RTAP 153.6Kbps	Front	10mm	384	836.52	24.99	25.00	1.002	0.01	0.438	0.439
	CDMA BC0_Ant 0A	RTAP 153.6Kbps	Back	10mm	384	836.52	24.99	25.00	1.002	-0.02	0.632	0.633
	CDMA BC0_Ant 0A	RTAP 153.6Kbps	Left Side	10mm	384	836.52	24.99	25.00	1.002	0.13	0.732	0.734
	CDMA BC0_Ant 0A	RTAP 153.6Kbps	Left Side	10mm	1013	824.7	24.96	25.00	1.009	-0.08	0.714	0.721
30	CDMA BC0_Ant 0A	RTAP 153.6Kbps	Left Side	10mm	777	848.31	24.97	25.00	1.007	0.04	0.740	0.745
	CDMA BC0_Ant 0A	RTAP 153.6Kbps	Right Side	10mm	384	836.52	24.99	25.00	1.002	0.03	0.339	0.340
	CDMA BC0_Ant 0A	RTAP 153.6Kbps	Bottom Side	10mm	384	836.52	24.99	25.00	1.002	0.08	0.599	0.600
	CDMA BC0_Ant 1	RTAP 153.6Kbps	Front	10mm	384	836.52	24.99	25.00	1.002	-0.06	0.492	0.493
	CDMA BC0_Ant 1	RTAP 153.6Kbps	Front	10mm	1013	824.7	24.96	25.00	1.009	0.06	0.498	0.503
	CDMA BC0_Ant 1	RTAP 153.6Kbps	Front	10mm	777	848.31	24.97	25.00	1.007	-0.13	0.437	0.440
	CDMA BC0_Ant 1	RTAP 153.6Kbps	Back	10mm	384	836.52	24.99	25.00	1.002	0.03	0.487	0.488
	CDMA BC0_Ant 1	RTAP 153.6Kbps	Left Side	10mm	384	836.52	24.99	25.00	1.002	-0.06	0.152	0.152
	CDMA BC0_Ant 1	RTAP 153.6Kbps	Right Side	10mm	384	836.52	24.99	25.00	1.002	-0.02	0.245	0.246
	CDMA BC0_Ant 1	RTAP 153.6Kbps	Top Side	10mm	384	836.52	24.99	25.00	1.002	0.1	0.226	0.227



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 0b	RTAP 153.6Kbps	Front	10mm	1175	1908.75	24.72	24.75	1.007	-0.06	0.736	0.741
	CDMA BC1_Ant 0b	RTAP 153.6Kbps	Back	10mm	1175	1908.75	24.72	24.75	1.007	-0.08	0.768	0.773
	CDMA BC1_Ant 0b	RTAP 153.6Kbps	Left Side	10mm	1175	1908.75	24.72	24.75	1.007	0.07	0.291	0.293
	CDMA BC1_Ant 0b	RTAP 153.6Kbps	Right Side	10mm	1175	1908.75	24.72	24.75	1.007	0	0.750	0.755
	CDMA BC1_Ant 0b	RTAP 153.6Kbps	Bottom Side	10mm	1175	1908.75	24.72	24.75	1.007	0.12	0.887	0.893
	CDMA BC1_Ant 0b	RTAP 153.6Kbps	Bottom Side	10mm	25	1851.25	24.71	24.75	1.009	0.07	0.708	0.715
	CDMA BC1_Ant 0b	RTAP 153.6Kbps	Bottom Side	10mm	600	1880	24.73	24.75	1.005	-0.01	0.821	0.825
	CDMA BC1_Ant 1	RTAP 153.6Kbps	Front	10mm	1175	1908.75	24.75	24.75	1.000	0.09	0.708	0.708
	CDMA BC1_Ant 1	RTAP 153.6Kbps	Back	10mm	1175	1908.75	24.75	24.75	1.000	-0.03	0.783	0.783
	CDMA BC1_Ant 1	RTAP 153.6Kbps	Left Side	10mm	1175	1908.75	24.75	24.75	1.000	-0.08	0.442	0.442
	CDMA BC1_Ant 1	RTAP 153.6Kbps	Right Side	10mm	1175	1908.75	24.75	24.75	1.000	-0.04	0.012	0.012
	CDMA BC1_Ant 1	RTAP 153.6Kbps	Top Side	10mm	1175	1908.75	24.75	24.75	1.000	0.04	0.967	0.967
	CDMA BC1_Ant 1	RTAP 153.6Kbps	Top Side	10mm	25	1851.25	24.71	24.75	1.009	0.02	0.930	0.939
31	CDMA BC1_Ant 1	RTAP 153.6Kbps	Top Side	10mm	600	1880	24.73	24.75	1.005	-0.04	0.991	0.996

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 0A	RTAP 153.6Kbps	Front	10mm	580	820.5	24.94	25.00	1.014	-0.02	0.430	0.436
	CDMA BC10_Ant 0A	RTAP 153.6Kbps	Back	10mm	580	820.5	24.94	25.00	1.014	-0.03	0.604	0.612
32	CDMA BC10_Ant 0A	RTAP 153.6Kbps	Left Side	10mm	580	820.5	24.94	25.00	1.014	0	0.650	0.659
	CDMA BC10_Ant 0A	RTAP 153.6Kbps	Right Side	10mm	580	820.5	24.94	25.00	1.014	-0.01	0.328	0.333
	CDMA BC10_Ant 0A	RTAP 153.6Kbps	Bottom Side	10mm	580	820.5	24.94	25.00	1.014	0.04	0.530	0.537
	CDMA BC10_Ant 1	RTAP 153.6Kbps	Front	10mm	580	820.5	24.94	25.00	1.014	-0.05	0.504	0.511
	CDMA BC10_Ant 1	RTAP 153.6Kbps	Back	10mm	580	820.5	24.94	25.00	1.014	0.03	0.504	0.511
	CDMA BC10_Ant 1	RTAP 153.6Kbps	Left Side	10mm	580	820.5	24.94	25.00	1.014	-0.05	0.154	0.156
	CDMA BC10_Ant 1	RTAP 153.6Kbps	Right Side	10mm	580	820.5	24.94	25.00	1.014	-0.01	0.253	0.257
	CDMA BC10_Ant 1	RTAP 153.6Kbps	Top Side	10mm	580	820.5	24.94	25.00	1.014	0.11	0.222	0.225



<FDD LTE SAR>

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 0b	20M	QPSK	1	99	Front	10mm	20850	2510	18.31	18.50	1.045	-0.03	0.449	0.469
	LTE Band 7_Ant 0b	20M	QPSK	50	50	Front	10mm	20850	2510	18.43	18.50	1.016	-0.05	0.450	0.457
	LTE Band 7_Ant 0b	20M	QPSK	1	99	Back	10mm	20850	2510	18.31	18.50	1.045	-0.13	0.905	0.945
	LTE Band 7_Ant 0b	20M	QPSK	1	99	Back	10mm	21100	2535	18.24	18.50	1.062	-0.11	0.843	0.895
	LTE Band 7_Ant 0b	20M	QPSK	1	99	Back	10mm	21350	2560	18.30	18.50	1.047	-0.13	0.826	0.865
33	LTE Band 7_Ant 0b	20M	QPSK	50	50	Back	10mm	20850	2510	18.43	18.50	1.016	-0.16	0.932	0.947
	LTE Band 7_Ant 0b	20M	QPSK	50	50	Back	10mm	21100	2535	18.38	18.50	1.028	0.13	0.895	0.920
	LTE Band 7_Ant 0b	20M	QPSK	50	50	Back	10mm	21350	2560	18.39	18.50	1.026	-0.12	0.840	0.862
	LTE Band 7_Ant 0b	20M	QPSK	100	0	Back	10mm	20850	2510	18.38	18.50	1.028	-0.13	0.886	0.911
	LTE Band 7_Ant 0b	20M	QPSK	1	99	Left Side	10mm	20850	2510	18.31	18.50	1.045	-0.12	0.003	0.003
	LTE Band 7_Ant 0b	20M	QPSK	50	50	Left Side	10mm	20850	2510	18.43	18.50	1.016	-0.15	0.004	0.004
	LTE Band 7_Ant 0b	20M	QPSK	1	99	Right Side	10mm	20850	2510	18.31	18.50	1.045	0.1	0.684	0.715
	LTE Band 7_Ant 0b	20M	QPSK	50	50	Right Side	10mm	20850	2510	18.43	18.50	1.016	0.16	0.720	0.732
	LTE Band 7_Ant 0b	20M	QPSK	1	99	Bottom Side	10mm	20850	2510	18.31	18.50	1.045	-0.09	0.362	0.378
	LTE Band 7_Ant 0b	20M	QPSK	50	50	Bottom Side	10mm	20850	2510	18.43	18.50	1.016	-0.06	0.381	0.387
	LTE Band 7_Ant 1	20M	QPSK	1	99	Front	10mm	20850	2510	24.62	24.80	1.042	0.09	0.447	0.466
	LTE Band 7_Ant 1	20M	QPSK	50	50	Front	10mm	20850	2510	23.69	23.80	1.026	0.1	0.376	0.386
	LTE Band 7_Ant 1	20M	QPSK	1	99	Back	10mm	20850	2510	24.62	24.80	1.042	0.07	0.501	0.522
	LTE Band 7_Ant 1	20M	QPSK	1	99	Back	10mm	21100	2535	24.57	24.80	1.054	0.09	0.443	0.467
	LTE Band 7_Ant 1	20M	QPSK	1	99	Back	10mm	21350	2560	24.60	24.80	1.047	0.09	0.435	0.456
	LTE Band 7_Ant 1	20M	QPSK	50	50	Back	10mm	20850	2510	23.69	23.80	1.026	0.06	0.408	0.418
	LTE Band 7_Ant 1	20M	QPSK	1	99	Left Side	10mm	20850	2510	24.62	24.80	1.042	0.02	0.290	0.302
	LTE Band 7_Ant 1	20M	QPSK	50	50	Left Side	10mm	20850	2510	23.69	23.80	1.026	0.02	0.266	0.273
	LTE Band 7_Ant 1	20M	QPSK	1	99	Right Side	10mm	20850	2510	24.62	24.80	1.042	0.12	0.030	0.031
	LTE Band 7_Ant 1	20M	QPSK	50	50	Right Side	10mm	20850	2510	23.69	23.80	1.026	-0.13	0.023	0.024
	LTE Band 7_Ant 1	20M	QPSK	1	99	Top Side	10mm	20850	2510	24.62	24.8	1.042	0.14	0.427	0.445
	LTE Band 7_Ant 1	20M	QPSK	50	50	Top Side	10mm	20850	2510	23.69	23.8	1.026	0.09	0.370	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 12_Ant 0A	10M	QPSK	1	25	Front	10mm	23095	707.5	24.7	25.00	1.072	-0.13	0.288	0.309
	LTE Band 12_Ant 0A	10M	QPSK	25	0	Front	10mm	23095	707.5	23.86	24.00	1.033	-0.02	0.247	0.255
	LTE Band 12_Ant 0A	10M	QPSK	1	25	Back	10mm	23095	707.5	24.7	25.00	1.072	-0.02	0.290	0.311
	LTE Band 12_Ant 0A	10M	QPSK	25	0	Back	10mm	23095	707.5	23.86	24.00	1.033	0	0.244	0.252
	LTE Band 12_Ant 0A	10M	QPSK	1	25	Left Side	10mm	23095	707.5	24.7	25.00	1.072	0.03	0.366	0.392
	LTE Band 12_Ant 0A	10M	QPSK	25	0	Left Side	10mm	23095	707.5	23.86	24.00	1.033	0.02	0.316	0.326
	LTE Band 12_Ant 0A	10M	QPSK	1	25	Right Side	10mm	23095	707.5	24.7	25.00	1.072	-0.04	0.215	0.230
	LTE Band 12_Ant 0A	10M	QPSK	25	0	Right Side	10mm	23095	707.5	23.86	24.00	1.033	0	0.174	0.180
	LTE Band 12_Ant 0A	10M	QPSK	1	25	Bottom Side	10mm	23095	707.5	24.7	25.00	1.072	0.11	0.210	0.225
	LTE Band 12_Ant 0A	10M	QPSK	25	0	Bottom Side	10mm	23095	707.5	23.86	24.00	1.033	0.02	0.176	0.182
34	LTE Band 12_Ant 1	10M	QPSK	1	25	Front	10mm	23095	707.5	24.70	25.00	1.072	-0.05	0.411	0.440
	LTE Band 12_Ant 1	10M	QPSK	25	0	Front	10mm	23095	707.5	23.86	24.00	1.033	-0.15	0.342	0.353
	LTE Band 12_Ant 1	10M	QPSK	1	25	Back	10mm	23095	707.5	24.70	25.00	1.072	0	0.407	0.436
	LTE Band 12_Ant 1	10M	QPSK	25	0	Back	10mm	23095	707.5	23.86	24.00	1.033	-0.18	0.342	0.353
	LTE Band 12_Ant 1	10M	QPSK	1	25	Left Side	10mm	23095	707.5	24.70	25.00	1.072	0.04	0.224	0.240
	LTE Band 12_Ant 1	10M	QPSK	25	0	Left Side	10mm	23095	707.5	23.86	24.00	1.033	-0.11	0.187	0.193
	LTE Band 12_Ant 1	10M	QPSK	1	25	Right Side	10mm	23095	707.5	24.70	25.00	1.072	0.03	0.142	0.152
	LTE Band 12_Ant 1	10M	QPSK	25	0	Right Side	10mm	23095	707.5	23.86	24.00	1.033	-0.04	0.118	0.122
	LTE Band 12_Ant 1	10M	QPSK	1	25	Top Side	10mm	23095	707.5	24.70	25.00	1.072	-0.02	0.120	0.129
	LTE Band 12_Ant 1	10M	QPSK	25	0	Top Side	10mm	23095	707.5	23.86	24.00	1.033	-0.16	0.100	0.103



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 0A	10M	QPSK	1	25	Front	10mm	23230	782	24.66	25.00	1.081	0	0.358	0.387
	LTE Band 13_Ant 0A	10M	QPSK	25	25	Front	10mm	23230	782	23.77	24.00	1.054	-0.02	0.294	0.310
	LTE Band 13_Ant 0A	10M	QPSK	1	25	Back	10mm	23230	782	24.66	25.00	1.081	0.01	0.477	0.516
	LTE Band 13_Ant 0A	10M	QPSK	25	25	Back	10mm	23230	782	23.77	24.00	1.054	-0.01	0.393	0.414
35	LTE Band 13_Ant 0A	10M	QPSK	1	25	Left Side	10mm	23230	782	24.66	25.00	1.081	-0.01	0.634	0.686
	LTE Band 13_Ant 0A	10M	QPSK	25	25	Left Side	10mm	23230	782	23.77	24.00	1.054	0	0.534	0.563
	LTE Band 13_Ant 0A	10M	QPSK	1	25	Right Side	10mm	23230	782	24.66	25.00	1.081	-0.02	0.423	0.457
	LTE Band 13_Ant 0A	10M	QPSK	25	25	Right Side	10mm	23230	782	23.77	24.00	1.054	0.02	0.351	0.370
	LTE Band 13_Ant 0A	10M	QPSK	1	25	Bottom Side	10mm	23230	782	24.66	25.00	1.081	0.01	0.399	0.431
	LTE Band 13_Ant 0A	10M	QPSK	25	25	Bottom Side	10mm	23230	782	23.77	24.00	1.054	0.05	0.330	0.348
	LTE Band 13_Ant 1	10M	QPSK	1	25	Front	10mm	23230	782	24.66	25.00	1.081	0.05	0.544	0.588
	LTE Band 13_Ant 1	10M	QPSK	25	25	Front	10mm	23230	782	23.77	24.00	1.054	-0.11	0.440	0.464
	LTE Band 13_Ant 1	10M	QPSK	1	25	Back	10mm	23230	782	24.66	25.00	1.081	0.06	0.539	0.583
	LTE Band 13_Ant 1	10M	QPSK	25	25	Back	10mm	23230	782	23.77	24.00	1.054	-0.17	0.436	0.460
	LTE Band 13_Ant 1	10M	QPSK	1	25	Left Side	10mm	23230	782	24.66	25.00	1.081	0.03	0.255	0.276
	LTE Band 13_Ant 1	10M	QPSK	25	25	Left Side	10mm	23230	782	23.77	24.00	1.054	-0.15	0.204	0.215
	LTE Band 13_Ant 1	10M	QPSK	1	25	Right Side	10mm	23230	782	24.66	25.00	1.081	0.08	0.245	0.265
	LTE Band 13_Ant 1	10M	QPSK	25	25	Right Side	10mm	23230	782	23.77	24.00	1.054	-0.12	0.201	0.212
	LTE Band 13_Ant 1	10M	QPSK	1	25	Top Side	10mm	23230	782	24.66	25.00	1.081	-0.01	0.169	0.183
	LTE Band 13_Ant 1	10M	QPSK	25	25	Top Side	10mm	23230	782	23.77	24.00	1.054	-0.16	0.139	0.147

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 0A	10M	QPSK	1	0	Front	10mm	23330	793	24.77	25.00	1.054	-0.01	0.372	0.392
	LTE Band 14_Ant 0A	10M	QPSK	25	0	Front	10mm	23330	793	23.86	24.00	1.033	0	0.316	0.326
	LTE Band 14_Ant 0A	10M	QPSK	1	0	Back	10mm	23330	793	24.77	25.00	1.054	-0.07	0.493	0.520
	LTE Band 14_Ant 0A	10M	QPSK	25	0	Back	10mm	23330	793	23.86	24.00	1.033	-0.06	0.411	0.424
36	LTE Band 14_Ant 0A	10M	QPSK	1	0	Left Side	10mm	23330	793	24.77	25.00	1.054	-0.06	0.743	0.783
	LTE Band 14_Ant 0A	10M	QPSK	25	0	Left Side	10mm	23330	793	23.86	24.00	1.033	-0.01	0.630	0.651
	LTE Band 14_Ant 0A	10M	QPSK	1	0	Right Side	10mm	23330	793	24.77	25.00	1.054	-0.02	0.434	0.458
	LTE Band 14_Ant 0A	10M	QPSK	25	0	Right Side	10mm	23330	793	23.86	24.00	1.033	0.02	0.369	0.381
	LTE Band 14_Ant 0A	10M	QPSK	1	0	Bottom Side	10mm	23330	793	24.77	25.00	1.054	0.04	0.421	0.444
	LTE Band 14_Ant 0A	10M	QPSK	25	0	Bottom Side	10mm	23330	793	23.86	24.00	1.033	0.06	0.357	0.369
	LTE Band 14_Ant 1	10M	QPSK	1	0	Front	10mm	23330	793	24.77	25.00	1.054	0.09	0.520	0.548
	LTE Band 14_Ant 1	10M	QPSK	25	0	Front	10mm	23330	793	23.86	24.00	1.033	-0.07	0.423	0.437
	LTE Band 14_Ant 1	10M	QPSK	1	0	Back	10mm	23330	793	24.77	25.00	1.054	0.07	0.546	0.576
	LTE Band 14_Ant 1	10M	QPSK	25	0	Back	10mm	23330	793	23.86	24.00	1.033	-0.12	0.460	0.475
	LTE Band 14_Ant 1	10M	QPSK	1	0	Left Side	10mm	23330	793	24.77	25.00	1.054	0.04	0.237	0.250
	LTE Band 14_Ant 1	10M	QPSK	25	0	Left Side	10mm	23330	793	23.86	24.00	1.033	-0.13	0.193	0.199
	LTE Band 14_Ant 1	10M	QPSK	1	0	Right Side	10mm	23330	793	24.77	25.00	1.054	0.07	0.249	0.263
	LTE Band 14_Ant 1	10M	QPSK	25	0	Right Side	10mm	23330	793	23.86	24.00	1.033	-0.13	0.210	0.217
	LTE Band 14_Ant 1	10M	QPSK	1	0	Top Side	10mm	23330	793	24.77	25.00	1.054	0.01	0.173	0.182
	LTE Band 14_Ant 1	10M	QPSK	25	0	Top Side	10mm	23330	793	23.86	24.00	1.033	-0.02	0.137	0.141



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 0b	20M	QPSK	1	0	Front	10mm	26340	1880	23.17	23.50	1.079	-0.13	0.592	0.639
	LTE Band 25_Ant 0b	20M	QPSK	50	24	Front	10mm	26340	1880	23.18	23.50	1.076	-0.07	0.585	0.630
	LTE Band 25_Ant 0b	20M	QPSK	1	0	Back	10mm	26340	1880	23.17	23.50	1.079	0.1	0.662	0.714
	LTE Band 25_Ant 0b	20M	QPSK	50	24	Back	10mm	26340	1880	23.18	23.50	1.076	0.09	0.656	0.706
	LTE Band 25_Ant 0b	20M	QPSK	1	0	Left Side	10mm	26340	1880	23.12	23.50	1.091	0.02	0.117	0.128
	LTE Band 25_Ant 0b	20M	QPSK	50	24	Left Side	10mm	26340	1880	23.15	23.50	1.084	0.07	0.121	0.131
	LTE Band 25_Ant 0b	20M	QPSK	1	0	Right Side	10mm	26340	1880	23.17	23.50	1.079	-0.06	0.560	0.604
	LTE Band 25_Ant 0b	20M	QPSK	50	24	Right Side	10mm	26340	1880	23.18	23.50	1.076	-0.09	0.578	0.622
37	LTE Band 25_Ant 0b	20M	QPSK	1	0	Bottom Side	10mm	26340	1880	23.17	23.50	1.079	0.09	0.870	0.939
	LTE Band 25_Ant 0b	20M	QPSK	1	0	Bottom Side	10mm	26140	1860	23.15	23.50	1.084	0.07	0.824	0.893
	LTE Band 25_Ant 0b	20M	QPSK	1	0	Bottom Side	10mm	26590	1905	23.04	23.50	1.112	0.12	0.791	0.879
	LTE Band 25_Ant 0b	20M	QPSK	50	24	Bottom Side	10mm	26340	1880	23.18	23.50	1.076	0.06	0.869	0.935
	LTE Band 25_Ant 0b	20M	QPSK	50	24	Bottom Side	10mm	26140	1860	23.17	23.50	1.079	0.06	0.859	0.927
	LTE Band 25_Ant 0b	20M	QPSK	50	24	Bottom Side	10mm	26590	1905	23.12	23.50	1.091	0.11	0.747	0.815
	LTE Band 25_Ant 0b	20M	QPSK	100	0	Bottom Side	10mm	26340	1880	23.15	23.50	1.084	0.04	0.861	0.933
	LTE Band 25_Ant 0c	20M	QPSK	1	0	Front	10mm	26140	1860	24.58	24.75	1.040	0	0.427	0.444
	LTE Band 25_Ant 0c	20M	QPSK	50	0	Front	10mm	26140	1860	23.64	23.75	1.026	-0.01	0.341	0.350
	LTE Band 25_Ant 0c	20M	QPSK	1	0	Back	10mm	26140	1860	24.58	24.75	1.040	0.14	0.470	0.489
	LTE Band 25_Ant 0c	20M	QPSK	50	0	Back	10mm	26140	1860	23.64	23.75	1.026	-0.08	0.377	0.387
	LTE Band 25_Ant 0c	20M	QPSK	1	0	Left Side	10mm	26140	1860	24.58	24.75	1.040	0.05	0.560	0.582
	LTE Band 25_Ant 0c	20M	QPSK	1	0	Left Side	10mm	26340	1880	24.56	24.75	1.045	0.03	0.610	0.637
	LTE Band 25_Ant 0c	20M	QPSK	1	0	Left Side	10mm	26590	1905	24.47	24.75	1.067	0	0.623	0.664
	LTE Band 25_Ant 0c	20M	QPSK	50	0	Left Side	10mm	26140	1860	23.64	23.75	1.026	0.01	0.461	0.473
	LTE Band 25_Ant 0c	20M	QPSK	1	0	Right Side	10mm	26140	1860	24.58	24.75	1.040	0.13	0.041	0.043
	LTE Band 25_Ant 0c	20M	QPSK	50	0	Right Side	10mm	26140	1860	23.64	23.75	1.026	-0.05	0.036	0.037
	LTE Band 25_Ant 0c	20M	QPSK	1	0	Bottom Side	10mm	26140	1860	24.58	24.75	1.040	0.04	0.221	0.230
	LTE Band 25_Ant 0c	20M	QPSK	50	0	Bottom Side	10mm	26140	1860	23.64	23.75	1.026	0.01	0.180	0.185
	LTE Band 25_Ant 1	20M	QPSK	1	0	Front	10mm	26140	1860	24.58	24.75	1.040	0.09	0.561	0.583
	LTE Band 25_Ant 1	20M	QPSK	50	0	Front	10mm	26140	1860	23.64	23.75	1.026	0.05	0.442	0.453
	LTE Band 25_Ant 1	20M	QPSK	1	0	Back	10mm	26140	1860	24.58	24.75	1.040	-0.05	0.563	0.585
	LTE Band 25_Ant 1	20M	QPSK	50	0	Back	10mm	26140	1860	23.64	23.75	1.026	-0.13	0.453	0.465
	LTE Band 25_Ant 1	20M	QPSK	1	0	Left Side	10mm	26140	1860	24.58	24.75	1.040	-0.08	0.310	0.322
	LTE Band 25_Ant 1	20M	QPSK	50	0	Left Side	10mm	26140	1860	23.64	23.75	1.026	-0.14	0.258	0.265
	LTE Band 25_Ant 1	20M	QPSK	1	0	Right Side	10mm	26140	1860	24.58	24.75	1.040	0.01	0.006	0.007
	LTE Band 25_Ant 1	20M	QPSK	50	0	Right Side	10mm	26140	1860	23.64	23.75	1.026	0.05	0.005	0.005
	LTE Band 25_Ant 1	20M	QPSK	1	0	Top Side	10mm	26140	1860	24.58	24.75	1.040	-0.06	0.892	0.928
	LTE Band 25_Ant 1	20M	QPSK	1	0	Top Side	10mm	26340	1880	24.47	24.75	1.067	-0.06	0.819	0.874
	LTE Band 25_Ant 1	20M	QPSK	1	0	Top Side	10mm	26590	1905	24.47	24.75	1.067	0.07	0.863	0.920
	LTE Band 25_Ant 1	20M	QPSK	50	0	Top Side	10mm	26140	1860	23.64	23.75	1.026	-0.1	0.619	0.635
	LTE Band 25_Ant 1	20M	QPSK	100	0	Top Side	10mm	26140	1860	23.59	23.75	1.038	-0.02	0.583	0.605



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 0A	15M	QPSK	1	0	Front	10mm	26865	831.5	24.72	25.00	1.067	0.01	0.459	0.490
	LTE Band 26_Ant 0A	15M	QPSK	36	20	Front	10mm	26865	831.5	23.83	24.00	1.040	-0.01	0.388	0.403
	LTE Band 26_Ant 0A	15M	QPSK	1	0	Back	10mm	26865	831.5	24.72	25.00	1.067	-0.02	0.589	0.628
	LTE Band 26_Ant 0A	15M	QPSK	36	20	Back	10mm	26865	831.5	23.83	24.00	1.040	-0.05	0.513	0.533
38	LTE Band 26_Ant 0A	15M	QPSK	1	0	Left Side	10mm	26865	831.5	24.72	25.00	1.067	-0.01	0.706	0.753
	LTE Band 26_Ant 0A	15M	QPSK	36	20	Left Side	10mm	26865	831.5	23.83	24.00	1.040	0	0.591	0.615
	LTE Band 26_Ant 0A	15M	QPSK	1	0	Right Side	10mm	26865	831.5	24.72	25.00	1.067	0.04	0.302	0.322
	LTE Band 26_Ant 0A	15M	QPSK	36	20	Right Side	10mm	26865	831.5	23.83	24.00	1.040	-0.01	0.244	0.254
	LTE Band 26_Ant 0A	15M	QPSK	1	0	Bottom Side	10mm	26865	831.5	24.72	25.00	1.067	0.06	0.555	0.592
	LTE Band 26_Ant 0A	15M	QPSK	36	20	Bottom Side	10mm	26865	831.5	23.83	24.00	1.040	0	0.484	0.503
	LTE Band 5B_Ant 0A	10M	QPSK	1	0	Left Side	10mm	20525	836.5	24.41	25.00	1.146	0.04	0.640	0.733
	LTE Band 26_Ant 1	15M	QPSK	1	0	Front	10mm	26865	831.5	24.72	25.00	1.067	-0.04	0.516	0.550
	LTE Band 26_Ant 1	15M	QPSK	36	20	Front	10mm	26865	831.5	23.83	24.00	1.040	0.03	0.441	0.459
	LTE Band 26_Ant 1	15M	QPSK	1	0	Back	10mm	26865	831.5	24.72	25.00	1.067	-0.02	0.499	0.532
	LTE Band 26_Ant 1	15M	QPSK	36	20	Back	10mm	26865	831.5	23.83	24.00	1.040	-0.04	0.415	0.432
	LTE Band 26_Ant 1	15M	QPSK	1	0	Left Side	10mm	26865	831.5	24.72	25.00	1.067	-0.02	0.186	0.198
	LTE Band 26_Ant 1	15M	QPSK	36	20	Left Side	10mm	26865	831.5	23.83	24.00	1.040	0	0.152	0.158
	LTE Band 26_Ant 1	15M	QPSK	1	0	Right Side	10mm	26865	831.5	24.72	25.00	1.067	0.03	0.291	0.310
	LTE Band 26_Ant 1	15M	QPSK	36	20	Right Side	10mm	26865	831.5	23.83	24.00	1.040	-0.04	0.221	0.230
	LTE Band 26_Ant 1	15M	QPSK	1	0	Top Side	10mm	26865	831.5	24.72	25.00	1.067	0.13	0.252	0.269
	LTE Band 26_Ant 1	15M	QPSK	36	20	Top Side	10mm	26865	831.5	23.83	24.00	1.040	0.09	0.209	0.217
	LTE Band 5B_Ant 1	10M	QPSK	1	0	Front	10mm	20525	836.5	24.41	25.00	1.146	0	0.443	0.507



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	20.78	21.00	1.052	0.04	0.595	0.626
	LTE Band 30_Ant 0b	10M	QPSK	25	0	Front	10mm	27710	2310	20.81	21.00	1.045	0.07	0.573	0.599
	LTE Band 30_Ant 0b	10M	QPSK	1	0	Back	10mm	27710	2310	20.78	21.00	1.052	0.11	0.854	0.898
	LTE Band 30_Ant 0b	10M	QPSK	25	0	Back	10mm	27710	2310	20.81	21.00	1.045	0.08	0.832	0.869
	LTE Band 30_Ant 0b	10M	QPSK	50	0	Back	10mm	27710	2310	20.78	21.00	1.052	-0.18	0.887	0.933
	LTE Band 30_Ant 0b	10M	QPSK	1	0	Left Side	10mm	27710	2310	20.78	21.00	1.052	0.06	0.048	0.050
	LTE Band 30_Ant 0b	10M	QPSK	25	0	Left Side	10mm	27710	2310	20.81	21.00	1.045	0.08	0.050	0.052
	LTE Band 30_Ant 0b	10M	QPSK	1	0	Right Side	10mm	27710	2310	20.78	21.00	1.052	0.04	0.579	0.609
	LTE Band 30_Ant 0b	10M	QPSK	25	0	Right Side	10mm	27710	2310	20.81	21.00	1.045	0.02	0.568	0.593
	LTE Band 30_Ant 0b	20M	QPSK	1	0	Bottom Side	10mm	27710	2310	20.78	21.00	1.052	0.15	0.595	0.626
	LTE Band 30_Ant 0b	10M	QPSK	25	0	Bottom Side	10mm	27710	2310	20.81	21.00	1.045	0.04	0.578	0.604
	LTE Band 30_Ant 0c	10M	QPSK	1	0	Front	10mm	27710	2310	23.46	23.50	1.009	0.03	0.668	0.674
	LTE Band 30_Ant 0c	10M	QPSK	25	0	Front	10mm	27710	2310	23.33	23.50	1.040	-0.02	0.678	0.705
	LTE Band 30_Ant 0c	10M	QPSK	1	0	Back	10mm	27710	2310	23.46	23.50	1.009	-0.01	0.755	0.762
	LTE Band 30_Ant 0c	10M	QPSK	25	0	Back	10mm	27710	2310	23.33	23.50	1.040	-0.13	0.739	0.769
	LTE Band 30_Ant 0c	10M	QPSK	1	0	Left Side	10mm	27710	2310	23.46	23.50	1.009	0.19	0.948	0.957
	LTE Band 30_Ant 0c	10M	QPSK	25	0	Left Side	10mm	27710	2310	23.33	23.50	1.040	0.19	0.928	0.965
39	LTE Band 30_Ant 0c	10M	QPSK	50	0	Left Side	10mm	27710	2310	23.32	23.50	1.042	0.17	0.933	0.972
	LTE Band 30_Ant 0c	10M	QPSK	1	0	Right Side	10mm	27710	2310	23.46	23.50	1.009	0.02	0.079	0.080
	LTE Band 30_Ant 0c	10M	QPSK	25	0	Right Side	10mm	27710	2310	23.33	23.50	1.040	-0.11	0.081	0.084
	LTE Band 30_Ant 0c	10M	QPSK	1	0	Bottom Side	10mm	27710	2310	23.46	23.50	1.009	0.06	0.417	0.421
	LTE Band 30_Ant 0c	10M	QPSK	25	0	Bottom Side	10mm	27710	2310	23.33	23.50	1.040	0	0.440	0.458
	LTE Band 30_Ant 1	10M	QPSK	1	0	Front	10mm	27710	2310	24.37	24.80	1.104	0.11	0.547	0.604
	LTE Band 30_Ant 1	10M	QPSK	1	0	Front	10mm	27710	2310	23.44	23.80	1.086	-0.18	0.441	0.479
	LTE Band 30_Ant 1	10M	QPSK	1	0	Back	10mm	27710	2310	24.37	24.80	1.104	-0.17	0.670	0.740
	LTE Band 30_Ant 1	10M	QPSK	1	0	Back	10mm	27710	2310	23.44	23.80	1.086	-0.02	0.540	0.587
	LTE Band 30_Ant 1	10M	QPSK	1	0	Left Side	10mm	27710	2310	24.37	24.80	1.104	-0.09	0.448	0.495
	LTE Band 30_Ant 1	10M	QPSK	25	0	Left Side	10mm	27710	2310	23.44	23.80	1.086	-0.15	0.356	0.387
	LTE Band 30_Ant 1	10M	QPSK	1	0	Right Side	10mm	27710	2310	24.37	24.80	1.104	0.08	0.010	0.011
	LTE Band 30_Ant 1	10M	QPSK	25	0	Right Side	10mm	27710	2310	23.44	23.80	1.086	0.07	0.007	0.008
	LTE Band 30_Ant 1	10M	QPSK	1	0	Top Side	10mm	27710	2310	24.37	24.80	1.104	-0.09	0.842	0.930
	LTE Band 30_Ant 1	10M	QPSK	25	0	Top Side	10mm	27710	2310	23.44	23.80	1.086	-0.07	0.669	0.727
	LTE Band 30_Ant 1	10M	QPSK	50	0	Top Side	10mm	27710	2310	23.44	23.80	1.086	-0.13	0.662	0.719



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 0b	20M	QPSK	1	0	Front	10mm	132072	1720	24.61	24.75	1.033	-0.03	0.623	0.643
	LTE Band 66_Ant 0b	20M	QPSK	50	0	Front	10mm	132072	1720	23.72	23.75	1.007	-0.04	0.509	0.513
	LTE Band 66_Ant 0b	20M	QPSK	1	0	Back	10mm	132072	1720	24.61	24.75	1.033	-0.04	0.725	0.749
	LTE Band 66_Ant 0b	20M	QPSK	50	0	Back	10mm	132072	1720	23.72	23.75	1.007	-0.02	0.601	0.605
	LTE Band 66_Ant 0b	20M	QPSK	1	0	Left Side	10mm	132072	1720	24.61	24.75	1.033	-0.03	0.082	0.085
	LTE Band 66_Ant 0b	20M	QPSK	50	0	Left Side	10mm	132072	1720	23.72	23.75	1.007	0	0.066	0.066
	LTE Band 66_Ant 0b	20M	QPSK	1	0	Right Side	10mm	132072	1720	24.61	24.75	1.033	-0.02	0.560	0.578
	LTE Band 66_Ant 0b	20M	QPSK	50	0	Right Side	10mm	132072	1720	23.72	23.75	1.007	0.02	0.459	0.462
	LTE Band 66_Ant 0b	20M	QPSK	1	0	Bottom Side	10mm	132072	1720	24.61	24.75	1.033	0.01	0.923	0.953
	LTE Band 66_Ant 0b	20M	QPSK	1	0	Bottom Side	10mm	132322	1745	24.6	24.75	1.035	-0.03	0.925	0.958
40	LTE Band 66_Ant 0b	20M	QPSK	1	0	Bottom Side	10mm	132572	1770	24.6	24.75	1.035	0.04	0.973	1.007
	LTE Band 66_Ant 0b	20M	QPSK	50	0	Bottom Side	10mm	132072	1720	23.72	23.75	1.007	-0.01	0.766	0.771
	LTE Band 66_Ant 0b	20M	QPSK	100	0	Bottom Side	10mm	132072	1720	23.72	23.75	1.007	0.02	0.729	0.734
	LTE Band 66B_Ant 0b	15M	QPSK	1	0	Bottom Side	10mm	132322	1745	24.35	24.75	1.096	0.09	0.895	0.981
	LTE Band 66C_Ant 0b	20M	QPSK	1	0	Bottom Side	10mm	132072	1720	24.37	24.75	1.091	0.12	0.900	0.982
	LTE Band 66_Ant 0c	20M	QPSK	1	0	Front	10mm	132072	1720	24.61	24.75	1.033	-0.03	0.296	0.306
	LTE Band 66_Ant 0c	20M	QPSK	50	0	Front	10mm	132072	1720	23.72	23.75	1.007	-0.02	0.245	0.247
	LTE Band 66_Ant 0c	20M	QPSK	1	0	Back	10mm	132072	1720	24.61	24.75	1.033	-0.02	0.318	0.328
	LTE Band 66_Ant 0c	20M	QPSK	1	0	Back	10mm	132322	1745	24.60	24.75	1.035	0	0.545	0.564
	LTE Band 66_Ant 0c	20M	QPSK	1	0	Back	10mm	132572	1770	24.60	24.75	1.035	-0.05	0.525	0.543
	LTE Band 66_Ant 0c	20M	QPSK	50	0	Back	10mm	132072	1720	23.72	23.75	1.007	-0.02	0.263	0.265
	LTE Band 66_Ant 0c	20M	QPSK	1	0	Left Side	10mm	132072	1720	24.61	24.75	1.033	0.06	0.314	0.324
	LTE Band 66_Ant 0c	20M	QPSK	50	0	Left Side	10mm	132072	1720	23.72	23.75	1.007	0.03	0.280	0.282
	LTE Band 66_Ant 0c	20M	QPSK	1	0	Right Side	10mm	132072	1720	24.61	24.75	1.033	0.15	0.018	0.019
	LTE Band 66_Ant 0c	20M	QPSK	50	0	Right Side	10mm	132072	1720	23.72	23.75	1.007	0.14	0.016	0.016
	LTE Band 66_Ant 0c	20M	QPSK	1	0	Bottom Side	10mm	132072	1720	24.61	24.75	1.033	0.09	0.084	0.087
	LTE Band 66_Ant 0c	20M	QPSK	50	0	Bottom Side	10mm	132072	1720	23.72	23.75	1.007	0.08	0.073	0.074
	LTE Band 66B_Ant 0c	15M	QPSK	1	0	Back	10mm	132322	1745	24.35	24.75	1.096	0.02	0.495	0.543
	LTE Band 66C_Ant 0c	20M	QPSK	1	0	Back	10mm	132072	1720	24.37	24.75	1.091	0.16	0.484	0.528
	LTE Band 66_Ant 1	20M	QPSK	1	0	Front	10mm	132072	1720	24.61	24.75	1.033	0.17	0.332	0.343
	LTE Band 66_Ant 1	20M	QPSK	50	0	Front	10mm	132072	1720	23.72	23.75	1.007	0.15	0.296	0.298
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	10mm	132072	1720	24.61	24.75	1.033	-0.08	0.346	0.357
	LTE Band 66_Ant 1	20M	QPSK	50	0	Back	10mm	132072	1860	23.72	23.75	1.007	-0.11	0.364	0.367
	LTE Band 66_Ant 1	20M	QPSK	1	0	Left Side	10mm	132072	1720	24.61	24.75	1.033	-0.14	0.158	0.163
	LTE Band 66_Ant 1	20M	QPSK	50	0	Left Side	10mm	132072	1720	23.72	23.75	1.007	-0.11	0.144	0.145
	LTE Band 66_Ant 1	20M	QPSK	1	0	Right Side	10mm	132072	1720	24.61	24.75	1.033	0.04	0.005	0.006
	LTE Band 66_Ant 1	20M	QPSK	50	0	Right Side	10mm	132072	1720	23.72	23.75	1.007	0.03	0.006	0.006
	LTE Band 66_Ant 1	20M	QPSK	1	0	Top Side	10mm	132072	1720	24.61	24.75	1.033	0.1	0.517	0.534
	LTE Band 66_Ant 1	20M	QPSK	1	0	Top Side	10mm	132322	1745	24.60	24.75	1.035	0.13	0.631	0.653
	LTE Band 66_Ant 1	20M	QPSK	1	0	Top Side	10mm	132572	1770	24.60	24.75	1.035	0.11	0.795	0.823
	LTE Band 66_Ant 1	20M	QPSK	50	0	Top Side	10mm	132072	1720	23.72	23.75	1.007	0.12	0.474	0.477
	LTE Band 66_Ant 1	20M	QPSK	100	0	Top Side	10mm	132072	1720	23.67	23.75	1.019	0.07	0.483	0.492
	LTE Band 66B_Ant 1	15M	QPSK	1	0	Top Side	10mm	132322	1745	24.35	24.75	1.096	0.04	0.712	0.781
	LTE Band 66C_Ant 1	20M	QPSK	1	0	Top Side	10mm	132072	1720	24.37	24.75	1.091	0.06	0.709	0.774





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 0A	20M	QPSK	1	0	Front	10mm	133297	680.5	24.78	25.00	1.052	-0.07	0.268	0.282
	LTE Band 71_Ant 0A	20M	QPSK	50	50	Front	10mm	133297	680.5	23.88	24.00	1.028	0	0.255	0.262
	LTE Band 71_Ant 0A	20M	QPSK	1	0	Back	10mm	133297	680.5	24.78	25.00	1.052	-0.01	0.297	0.312
	LTE Band 71_Ant 0A	20M	QPSK	50	50	Back	10mm	133297	680.5	23.88	24.00	1.028	0.02	0.266	0.273
41	LTE Band 71_Ant 0A	20M	QPSK	1	0	Left Side	10mm	133297	680.5	24.78	25.00	1.052	0.13	0.313	0.329
	LTE Band 71_Ant 0A	20M	QPSK	50	50	Left Side	10mm	133297	680.5	23.88	24.00	1.028	-0.05	0.284	0.292
	LTE Band 71_Ant 0A	20M	QPSK	1	0	Right Side	10mm	133297	680.5	24.78	25.00	1.052	0.05	0.156	0.164
	LTE Band 71_Ant 0A	20M	QPSK	50	50	Right Side	10mm	133297	680.5	23.88	24.00	1.028	-0.01	0.175	0.180
	LTE Band 71_Ant 0A	20M	QPSK	1	0	Bottom Side	10mm	133297	680.5	24.78	25.00	1.052	0.02	0.162	0.170
	LTE Band 71_Ant 0A	20M	QPSK	50	50	Bottom Side	10mm	133297	680.5	23.88	24.00	1.028	0.09	0.154	0.158
	LTE Band 71_Ant 1	20M	QPSK	1	0	Front	10mm	133297	680.5	24.78	25.00	1.052	-0.01	0.260	0.274
	LTE Band 71_Ant 1	20M	QPSK	50	0	Front	10mm	133297	680.5	23.88	24.00	1.028	0	0.220	0.226
	LTE Band 71_Ant 1	20M	QPSK	1	0	Back	10mm	133297	680.5	24.78	25.00	1.052	-0.05	0.266	0.280
	LTE Band 71_Ant 1	20M	QPSK	50	0	Back	10mm	133297	680.5	23.88	24.00	1.028	-0.06	0.224	0.230
	LTE Band 71_Ant 1	20M	QPSK	1	0	Left Side	10mm	133297	680.5	24.78	25.00	1.052	0.05	0.154	0.162
	LTE Band 71_Ant 1	20M	QPSK	50	0	Left Side	10mm	133297	680.5	23.88	24.00	1.028	-0.13	0.133	0.137
	LTE Band 71_Ant 1	20M	QPSK	1	0	Right Side	10mm	133297	680.5	24.78	25.00	1.052	0.03	0.080	0.084
	LTE Band 71_Ant 1	20M	QPSK	50	0	Right Side	10mm	133297	680.5	23.88	24.00	1.028	0.01	0.066	0.068
	LTE Band 71_Ant 1	20M	QPSK	1	0	Top Side	10mm	133297	680.5	24.78	25.00	1.052	0	0.102	0.107
	LTE Band 71_Ant 1	20M	QPSK	50	0	Top Side	10mm	133297	680.5	23.88	24.00	1.028	-0.01	0.083	0.085



<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 0b	20M	QPSK	1	99	Front	10mm	41490	2680	19.97	20.50	1.130	62.9	1.006	-0.09	0.318	0.361
		LTE Band 41_Ant 0b	20M	QPSK	50	50	Front	10mm	41490	2680	20.06	20.50	1.107	62.9	1.006	0.07	0.322	0.358
		LTE Band 41_Ant 0b	20M	QPSK	1	99	Back	10mm	41490	2680	19.97	20.50	1.130	62.9	1.006	-0.06	0.529	0.601
		LTE Band 41_Ant 0b	20M	QPSK	1	99	Back	10mm	39750	2506	19.96	20.50	1.132	62.9	1.006	-0.03	0.849	0.967
		LTE Band 41_Ant 0b	20M	QPSK	1	99	Back	10mm	40185	2549.5	19.86	20.50	1.159	62.9	1.006	-0.05	0.625	0.729
		LTE Band 41_Ant 0b	20M	QPSK	1	99	Back	10mm	40620	2593	19.87	20.50	1.156	62.9	1.006	-0.08	0.738	0.858
		LTE Band 41_Ant 0b	20M	QPSK	1	99	Back	10mm	41055	2636.5	19.71	20.50	1.199	62.9	1.006	0.11	0.626	0.755
		LTE Band 41_Ant 0b	20M	QPSK	50	50	Back	10mm	41490	2680	20.06	20.50	1.107	62.9	1.006	0.03	0.602	0.670
	42	LTE Band 41_Ant 0b	20M	QPSK	50	50	Back	10mm	39750	2506	20.04	20.50	1.112	62.9	1.006	-0.08	0.893	0.999
		LTE Band 41_Ant 0b	20M	QPSK	50	50	Back	10mm	40185	2549.5	19.97	20.50	1.130	62.9	1.006	0.13	0.643	0.731
		LTE Band 41_Ant 0b	20M	QPSK	50	50	Back	10mm	40620	2593	20.01	20.50	1.119	62.9	1.006	-0.08	0.781	0.880
		LTE Band 41_Ant 0b	20M	QPSK	50	50	Back	10mm	41055	2636.5	19.89	20.50	1.151	62.9	1.006	0.05	0.675	0.781
		LTE Band 41_Ant 0b	20M	QPSK	100	0	Back	10mm	41490	2680	20.05	20.50	1.109	62.9	1.006	-0.17	0.652	0.728
		LTE Band 41_Ant 0b	20M	QPSK	1	99	Left Side	10mm	41490	2680	19.97	20.50	1.130	62.9	1.006	-0.04	0.003	0.004
		LTE Band 41_Ant 0b	20M	QPSK	50	50	Left Side	10mm	41490	2680	20.06	20.50	1.107	62.9	1.006	0.01	0.003	0.003
		LTE Band 41_Ant 0b	20M	QPSK	1	99	Right Side	10mm	41490	2680	19.97	20.50	1.130	62.9	1.006	0.17	0.700	0.796
		LTE Band 41_Ant 0b	20M	QPSK	1	99	Right Side	10mm	39750	2506	19.96	20.50	1.132	62.9	1.006	-0.02	0.652	0.743
		LTE Band 41_Ant 0b	20M	QPSK	1	99	Right Side	10mm	40185	2549.5	19.86	20.50	1.159	62.9	1.006	-0.08	0.578	0.674
		LTE Band 41_Ant 0b	20M	QPSK	1	99	Right Side	10mm	40620	2593	19.87	20.50	1.156	62.9	1.006	0.08	0.582	0.677
		LTE Band 41_Ant 0b	20M	QPSK	1	99	Right Side	10mm	41055	2636.5	19.71	20.50	1.199	62.9	1.006	0.03	0.651	0.786
		LTE Band 41_Ant 0b	20M	QPSK	50	50	Right Side	10mm	41490	2680	20.06	20.50	1.107	62.9	1.006	0.19	0.706	0.786
		LTE Band 41_Ant 0b	20M	QPSK	50	50	Right Side	10mm	39750	2506	20.04	20.50	1.112	62.9	1.006	-0.04	0.659	0.737
		LTE Band 41_Ant 0b	20M	QPSK	50	50	Right Side	10mm	40185	2549.5	19.97	20.50	1.130	62.9	1.006	0.08	0.602	0.684
		LTE Band 41_Ant 0b	20M	QPSK	50	50	Right Side	10mm	40620	2593	20.01	20.50	1.119	62.9	1.006	0.11	0.665	0.749
		LTE Band 41_Ant 0b	20M	QPSK	50	50	Right Side	10mm	41055	2636.5	19.89	20.50	1.151	62.9	1.006	-0.08	0.673	0.779
		LTE Band 41_Ant 0b	20M	QPSK	100	0	Right Side	10mm	41490	2680	20.05	20.50	1.109	62.9	1.006	-0.05	0.677	0.755
		LTE Band 41_Ant 0b	20M	QPSK	1	99	Bottom Side	10mm	41490	2680	19.97	20.50	1.130	62.9	1.006	0.07	0.282	0.321
		LTE Band 41_Ant 0b	20M	QPSK	50	50	Bottom Side	10mm	41490	2680	20.06	20.50	1.107	62.9	1.006	0.08	0.302	0.336
PC2		LTE Band 41_Ant 0b	20M	QPSK	50	50	Back	10mm	39750	2506	22.00	22.50	1.122	42.9	1.009	-0.13	0.881	0.997
		LTE Band 41C_Ant 0b	20M	QPSK	1	0	Back	10mm	40185	2549.5	19.97	20.50	1.130	62.9	1.006	0.12	0.699	0.794
PC2		LTE Band 41C_Ant 0b	20M	QPSK	1	0	Back	10mm	40185	2549.5	21.85	22.50	1.161	42.9	1.009	0.16	0.755	0.885
		LTE Band 41_Ant 0c	20M	QPSK	1	99	Front	10mm	41490	2680	24.37	24.80	1.104	62.9	1.006	0.04	0.377	0.419
		LTE Band 41_Ant 0c	20M	QPSK	50	50	Front	10mm	41490	2680	23.48	23.80	1.076	62.9	1.006	0.02	0.308	0.334
		LTE Band 41_Ant 0c	20M	QPSK	1	99	Back	10mm	41490	2680	24.37	24.80	1.104	62.9	1.006	0.03	0.417	0.463
		LTE Band 41_Ant 0c	20M	QPSK	50	50	Back	10mm	41490	2680	23.48	23.80	1.076	62.9	1.006	-0.07	0.346	0.375
		LTE Band 41_Ant 0c	20M	QPSK	1	99	Left Side	10mm	41490	2680	24.37	24.80	1.104	62.9	1.006	-0.06	0.849	0.943
		LTE Band 41_Ant 0c	20M	QPSK	1	99	Left Side	10mm	39750	2506	24.10	24.80	1.175	62.9	1.006	-0.08	0.611	0.722
		LTE Band 41_Ant 0c	20M	QPSK	1	99	Left Side	10mm	40185	2549.5	24.12	24.80	1.169	62.9	1.006	-0.05	0.724	0.852
		LTE Band 41_Ant 0c	20M	QPSK	1	99	Left Side	10mm	40620	2593	24.26	24.80	1.132	62.9	1.006	-0.01	0.653	0.744
		LTE Band 41_Ant 0c	20M	QPSK	1	99	Left Side	10mm	41055	2636.5	24.13	24.80	1.167	62.9	1.006	-0.07	0.740	0.869
		LTE Band 41_Ant 0c	20M	QPSK	50	50	Left Side	10mm	41490	2680	23.48	23.80	1.076	62.9	1.006	0.01	0.731	0.792
		LTE Band 41_Ant 0c	20M	QPSK	50	24	Left Side	10mm	39750	2506	23.23	23.80	1.140	62.9	1.006	-0.05	0.492	0.564
		LTE Band 41_Ant 0c	20M	QPSK	50	24	Left Side	10mm	40185	2549.5	23.21	23.80	1.146	62.9	1.006	-0.08	0.578	0.666
		LTE Band 41_Ant 0c	20M	QPSK	50	50	Left Side	10mm	40620	2593	23.41	23.80	1.094	62.9	1.006	-0.04	0.538	0.592
		LTE Band 41_Ant 0c	20M	QPSK	50	0	Left Side	10mm	41055	2636.5	23.36	23.80	1.107	62.9	1.006	-0.03	0.636	0.708
		LTE Band 41_Ant 0c	20M	QPSK	100	0	Left Side	10mm	41490	2680	24.37	24.80	1.104	62.9	1.006	0.03	0.674	0.749
		LTE Band 41_Ant 0c	20M	QPSK	1	99	Right Side	10mm	41490	2636.5	24.37	24.80	1.104	62.9	1.006	-0.18	0.286	0.318
		LTE Band 41_Ant 0c	20M	QPSK	50	50	Right Side	10mm	41490	2636.5	23.48	23.80	1.076	62.9	1.006	-0.04	0.223	0.241
		LTE Band 41_Ant 0c	20M	QPSK	1	99	Bottom Side	10mm	41490	2680	24.37	24.80	1.104	62.9	1.006	-0.04	0.198	0.220
		LTE Band 41_Ant 0c	20M	QPSK	50	50	Bottom Side	10mm	41490	2680	23.48	23.80	1.076	62.9	1.006	-0.08	0.167	0.181



**FCC SAR TEST REPORT**

**Report No. : FA8N0616-05A**

PC2		LTE Band 41_Ant 0c	20M	QPSK	1	99	Left Side	10mm	41490	2680	26.39	26.80	1.099	62.9	1.006	0.14	0.850	0.940
		LTE Band 41C_Ant 0c	20M	QPSK	1	0	Left Side	10mm	40185	2549.5	24.58	24.80	1.052	62.9	1.006	0.19	0.611	0.647
PC2		LTE Band 41C_Ant 0c	20M	QPSK	1	0	Left Side	10mm	40185	2549.5	26.49	26.80	1.074	42.9	1.009	0.13	0.811	0.879
		LTE Band 41_Ant 1	20M	QPSK	1	99	Front	10mm	41490	2680	24.37	24.80	1.104	62.9	1.006	0.03	0.211	0.234
		LTE Band 41_Ant 1	20M	QPSK	50	50	Front	10mm	41490	2680	23.48	23.80	1.076	62.9	1.006	-0.01	0.172	0.186
		LTE Band 41_Ant 1	20M	QPSK	1	99	Back	10mm	41490	2680	24.37	24.80	1.104	62.9	1.006	-0.1	0.215	0.239
		LTE Band 41_Ant 1	20M	QPSK	1	99	Back	10mm	39750	2506	24.10	24.80	1.175	62.9	1.006	0.13	0.299	0.353
		LTE Band 41_Ant 1	20M	QPSK	1	99	Back	10mm	40185	2549.5	24.12	24.80	1.169	62.9	1.006	0.06	0.286	0.336
		LTE Band 41_Ant 1	20M	QPSK	1	99	Back	10mm	40620	2593	24.26	24.80	1.132	62.9	1.006	0.03	0.227	0.259
		LTE Band 41_Ant 1	20M	QPSK	1	99	Back	10mm	41055	2636.5	24.13	24.80	1.167	62.9	1.006	-0.06	0.214	0.251
		LTE Band 41_Ant 1	20M	QPSK	50	50	Back	10mm	41490	2680	23.48	23.80	1.076	62.9	1.006	-0.02	0.169	0.183
		LTE Band 41_Ant 1	20M	QPSK	1	99	Left Side	10mm	41490	2680	24.37	24.80	1.104	62.9	1.006	0.04	0.202	0.224
		LTE Band 41_Ant 1	20M	QPSK	50	50	Left Side	10mm	41490	2680	23.48	23.80	1.076	62.9	1.006	0	0.159	0.172
		LTE Band 41_Ant 1	20M	QPSK	1	99	Right Side	10mm	41490	2680	24.37	24.80	1.104	62.9	1.006	0.1	0.011	0.012
		LTE Band 41_Ant 1	20M	QPSK	50	50	Right Side	10mm	41490	2680	23.48	23.80	1.076	62.9	1.006	-0.09	0.008	0.009
		LTE Band 41_Ant 1	20M	QPSK	1	99	Top Side	10mm	41490	2680	24.37	24.80	1.104	62.9	1.006	-0.01	0.112	0.124
		LTE Band 41_Ant 1	20M	QPSK	50	50	Top Side	10mm	41490	2680	23.48	23.80	1.076	62.9	1.006	0.04	0.091	0.099
PC2		LTE Band 41_Ant 1	20M	QPSK	1	99	Back	10mm	41490	2680	26.39	26.80	1.099	42.9	1.009	-0.08	0.210	0.233
		LTE Band 41C_Ant 1	20M	QPSK	1	0	Back	10mm	40185	2549.5	24.58	24.80	1.052	62.9	1.006	0.06	0.270	0.286
PC2		LTE Band 41C_Ant 1	20M	QPSK	1	0	Back	10mm	40185	2549.5	26.49	26.80	1.074	42.9	1.009	0.01	0.201	0.218



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 0b	20M	QPSK	1	49	Front	10mm	56640	3690	22.52	23.00	1.117	62.9	1.006	0.02	0.167	0.188
	LTE Band 48_Ant 0b	20M	QPSK	50	24	Front	10mm	56640	3690	21.64	22.00	1.086	62.9	1.006	-0.05	0.141	0.154
	LTE Band 48_Ant 0b	20M	QPSK	1	49	Back	10mm	56640	3690	22.52	23.00	1.117	62.9	1.006	-0.07	0.223	0.251
	LTE Band 48_Ant 0b	20M	QPSK	50	24	Back	10mm	56640	3690	21.64	22.00	1.086	62.9	1.006	-0.09	0.165	0.180
	LTE Band 48_Ant 0b	20M	QPSK	1	49	Left Side	10mm	56640	3690	22.52	23.00	1.117	62.9	1.006	-0.12	0.027	0.030
	LTE Band 48_Ant 0b	20M	QPSK	50	24	Left Side	10mm	56640	3690	21.64	22.00	1.086	62.9	1.006	-0.11	0.019	0.021
	LTE Band 48_Ant 0b	20M	QPSK	1	49	Right Side	10mm	56640	3690	22.52	23.00	1.117	62.9	1.006	0.12	0.246	0.276
	LTE Band 48_Ant 0b	20M	QPSK	1	49	Right Side	10mm	55340	3560	22.51	23.00	1.119	62.9	1.006	0.14	0.264	0.297
	LTE Band 48_Ant 0b	20M	QPSK	1	49	Right Side	10mm	55830	3609	22.36	23.00	1.159	62.9	1.006	0.14	0.244	0.284
	LTE Band 48_Ant 0b	20M	QPSK	1	49	Right Side	10mm	56150	3641	22.14	23.00	1.219	62.9	1.006	0.07	0.232	0.285
	LTE Band 48_Ant 0b	20M	QPSK	50	24	Right Side	10mm	56640	3690	21.64	22.00	1.086	62.9	1.006	0.01	0.212	0.232
	LTE Band 48_Ant 0b	20M	QPSK	1	49	Bottom Side	10mm	56640	3690	22.52	23.00	1.117	62.9	1.006	0.16	0.170	0.191
	LTE Band 48_Ant 0b	20M	QPSK	50	24	Bottom Side	10mm	56640	3690	21.64	22.00	1.086	62.9	1.006	0.11	0.147	0.161
	LTE Band 48C_Ant 0b	20M	QPSK	1	0	Right Side	10mm	55830	3609	22.00	23.00	1.259	62.9	1.006	-0.07	0.214	0.271
	LTE Band 48_Ant 0c	20M	QPSK	1	49	Front	10mm	56640	3690	22.52	23.00	1.117	62.9	1.006	0.03	0.169	0.190
	LTE Band 48_Ant 0c	20M	QPSK	50	24	Front	10mm	56640	3690	21.64	22.00	1.086	62.9	1.006	0.13	0.128	0.140
	LTE Band 48_Ant 0c	20M	QPSK	1	49	Back	10mm	56640	3690	22.52	23.00	1.117	62.9	1.006	-0.09	0.223	0.251
43	LTE Band 48_Ant 0c	20M	QPSK	1	49	Back	10mm	55340	3560	22.51	23.00	1.119	62.9	1.006	-0.02	0.412	0.464
	LTE Band 48_Ant 0c	20M	QPSK	1	49	Back	10mm	55830	3609	22.36	23.00	1.159	62.9	1.006	-0.11	0.325	0.379
	LTE Band 48_Ant 0c	20M	QPSK	1	49	Back	10mm	56150	3641	22.14	23.00	1.219	62.9	1.006	-0.14	0.286	0.351
	LTE Band 48_Ant 0c	20M	QPSK	50	24	Back	10mm	56640	3690	21.64	22.00	1.086	62.9	1.006	-0.05	0.179	0.196
	LTE Band 48_Ant 0c	20M	QPSK	1	49	Left Side	10mm	56640	3690	22.52	23.00	1.117	62.9	1.006	-0.07	0.063	0.071
	LTE Band 48_Ant 0c	20M	QPSK	50	24	Left Side	10mm	56640	3690	21.64	22.00	1.086	62.9	1.006	-0.05	0.045	0.049
	LTE Band 48_Ant 0c	20M	QPSK	1	49	Right Side	10mm	56640	3690	22.52	23.00	1.117	62.9	1.006	-0.17	0.023	0.026
	LTE Band 48_Ant 0c	20M	QPSK	50	24	Right Side	10mm	56640	3690	21.64	22.00	1.086	62.9	1.006	-0.12	0.015	0.016
	LTE Band 48_Ant 0c	20M	QPSK	1	49	Bottom Side	10mm	56640	3690	22.52	23.00	1.117	62.9	1.006	0.14	0.170	0.191
	LTE Band 48_Ant 0c	20M	QPSK	50	24	Bottom Side	10mm	56640	3690	21.64	22.00	1.086	62.9	1.006	-0.08	0.146	0.160
	LTE Band 48C_Ant 0c	20M	QPSK	1	0	Back	10mm	55830	3609	22.00	23.00	1.259	62.9	1.006	0.12	0.346	0.438



<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	11	2462	16.9	17	1.023	99.52	1.005	0.04	0.109	0.112
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 2	11	2462	16.9	17	1.023	99.52	1.005	0.06	0.109	0.112
	WLAN2.4GHz	802.11b 1Mbps	Left Side	10mm	Ant 2	11	2462	16.9	17	1.023	99.52	1.005	-0.12	0.198	0.204
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 2	11	2462	16.9	17	1.023	99.52	1.005	0.12	0.010	0.010
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 3	11	2462	18.4	18.5	1.023	99.28	1.007	0.04	0.230	0.237
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	11	2462	18.4	18.5	1.023	99.28	1.007	-0.13	0.286	0.295
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 3	11	2462	18.4	18.5	1.023	99.28	1.007	0.06	0.573	0.590
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 3	1	2412	18.3	18.5	1.047	99.28	1.007	0.14	0.330	0.348
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 3	6	2437	18.2	18.5	1.072	99.28	1.007	-0.08	0.413	0.446
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 3	11	2462	18.4	18.5	1.023	99.28	1.007	0.14	0.204	0.210
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 2+3(2)	11	2462	20.4	20.5	1.023	99.2	1.008	0.04	0.514	0.530
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 2+3(3)	11	2462	19.4	19.5	1.023	99.2	1.008	0.04	0.312	0.322
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 2+3(2)	11	2462	20.4	20.5	1.023	99.2	1.008	0.11	0.561	0.579
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 2+3(3)	11	2462	19.4	19.5	1.023	99.2	1.008	0.11	0.482	0.497
	WLAN2.4GHz	802.11b 1Mbps	Left Side	10mm	Ant 2+3	11	2462	20.4	20.5	1.023	99.2	1.008	-0.08	0.557	0.575
44	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 2+3	11	2462	20.4	20.5	1.023	99.2	1.008	0.1	0.580	0.598
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 2+3	1	2412	20.38	20.5	1.028	99.2	1.008	0.04	0.458	0.475
	WLAN2.4GHz	802.11b 1Mbps	Right Side	10mm	Ant 2+3	6	2437	20.29	20.5	1.050	99.2	1.008	0.14	0.474	0.501
	WLAN2.4GHz	802.11b 1Mbps	Top Side	10mm	Ant 2+3	11	2462	20.4	20.5	1.023	99.2	1.008	0.03	0.327	0.337

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 2	46	5230	15.2	15.5	1.072	95.45	1.048	0.14	0.113	0.127
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 2	46	5230	15.2	15.5	1.072	95.45	1.048	0.06	0.154	0.173
	WLAN5GHz	802.11n-HT40 MCS0	Left Side	10mm	Ant 2	46	5230	15.2	15.5	1.072	95.45	1.048	0.09	0.299	0.336
	WLAN5GHz	802.11n-HT40 MCS0	Left Side	10mm	Ant 2	38	5190	15	15.5	1.122	95.45	1.048	0.16	0.269	0.316
	WLAN5GHz	802.11n-HT40 MCS0	Top Side	10mm	Ant 2	46	5230	15.2	15.5	1.072	95.45	1.048	0.12	0.036	0.040
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 5	46	5230	17.8	18	1.047	95.45	1.048	-0.08	0.046	0.050
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 5	46	5230	17.8	18	1.047	95.45	1.048	0.11	0.164	0.180
	WLAN5GHz	802.11n-HT40 MCS0	Left Side	10mm	Ant 5	46	5230	17.8	18	1.047	95.45	1.048	-0.01	0.053	0.058
	WLAN5GHz	802.11n-HT40 MCS0	Top Side	10mm	Ant 5	46	5230	17.8	18	1.047	95.45	1.048	-0.14	0.081	0.089
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 2+5	46	5230	14.58	15	1.102	95.45	1.048	-0.17	0.151	0.174
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 2+5	46	5230	14.58	15	1.102	95.45	1.048	0.03	0.274	0.316
45	WLAN5GHz	802.11n-HT40 MCS0	Left Side	10mm	Ant 2+5	46	5230	14.58	15	1.102	95.45	1.048	0.05	0.331	0.382
	WLAN5GHz	802.11n-HT40 MCS0	Left Side	10mm	Ant 2+5	38	5190	14.55	15	1.109	95.45	1.048	-0.01	0.324	0.377
	WLAN5GHz	802.11n-HT40 MCS0	Top Side	10mm	Ant 2+5	46	5230	17.98	18	1.005	95.45	1.048	0.08	0.062	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	802.11ac-VHT80 MCS0	Front	10mm	Ant 2	155	5775	15.70	16.00	1.072	91.67	1.091	0.06	0.082	0.096
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 2	155	5775	15.70	16.00	1.072	91.67	1.091	0.17	0.109	0.127
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 2	155	5775	15.70	16.00	1.072	91.67	1.091	-0.13	0.273	0.319
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Side	10mm	Ant 2	155	5775	15.70	16.00	1.072	91.67	1.091	0.08	0.060	0.070
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 5	155	5775	17.70	18.00	1.072	90.87	1.100	0.17	0.070	0.083
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 5	155	5775	17.70	18.00	1.072	90.87	1.100	-0.11	0.245	0.289
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 5	155	5775	17.70	18.00	1.072	90.87	1.100	-0.17	0.060	0.071
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Side	10mm	Ant 5	155	5775	17.70	18.00	1.072	90.87	1.100	0.01	0.094	0.111
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 2+5	155	5775	14.33	14.5	1.040	92.15	1.085	0.01	0.161	0.182
46	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 2+5	155	5775	14.33	14.5	1.040	92.15	1.085	-0.1	0.321	0.362
	WLAN5GHz	802.11ac-VHT80 MCS0	Left Side	10mm	Ant 2+5	155	5775	14.33	14.5	1.040	92.15	1.085	0.11	0.255	0.288
	WLAN5GHz	802.11ac-VHT80 MCS0	Top Side	10mm	Ant 2+5	155	5775	14.33	14.5	1.040	92.15	1.085	0.14	0.071	0.080

<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	00	2402	18.67	19.00	1.079	76.84	1.301	-0.03	0.073	0.102
	Bluetooth	1Mbps	Back	10mm	Ant 2	00	2402	18.67	19.00	1.079	76.84	1.301	0.06	0.103	0.145
47	Bluetooth	1Mbps	Left Side	10mm	Ant 2	00	2402	18.67	19.00	1.079	76.84	1.301	0.18	0.142	0.199
	Bluetooth	1Mbps	Left Side	10mm	Ant 2	39	2441	18.60	19.00	1.096	76.84	1.301	0.08	0.131	0.187
	Bluetooth	1Mbps	Left Side	10mm	Ant 2	78	2480	18.16	19.00	1.213	76.84	1.301	0.18	0.121	0.191
	Bluetooth	1Mbps	Top Side	10mm	Ant 2	00	2402	18.67	19.00	1.079	76.84	1.301	-0.05	0.036	0.051

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 0A	GPRS (4 Tx slots)	Front	10mm	251	848.8	29.00	30.50	1.413	0.11	0.543	0.767			
	GSM850_Ant 0A	GPRS (4 Tx slots)	Back	10mm	251	848.8	29.00	30.50	1.413	0.04	0.736	1.040			
	GSM850_Ant 0A	GPRS (4 Tx slots)	Back	10mm	128	824.2	28.95	30.50	1.429	-0.13	0.608	0.869			
48	GSM850_Ant 0A	GPRS (4 Tx slots)	Back	10mm	189	836.4	28.92	30.50	1.439	0	0.730	1.050			
	GSM850_Ant 1	GPRS (4 Tx slots)	Front	10mm	251	848.8	29.00	30.50	1.413	-0.15	0.421	0.595			
	GSM850_Ant 1	GPRS (4 Tx slots)	Back	10mm	251	848.8	29.00	30.50	1.413	0.13	0.426	0.602			
	GSM850_Ant 1	GPRS (4 Tx slots)	Back	10mm	128	824.2	28.95	30.50	1.429	0.04	0.432	0.617			
	GSM850_Ant 1	GPRS (4 Tx slots)	Back	10mm	189	836.4	28.92	30.50	1.439	0.13	0.460	0.662			
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 0A	GPRS (4 Tx slots)	Front	10mm	251	848.8	29.00	30.00	1.259	0.11	0.543	0.684			
	GSM850_Ant 0A	GPRS (4 Tx slots)	Back	10mm	251	848.8	29.00	30.00	1.259	0.04	0.736	0.927			
	GSM850_Ant 0A	GPRS (4 Tx slots)	Back	10mm	128	824.2	28.95	30.00	1.274	-0.13	0.608	0.774			
	GSM850_Ant 0A	GPRS (4 Tx slots)	Back	10mm	189	836.4	28.92	30.00	1.282	0	0.730	0.936			
	GSM850_Ant 1	GPRS (4 Tx slots)	Front	10mm	251	848.8	29.00	30.50	1.413	-0.15	0.421	0.595			
	GSM850_Ant 1	GPRS (4 Tx slots)	Back	10mm	251	848.8	29.00	30.50	1.413	0.13	0.426	0.602			
	GSM850_Ant 1	GPRS (4 Tx slots)	Back	10mm	128	824.2	28.95	30.50	1.429	0.04	0.432	0.617			
	GSM850_Ant 1	GPRS (4 Tx slots)	Back	10mm	189	836.4	28.92	30.50	1.439	0.13	0.460	0.662			



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)
	GSM1900_Ant 0b	GPRS (4 Tx slots)	Front	10mm	810	1909.8	26.46	28.00	1.426	-0.09	0.652	0.929
	GSM1900_Ant 0b	GPRS (4 Tx slots)	Front	10mm	512	1850.2	26.45	28.00	1.429	-0.04	0.615	0.879
	GSM1900_Ant 0b	GPRS (4 Tx slots)	Front	10mm	661	1880	26.38	28.00	1.452	-0.04	0.614	0.892
	GSM1900_Ant 0b	GPRS (4 Tx slots)	Back	10mm	810	1909.8	26.46	28.00	1.426	0.01	0.485	0.691
	GSM1900_Ant 0c	GPRS (4 Tx slots)	Front	10mm	810	1909.8	26.46	28.00	1.426	-0.04	0.451	0.643
	GSM1900_Ant 0c	GPRS (4 Tx slots)	Back	10mm	810	1909.8	26.46	28.00	1.426	-0.13	0.695	0.991
	GSM1900_Ant 0c	GPRS (4 Tx slots)	Back	10mm	512	1850.2	26.45	28.00	1.429	-0.13	0.680	0.972
49	GSM1900_Ant 0c	GPRS (4 Tx slots)	Back	10mm	661	1880	26.38	28.00	1.452	-0.13	0.688	0.999
	GSM1900_Ant 1	GPRS (4 Tx slots)	Front	10mm	810	1909.8	26.46	28.00	1.426	-0.02	0.367	0.523
	GSM1900_Ant 1	GPRS (4 Tx slots)	Back	10mm	810	1909.8	26.46	28.00	1.426	-0.1	0.540	0.770
	GSM1900_Ant 1	GPRS (4 Tx slots)	Back	10mm	512	1850.2	26.45	28.00	1.429	-0.02	0.417	0.596
	GSM1900_Ant 1	GPRS (4 Tx slots)	Back	10mm	661	1880	26.38	28.00	1.452	-0.03	0.470	0.682

**<WCDMA SAR>**

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)
	WCDMA II_Ant 0b	RMC 12.2Kbps	Front	10mm	9400	1880	24.75	24.75	1.000	-0.04	0.877	0.877
	WCDMA II_Ant 0b	RMC 12.2Kbps	Front	10mm	9262	1852.4	24.71	24.75	1.009	-0.02	0.883	0.891
	WCDMA II_Ant 0b	RMC 12.2Kbps	Front	10mm	9538	1907.6	24.74	24.75	1.002	-0.05	0.810	0.812
	WCDMA II_Ant 0b	RMC 12.2Kbps	Back	10mm	9400	1880	24.75	24.75	1.000	-0.03	0.861	0.861
	WCDMA II_Ant 0b	RMC 12.2Kbps	Back	10mm	9262	1852.4	24.71	24.75	1.009	-0.01	0.848	0.856
	WCDMA II_Ant 0b	RMC 12.2Kbps	Back	10mm	9538	1907.6	24.74	24.75	1.002	-0.03	0.707	0.709
	WCDMA II_Ant 0c	RMC 12.2Kbps	Front	10mm	9400	1880	24.75	24.75	1.000	0.01	0.542	0.542
	WCDMA II_Ant 0c	RMC 12.2Kbps	Back	10mm	9400	1880	24.75	24.75	1.000	-0.04	0.822	0.822
50	WCDMA II_Ant 0c	RMC 12.2Kbps	Back	10mm	9262	1852.4	24.71	24.75	1.009	0.02	0.980	0.989
	WCDMA II_Ant 0c	RMC 12.2Kbps	Back	10mm	9538	1907.6	24.74	24.75	1.002	0.07	0.786	0.788
	WCDMA II_Ant 1	RMC 12.2Kbps	Front	10mm	9400	1880	24.75	24.75	1.000	0	0.586	0.586
	WCDMA II_Ant 1	RMC 12.2Kbps	Back	10mm	9400	1880	24.75	24.75	1.000	-0.05	0.784	0.784
	WCDMA II_Ant 1	RMC 12.2Kbps	Back	10mm	9262	1852.4	24.71	24.75	1.009	-0.09	0.654	0.660
	WCDMA II_Ant 1	RMC 12.2Kbps	Back	10mm	9538	1907.6	24.74	24.75	1.002	-0.06	0.783	0.785

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)
	WCDMA IV_Ant 0b	RMC 12.2Kbps	Front	10mm	1312	1712.4	24.73	24.75	1.005	-0.04	0.724	0.727
	WCDMA IV_Ant 0b	RMC 12.2Kbps	Back	10mm	1312	1712.4	24.73	24.75	1.005	-0.09	0.797	0.801
	WCDMA IV_Ant 0b	RMC 12.2Kbps	Back	10mm	1413	1732.6	24.71	24.75	1.009	-0.04	0.806	0.813
	WCDMA IV_Ant 0b	RMC 12.2Kbps	Back	10mm	1513	1752.6	24.70	24.75	1.012	-0.04	0.852	0.862
	WCDMA IV_Ant 0c	RMC 12.2Kbps	Front	10mm	1312	1712.4	24.73	24.75	1.005	0.07	0.579	0.582
	WCDMA IV_Ant 0c	RMC 12.2Kbps	Back	10mm	1312	1712.4	24.73	24.75	1.005	0.12	0.955	0.959
	WCDMA IV_Ant 0c	RMC 12.2Kbps	Back	10mm	1413	1732.6	24.71	24.75	1.009	0.11	0.988	0.997
51	WCDMA IV_Ant 0c	RMC 12.2Kbps	Back	10mm	1513	1752.6	24.70	24.75	1.012	0.12	0.989	1.000
	WCDMA IV_Ant 1	RMC 12.2Kbps	Front	10mm	1312	1712.4	24.73	24.75	1.005	0.05	0.369	0.371
	WCDMA IV_Ant 1	RMC 12.2Kbps	Back	10mm	1312	1712.4	24.73	24.75	1.005	-0.01	0.401	0.403
	WCDMA IV_Ant 1	RMC 12.2Kbps	Back	10mm	1413	1732.6	24.71	24.75	1.009	-0.08	0.478	0.482
	WCDMA IV_Ant 1	RMC 12.2Kbps	Back	10mm	1513	1752.6	24.70	24.75	1.012	0.12	0.568	0.575



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)
	WCDMA V_Ant 0A	RMC 12.2Kbps	Front	10mm	4182	836.4	24.99	25.00	1.002	0.01	0.504	0.505
52	WCDMA V_Ant 0A	RMC 12.2Kbps	Back	10mm	4182	836.4	24.99	25.00	1.002	-0.05	0.649	0.650
	WCDMA V_Ant 0A	RMC 12.2Kbps	Back	10mm	4132	826.4	24.94	25.00	1.014	-0.04	0.618	0.627
	WCDMA V_Ant 0A	RMC 12.2Kbps	Back	10mm	4233	846.6	24.53	25.00	1.114	-0.08	0.564	0.628
	WCDMA V_Ant 1	RMC 12.2Kbps	Front	10mm	4182	836.4	24.99	25.00	1.002	-0.05	0.582	0.583
	WCDMA V_Ant 1	RMC 12.2Kbps	Front	10mm	4132	826.4	24.94	25.00	1.014	0.06	0.441	0.447
	WCDMA V_Ant 1	RMC 12.2Kbps	Front	10mm	4233	846.6	24.53	25.00	1.114	0.1	0.414	0.461
	WCDMA V_Ant 1	RMC 12.2Kbps	Back	10mm	4182	836.4	24.99	25.00	1.002	-0.05	0.575	0.576

<CDMA SAR>

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 BC0_Ant 0A	1xRTT RC3 SO32	Front	10mm	384	836.52	24.94	25.00	1.014	-0.11	0.474	0.481
53	CDMA BC0_Ant 0A	1xRTT RC3 SO32	Back	10mm	384	836.52	24.94	25.00	1.014	-0.03	0.659	0.668
	CDMA BC0_Ant 0A	1xRTT RC3 SO32	Back	10mm	1013	824.7	24.93	25.00	1.016	-0.07	0.610	0.620
	CDMA BC0_Ant 0A	1xRTT RC3 SO32	Back	10mm	777	848.31	24.94	25.00	1.014	-0.09	0.634	0.643
	CDMA BC0_Ant 1	1xRTT RC3 SO32	Front	10mm	384	836.52	24.94	25.00	1.014	-0.1	0.466	0.472
	CDMA BC0_Ant 1	1xRTT RC3 SO32	Back	10mm	384	836.52	24.94	25.00	1.014	0.18	0.485	0.492
	CDMA BC0_Ant 1	1xRTT RC3 SO32	Back	10mm	1013	824.7	24.93	25.00	1.016	0.08	0.496	0.504
	CDMA BC0_Ant 1	1xRTT RC3 SO32	Back	10mm	777	848.31	24.94	25.00	1.014	0.18	0.484	0.491

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 BC1_Ant 0b	1xRTT RC3 SO32	Front	10mm	1175	1908.75	24.72	24.75	1.007	-0.01	0.787	0.792
	CDMA BC1_Ant 0b	1xRTT RC3 SO32	Front	10mm	25	1851.25	24.71	24.75	1.009	-0.06	0.777	0.784
	CDMA BC1_Ant 0b	1xRTT RC3 SO32	Front	10mm	600	1880	24.73	24.75	1.005	-0.01	0.759	0.763
	CDMA BC1_Ant 0b	1xRTT RC3 SO32	Back	10mm	1175	1908.75	24.72	24.75	1.007	-0.07	0.675	0.680
	CDMA BC1_Ant 1	1xRTT RC3 SO32	Front	10mm	1175	1908.75	24.72	24.75	1.007	0.04	0.643	0.647
	CDMA BC1_Ant 1	1xRTT RC3 SO32	Back	10mm	1175	1908.75	24.72	24.75	1.007	-0.13	0.818	0.824
	CDMA BC1_Ant 1	1xRTT RC3 SO32	Back	10mm	25	1851.25	24.68	24.75	1.016	-0.1	0.837	0.851
54	CDMA BC1_Ant 1	1xRTT RC3 SO32	Back	10mm	600	1880	24.71	24.75	1.009	-0.08	0.899	0.907

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 0A	1xRTT RC3 SO32	Front	10mm	580	820.5	24.93	25.00	1.016	0	0.401	0.408
55	CDMA BC10_Ant 0A	1xRTT RC3 SO32	Back	10mm	580	820.5	24.93	25.00	1.016	-0.09	0.601	0.611
	CDMA BC10_Ant 1	1xRTT RC3 SO32	Front	10mm	580	820.5	24.93	25.00	1.016	0.02	0.501	0.509
	CDMA BC10_Ant 1	1xRTT RC3 SO32	Back	10mm	580	820.5	24.93	25.00	1.016	0.01	0.500	0.508





<FDD LTE SAR>

Standalone																
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Headset	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 0b	20M	QPSK	1	99	Front	10mm		20850	2510	18.31	20.00	1.476	-0.03	0.449	0.663
	LTE Band 7_Ant 0b	20M	QPSK	50	50	Front	10mm		20850	2510	18.43	20.00	1.435	-0.05	0.450	0.646
	LTE Band 7_Ant 0b	20M	QPSK	1	99	Back	10mm		20850	2510	18.31	20.00	1.476	-0.13	0.905	1.336
	LTE Band 7_Ant 0b	20M	QPSK	1	99	Back	10mm		21100	2535	18.24	20.00	1.500	-0.11	0.843	1.264
	LTE Band 7_Ant 0b	20M	QPSK	1	99	Back	10mm		21350	2560	18.30	20.00	1.479	-0.13	0.826	1.222
56	LTE Band 7_Ant 0b	20M	QPSK	50	50	Back	10mm		20850	2510	18.43	20.00	1.435	-0.16	0.932	1.338
	LTE Band 7_Ant 0b	20M	QPSK	50	50	Back	10mm		21100	2535	18.38	20.00	1.452	0.13	0.895	1.300
	LTE Band 7_Ant 0b	20M	QPSK	50	50	Back	10mm		21350	2560	18.39	20.00	1.449	-0.12	0.840	1.217
	LTE Band 7_Ant 0b	20M	QPSK	100	0	Back	10mm		20850	2510	18.38	20.00	1.452	-0.13	0.886	1.287
	LTE Band 7_Ant 0b	20M	QPSK	50	50	Back	10mm	Headset	20850	2510	18.43	20.00	1.435	-0.11	0.890	1.278
	LTE Band 7_Ant 1	20M	QPSK	1	99	Front	10mm		20850	2510	24.62	24.80	1.042	0.09	0.447	0.466
	LTE Band 7_Ant 1	20M	QPSK	50	50	Front	10mm		20850	2510	23.69	23.80	1.026	0.1	0.376	0.386
	LTE Band 7_Ant 1	20M	QPSK	1	99	Back	10mm		20850	2510	24.62	24.80	1.042	0.07	0.501	0.522
	LTE Band 7_Ant 1	20M	QPSK	1	99	Back	10mm		21100	2535	24.57	24.80	1.054	0.09	0.443	0.467
	LTE Band 7_Ant 1	20M	QPSK	1	99	Back	10mm		21350	2560	24.60	24.80	1.047	0.09	0.435	0.456
	LTE Band 7_Ant 1	20M	QPSK	50	50	Back	10mm		20850	2510	23.69	23.80	1.026	0.06	0.408	0.418
Simultaneous Transmission is active																
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Headset	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 0b	20M	QPSK	1	99	Front	10mm		20850	2510	18.31	18.50	1.045	-0.03	0.449	0.469
	LTE Band 7_Ant 0b	20M	QPSK	50	50	Front	10mm		20850	2510	18.43	18.50	1.016	-0.05	0.450	0.457
	LTE Band 7_Ant 0b	20M	QPSK	1	99	Back	10mm		20850	2510	18.31	18.50	1.045	-0.13	0.905	0.945
	LTE Band 7_Ant 0b	20M	QPSK	1	99	Back	10mm		21100	2535	18.24	18.50	1.062	-0.11	0.843	0.895
	LTE Band 7_Ant 0b	20M	QPSK	1	99	Back	10mm		21350	2560	18.30	18.50	1.047	-0.13	0.826	0.865
	LTE Band 7_Ant 0b	20M	QPSK	50	50	Back	10mm		20850	2510	18.43	18.50	1.016	-0.16	0.932	0.947
	LTE Band 7_Ant 0b	20M	QPSK	50	50	Back	10mm		21100	2535	18.38	18.50	1.028	0.13	0.895	0.920
	LTE Band 7_Ant 0b	20M	QPSK	50	50	Back	10mm		21350	2560	18.39	18.50	1.026	-0.12	0.840	0.862
	LTE Band 7_Ant 0b	20M	QPSK	100	0	Back	10mm		20850	2510	18.38	18.50	1.028	-0.13	0.886	0.911
	LTE Band 7_Ant 0b	20M	QPSK	50	50	Back	10mm	Headset	20850	2510	18.43	18.50	1.016	-0.11	0.890	0.904
	LTE Band 7_Ant 1	20M	QPSK	1	99	Front	10mm		20850	2510	24.62	24.80	1.042	0.09	0.447	0.466
	LTE Band 7_Ant 1	20M	QPSK	50	50	Front	10mm		20850	2510	23.69	23.80	1.026	0.1	0.376	0.386
	LTE Band 7_Ant 1	20M	QPSK	1	99	Back	10mm		20850	2510	24.62	24.80	1.042	0.07	0.501	0.522
	LTE Band 7_Ant 1	20M	QPSK	1	99	Back	10mm		21100	2535	24.57	24.80	1.054	0.09	0.443	0.467
	LTE Band 7_Ant 1	20M	QPSK	1	99	Back	10mm		21350	2560	24.60	24.80	1.047	0.09	0.435	0.456
	LTE Band 7_Ant 1	20M	QPSK	50	50	Back	10mm		20850	2510	23.69	23.80	1.026	0.06	0.408	0.418



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 0A	10M	QPSK	1	25	Front	10mm	23095	707.5	24.70	25.00	1.072	-0.13	0.288	0.309
	LTE Band 12_Ant 0A	10M	QPSK	25	0	Front	10mm	23095	707.5	23.86	24.00	1.033	-0.02	0.247	0.255
	LTE Band 12_Ant 0A	10M	QPSK	1	25	Back	10mm	23095	707.5	24.70	25.00	1.072	-0.02	0.290	0.311
	LTE Band 12_Ant 0A	10M	QPSK	25	0	Back	10mm	23095	707.5	23.86	24.00	1.033	0	0.244	0.252
57	LTE Band 12_Ant 1	10M	QPSK	1	25	Front	10mm	23095	707.5	24.70	25.00	1.072	-0.05	0.411	0.440
	LTE Band 12_Ant 1	10M	QPSK	25	0	Front	10mm	23095	707.5	23.86	24.00	1.033	-0.15	0.342	0.353
	LTE Band 12_Ant 1	10M	QPSK	1	25	Back	10mm	23095	707.5	24.70	25.00	1.072	0	0.407	0.436
	LTE Band 12_Ant 1	10M	QPSK	25	0	Back	10mm	23095	707.5	23.86	24.00	1.033	-0.18	0.342	0.353

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 0A	10M	QPSK	1	25	Front	10mm	23230	782	24.66	25.00	1.081	0	0.358	0.387
	LTE Band 13_Ant 0A	10M	QPSK	25	25	Front	10mm	23230	782	23.77	24.00	1.054	-0.02	0.294	0.310
	LTE Band 13_Ant 0A	10M	QPSK	1	25	Back	10mm	23230	782	24.66	25.00	1.081	0.01	0.477	0.516
	LTE Band 13_Ant 0A	10M	QPSK	25	25	Back	10mm	23230	782	23.77	24.00	1.054	-0.01	0.393	0.414
58	LTE Band 13_Ant 1	10M	QPSK	1	25	Front	10mm	23230	782	24.66	25.00	1.081	0.05	0.544	0.588
	LTE Band 13_Ant 1	10M	QPSK	25	25	Front	10mm	23230	782	23.77	24.00	1.054	-0.11	0.440	0.464
	LTE Band 13_Ant 1	10M	QPSK	1	25	Back	10mm	23230	782	24.66	25.00	1.081	0.06	0.539	0.583
	LTE Band 13_Ant 1	10M	QPSK	25	25	Back	10mm	23230	782	23.77	24.00	1.054	-0.17	0.436	0.460

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 0A	10M	QPSK	1	0	Front	10mm	23330	793	24.77	25.00	1.054	-0.01	0.372	0.392
	LTE Band 14_Ant 0A	10M	QPSK	25	0	Front	10mm	23330	793	23.86	24.00	1.033	0	0.316	0.326
	LTE Band 14_Ant 0A	10M	QPSK	1	0	Back	10mm	23330	793	24.77	25.00	1.054	-0.07	0.493	0.520
	LTE Band 14_Ant 0A	10M	QPSK	25	0	Back	10mm	23330	793	23.86	24.00	1.033	-0.06	0.411	0.424
	LTE Band 14_Ant 1	10M	QPSK	1	0	Front	10mm	23330	793	24.77	25.00	1.054	0.09	0.520	0.548
	LTE Band 14_Ant 1	10M	QPSK	25	0	Front	10mm	23330	793	23.86	24.00	1.033	-0.07	0.423	0.437
59	LTE Band 14_Ant 1	10M	QPSK	1	0	Back	10mm	23330	793	24.77	25.00	1.054	0.07	0.546	0.576
	LTE Band 14_Ant 1	10M	QPSK	25	0	Back	10mm	23330	793	23.86	24.00	1.033	-0.12	0.460	0.475



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 25_Ant 0b	20M	QPSK	1	0	Front	10mm	26140	1860	24.58	24.75	1.040	-0.13	0.861	0.895
	LTE Band 25_Ant 0b	20M	QPSK	1	0	Front	10mm	26340	1880	24.56	24.75	1.045	-0.15	0.869	0.908
	LTE Band 25_Ant 0b	20M	QPSK	1	0	Front	10mm	26590	1905	24.47	24.75	1.067	-0.12	0.631	0.673
	LTE Band 25_Ant 0b	20M	QPSK	50	0	Front	10mm	26140	1860	23.64	23.75	1.026	-0.15	0.684	0.702
	LTE Band 25_Ant 0b	20M	QPSK	100	0	Front	10mm	26140	1860	23.59	23.75	1.038	-0.12	0.696	0.722
60	LTE Band 25_Ant 0b	20M	QPSK	1	0	Back	10mm	26140	1860	24.58	24.75	1.040	-0.03	0.962	1.000
	LTE Band 25_Ant 0b	20M	QPSK	1	0	Back	10mm	26340	1880	24.56	24.75	1.045	-0.02	0.955	0.998
	LTE Band 25_Ant 0b	20M	QPSK	1	0	Back	10mm	26590	1905	24.47	24.75	1.067	-0.03	0.864	0.922
	LTE Band 25_Ant 0b	20M	QPSK	50	0	Back	10mm	26140	1860	23.64	23.75	1.026	-0.03	0.776	0.796
	LTE Band 25_Ant 0b	20M	QPSK	100	0	Back	10mm	26140	1860	23.59	23.75	1.038	-0.02	0.764	0.793
	LTE Band 25_Ant 0c	20M	QPSK	1	0	Front	10mm	26140	1860	24.58	24.75	1.040	0	0.427	0.444
	LTE Band 25_Ant 0c	20M	QPSK	50	0	Front	10mm	26140	1860	23.64	23.75	1.03	-0.01	0.341	0.350
	LTE Band 25_Ant 0c	20M	QPSK	1	0	Back	10mm	26140	1860	24.58	24.75	1.04	0.14	0.470	0.489
	LTE Band 25_Ant 0c	20M	QPSK	1	0	Back	10mm	26340	1880	24.56	24.75	1.04	0	0.466	0.487
	LTE Band 25_Ant 0c	20M	QPSK	1	0	Back	10mm	26590	1905	24.47	24.75	1.07	-0.01	0.467	0.498
	LTE Band 25_Ant 0c	20M	QPSK	50	0	Back	10mm	26140	1860	23.64	23.75	1.03	-0.08	0.377	0.387
	LTE Band 25_Ant 1	20M	QPSK	1	0	Front	10mm	26140	1860	24.58	24.75	1.040	0.09	0.561	0.583
	LTE Band 25_Ant 1	20M	QPSK	50	0	Front	10mm	26140	1860	23.64	23.75	1.026	0.05	0.442	0.453
	LTE Band 25_Ant 1	20M	QPSK	1	0	Back	10mm	26140	1860	24.58	24.75	1.040	-0.05	0.563	0.585
	LTE Band 25_Ant 1	20M	QPSK	1	0	Back	10mm	26340	1880	24.56	24.75	1.045	-0.03	0.658	0.687
	LTE Band 25_Ant 1	20M	QPSK	1	0	Back	10mm	26590	1905	24.47	24.75	1.067	-0.15	0.693	0.739
	LTE Band 25_Ant 1	20M	QPSK	50	0	Back	10mm	26140	1860	23.64	23.75	1.026	-0.13	0.453	0.465

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 26_Ant 0A	15M	QPSK	1	0	Front	10mm	26865	831.5	24.72	25.00	1.067	0.01	0.459	0.490
	LTE Band 26_Ant 0A	15M	QPSK	36	20	Front	10mm	26865	831.5	23.83	24.00	1.040	-0.01	0.388	0.403
61	LTE Band 26_Ant 0A	15M	QPSK	1	0	Back	10mm	26865	831.5	24.72	25.00	1.067	-0.02	0.589	0.628
	LTE Band 26_Ant 0A	15M	QPSK	36	20	Back	10mm	26865	831.5	23.83	24.00	1.040	-0.05	0.513	0.533
	LTE Band 5B_Ant 0A	15M	QPSK	1	0	Back	10mm	20525	836.5	24.41	25.00	1.146	-0.02	0.532	0.609
	LTE Band 26_Ant 1	15M	QPSK	1	0	Front	10mm	26865	831.5	24.72	25.00	1.067	-0.04	0.516	0.550
	LTE Band 26_Ant 1	15M	QPSK	36	20	Front	10mm	26865	831.5	23.83	24.00	1.040	0.03	0.441	0.459
	LTE Band 26_Ant 1	15M	QPSK	1	0	Back	10mm	26865	831.5	24.72	25.00	1.067	-0.02	0.499	0.532
	LTE Band 26_Ant 1	15M	QPSK	36	20	Back	10mm	26865	831.5	23.83	24.00	1.040	-0.04	0.415	0.432
	LTE Band 5B_Ant 1	10M	QPSK	1	0	Front	10mm	20525	836.5	24.41	25.00	1.146	0	0.443	0.507



Standalone																
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Headset	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	20.78	22.50	1.486	0.04	0.595	0.884
	LTE Band 30_Ant 0b	10M	QPSK	25	0	Front	10mm		27710	2310	20.81	22.50	1.476	0.07	0.573	0.846
	LTE Band 30_Ant 0b	10M	QPSK	1	0	Back	10mm		27710	2310	20.78	22.50	1.486	0.11	0.854	1.269
	LTE Band 30_Ant 0b	10M	QPSK	25	0	Back	10mm		27710	2310	20.81	22.50	1.476	0.08	0.832	1.228
62	LTE Band 30_Ant 0b	10M	QPSK	50	0	Back	10mm		27710	2310	20.78	22.50	1.486	-0.18	0.887	1.318
	LTE Band 30_Ant 0b	10M	QPSK	50	0	Back	10mm	Headset	27710	2310	20.78	22.50	1.486	-0.15	0.505	0.750
	LTE Band 30_Ant 0c	10M	QPSK	1	0	Front	10mm		27710	2310	24.37	24.80	1.10	-0.07	0.685	0.756
	LTE Band 30_Ant 0c	10M	QPSK	25	0	Front	10mm		27710	2310	23.44	23.80	1.09	-0.02	0.549	0.596
	LTE Band 30_Ant 0c	10M	QPSK	1	0	Back	10mm		27710	2310	24.37	24.80	1.10	0.13	0.841	0.929
	LTE Band 30_Ant 0c	10M	QPSK	25	0	Back	10mm		27710	2310	23.44	23.80	1.09	-0.09	0.688	0.747
	LTE Band 30_Ant 0c	10M	QPSK	50	0	Back	10mm		27710	2310	23.44	23.80	1.09	-0.1	0.685	0.744
	LTE Band 30_Ant 1	10M	QPSK	1	0	Front	10mm		27710	2310	24.37	24.80	1.104	0.11	0.547	0.604
	LTE Band 30_Ant 1	10M	QPSK	1	0	Front	10mm		27710	2310	23.44	23.80	1.086	-0.18	0.441	0.479
	LTE Band 30_Ant 1	10M	QPSK	1	0	Back	10mm		27710	2310	24.37	24.80	1.104	-0.17	0.670	0.740
	LTE Band 30_Ant 1	10M	QPSK	1	0	Back	10mm		27710	2310	23.44	23.80	1.086	-0.02	0.540	0.587
Simultaneous Transmission is active																
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Headset	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	20.78	21.00	1.052	0.04	0.595	0.626
	LTE Band 30_Ant 0b	10M	QPSK	25	0	Front	10mm		27710	2310	20.81	21.00	1.045	0.07	0.573	0.599
	LTE Band 30_Ant 0b	10M	QPSK	1	0	Back	10mm		27710	2310	20.78	21.00	1.052	0.11	0.854	0.898
	LTE Band 30_Ant 0b	10M	QPSK	25	0	Back	10mm		27710	2310	20.81	21.00	1.045	0.08	0.832	0.869
	LTE Band 30_Ant 0b	10M	QPSK	50	0	Back	10mm		27710	2310	20.78	21.00	1.052	-0.18	0.887	0.933
	LTE Band 30_Ant 0c	10M	QPSK	1	0	Front	10mm		27710	2310	24.37	24.80	1.10	-0.07	0.685	0.756
	LTE Band 30_Ant 0c	10M	QPSK	25	0	Front	10mm		27710	2310	23.44	23.80	1.09	-0.02	0.549	0.596
	LTE Band 30_Ant 0c	10M	QPSK	1	0	Back	10mm		27710	2310	24.37	24.80	1.10	0.13	0.841	0.929
	LTE Band 30_Ant 0c	10M	QPSK	25	0	Back	10mm		27710	2310	23.44	23.80	1.09	-0.09	0.688	0.747
	LTE Band 30_Ant 0c	10M	QPSK	50	0	Back	10mm		27710	2310	23.44	23.80	1.09	-0.1	0.685	0.744
	LTE Band 30_Ant 1	10M	QPSK	1	0	Front	10mm		27710	2310	24.37	24.80	1.104	0.11	0.547	0.604
	LTE Band 30_Ant 1	10M	QPSK	1	0	Front	10mm		27710	2310	23.44	23.80	1.086	-0.18	0.441	0.479
	LTE Band 30_Ant 1	10M	QPSK	1	0	Back	10mm		27710	2310	24.37	24.80	1.104	-0.17	0.670	0.740
	LTE Band 30_Ant 1	10M	QPSK	1	0	Back	10mm		27710	2310	23.44	23.80	1.086	-0.02	0.540	0.587



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 66_Ant 0b	20M	QPSK	1	0	Front	10mm	132072	1720	24.61	24.75	1.033	-0.03	0.623	0.643
	LTE Band 66_Ant 0b	20M	QPSK	50	0	Front	10mm	132072	1720	23.72	23.75	1.007	-0.04	0.509	0.513
	LTE Band 66_Ant 0b	20M	QPSK	1	0	Back	10mm	132072	1720	24.61	24.75	1.033	-0.04	0.725	0.749
	LTE Band 66_Ant 0b	20M	QPSK	1	0	Back	10mm	132322	1745	24.60	24.75	1.035	-0.03	0.744	0.770
63	LTE Band 66_Ant 0b	20M	QPSK	1	0	Back	10mm	132572	1770	24.60	24.75	1.035	-0.04	0.750	0.776
	LTE Band 66_Ant 0b	20M	QPSK	50	0	Back	10mm	132072	1720	23.72	23.75	1.007	-0.02	0.601	0.605
	LTE Band 66B_Ant 0b	15M	QPSK	1	0	Back	10mm	132322	1745	24.35	24.75	1.096	0.09	0.695	0.762
	LTE Band 66C_Ant 0b	20M	QPSK	1	0	Back	10mm	132072	1720	24.37	24.75	1.091	0.01	0.682	0.744
	LTE Band 66_Ant 0c	20M	QPSK	1	0	Front	10mm	132072	1720	24.61	24.75	1.033	-0.03	0.296	0.306
	LTE Band 66_Ant 0c	20M	QPSK	50	0	Front	10mm	132072	1720	23.72	23.75	1.007	-0.02	0.245	0.247
	LTE Band 66_Ant 0c	20M	QPSK	1	0	Back	10mm	132072	1720	24.61	24.75	1.033	-0.02	0.318	0.328
	LTE Band 66_Ant 0c	20M	QPSK	1	0	Back	10mm	132322	1745	24.6	24.75	1.035	0	0.545	0.564
	LTE Band 66_Ant 0c	20M	QPSK	1	0	Back	10mm	132572	1770	24.6	24.75	1.035	-0.05	0.525	0.543
	LTE Band 66_Ant 0c	20M	QPSK	50	0	Back	10mm	132072	1720	23.72	23.75	1.007	-0.02	0.263	0.265
	LTE Band 66B_Ant 0c	15M	QPSK	1	0	Back	10mm	132322	1745	24.35	24.75	1.096	0.02	0.495	0.543
	LTE Band 66C_Ant 0c	20M	QPSK	1	0	Back	10mm	132072	1720	24.37	24.75	1.091	0.16	0.484	0.528
	LTE Band 66_Ant 1	20M	QPSK	1	0	Front	10mm	132072	1720	24.61	24.75	1.033	0.17	0.332	0.343
	LTE Band 66_Ant 1	20M	QPSK	50	0	Front	10mm	132072	1720	23.72	23.75	1.007	0.15	0.296	0.298
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	10mm	132072	1720	24.61	24.75	1.033	-0.08	0.346	0.357
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	10mm	132322	1745	24.60	24.75	1.035	-0.14	0.423	0.438
	LTE Band 66_Ant 1	20M	QPSK	1	0	Back	10mm	132572	1770	24.60	24.75	1.035	-0.05	0.590	0.611
	LTE Band 66_Ant 1	20M	QPSK	50	0	Back	10mm	132072	1860	23.72	23.75	1.007	-0.11	0.364	0.367
	LTE Band 66B_Ant 1	15M	QPSK	1	0	Back	10mm	132322	1745	24.35	24.75	1.096	0.02	0.545	0.598
	LTE Band 66C_Ant 1	20M	QPSK	1	0	Back	10mm	132072	1720	24.37	24.75	1.091	0.09	0.531	0.580

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 0A	20M	QPSK	1	0	Front	10mm	133297	680.5	24.78	25.00	1.052	-0.07	0.268	0.282
	LTE Band 71_Ant 0A	20M	QPSK	50	50	Front	10mm	133297	680.5	23.88	24.00	1.028	0	0.255	0.262
64	LTE Band 71_Ant 0A	20M	QPSK	1	0	Back	10mm	133297	680.5	24.78	25.00	1.052	-0.01	0.297	0.312
	LTE Band 71_Ant 0A	20M	QPSK	50	50	Back	10mm	133297	680.5	23.88	24.00	1.028	0.02	0.266	0.273
	LTE Band 71_Ant 1	20M	QPSK	1	0	Front	10mm	133297	680.5	24.78	25.00	1.052	-0.01	0.260	0.274
	LTE Band 71_Ant 1	20M	QPSK	50	0	Front	10mm	133297	680.5	23.88	24.00	1.028	0	0.220	0.226
	LTE Band 71_Ant 1	20M	QPSK	1	0	Back	10mm	133297	680.5	24.78	25.00	1.052	-0.05	0.266	0.280
	LTE Band 71_Ant 1	20M	QPSK	50	0	Back	10mm	133297	680.5	23.88	24.00	1.028	-0.06	0.224	0.230



<TDD LTE SAR>

Standalone																			
Note	Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Headset	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	19.97	21.50	1.422	62.9	1.006	-0.09	0.318	0.455
		LTE Band 41_Ant 0b	20M	QPSK	50	50	Front	10mm		41490	2680	20.06	21.50	1.393	62.9	1.006	0.07	0.322	0.451
		LTE Band 41_Ant 0b	20M	QPSK	1	99	Back	10mm		41490	2680	19.97	21.50	1.422	62.9	1.006	-0.06	0.529	0.757
		LTE Band 41_Ant 0b	20M	QPSK	1	99	Back	10mm		39750	2506	19.96	21.50	1.426	62.9	1.006	-0.03	0.849	1.218
		LTE Band 41_Ant 0b	20M	QPSK	1	99	Back	10mm		40185	2549.5	19.86	21.50	1.459	62.9	1.006	-0.05	0.625	0.917
		LTE Band 41_Ant 0b	20M	QPSK	1	99	Back	10mm		40620	2593	19.87	21.50	1.455	62.9	1.006	-0.08	0.738	1.081
		LTE Band 41_Ant 0b	20M	QPSK	1	99	Back	10mm		41055	2636.5	19.71	21.50	1.510	62.9	1.006	0.11	0.626	0.951
		LTE Band 41_Ant 0b	20M	QPSK	50	50	Back	10mm		41490	2680	20.06	21.50	1.393	62.9	1.006	0.03	0.602	0.844
	65	LTE Band 41_Ant 0b	20M	QPSK	50	50	Back	10mm		39750	2506	20.04	21.50	1.400	62.9	1.006	-0.08	0.893	1.257
		LTE Band 41_Ant 0b	20M	QPSK	50	50	Back	10mm		40185	2549.5	19.97	21.50	1.422	62.9	1.006	0.13	0.643	0.920
		LTE Band 41_Ant 0b	20M	QPSK	50	50	Back	10mm		40620	2593	20.01	21.50	1.409	62.9	1.006	-0.08	0.781	1.107
		LTE Band 41_Ant 0b	20M	QPSK	50	50	Back	10mm		41055	2636.5	19.89	21.50	1.449	62.9	1.006	0.05	0.675	0.984
		LTE Band 41_Ant 0b	20M	QPSK	100	0	Back	10mm		41490	2680	20.05	21.50	1.396	62.9	1.006	-0.17	0.652	0.916
		LTE Band 41_Ant 0b	20M	QPSK	50	50	Back	10mm	Headset	39750	2506	20.04	21.50	1.400	62.9	1.006	-0.13	0.890	1.253
PC2		LTE Band 41_Ant 0b	20M	QPSK	50	50	Back	10mm		39750	2506	22.00	23.50	1.413	42.9	1.009	-0.13	0.881	1.256
		LTE Band 41C_Ant 0b	20M	QPSK	1	0	Back	10mm		40185	2549.5	19.97	21.50	1.422	62.9	1.006	0.12	0.699	1.000
PC2		LTE Band 41C_Ant 0b	20M	QPSK	1	0	Back	10mm		40185	2549.5	21.85	23.50	1.462	42.9	1.009	0.16	0.755	1.114
		LTE Band 41_Ant 0c	20M	QPSK	1	99	Front	10mm		41490	2680	24.37	24.80	1.10	62.9	1.006	0.04	0.377	0.419
		LTE Band 41_Ant 0c	20M	QPSK	50	50	Front	10mm		41490	2680	23.48	23.80	1.08	62.9	1.006	0.02	0.308	0.334
		LTE Band 41_Ant 0c	20M	QPSK	1	99	Back	10mm		41490	2680	24.37	24.80	1.10	62.9	1.006	0.03	0.417	0.463
		LTE Band 41_Ant 0c	20M	QPSK	1	99	Back	10mm		39750	2506	24.10	24.80	1.17	62.9	1.006	-0.04	0.348	0.411
		LTE Band 41_Ant 0c	20M	QPSK	1	99	Back	10mm		40185	2549.5	24.12	24.80	1.17	62.9	1.006	0.02	0.397	0.467
		LTE Band 41_Ant 0c	20M	QPSK	1	99	Back	10mm		40620	2593	24.26	24.80	1.13	62.9	1.006	0.03	0.423	0.482
		LTE Band 41_Ant 0c	20M	QPSK	1	99	Back	10mm		41055	2636.5	24.13	24.80	1.17	62.9	1.006	0.06	0.406	0.477
		LTE Band 41_Ant 0c	20M	QPSK	50	50	Back	10mm		41490	2680	23.48	23.80	1.08	62.9	1.006	-0.07	0.346	0.375
PC2		LTE Band 41_Ant 0c	20M	QPSK	1	99	Back	10mm		41490	2680	24.37	24.80	1.10	42.9	1.009	0	0.453	0.505
		LTE Band 41C_Ant 0c	20M	QPSK	1	0	Back	10mm		40185	2549.5	24.58	24.80	1.052	62.9	1.006	0.1	0.369	0.391
PC2		LTE Band 41C_Ant 0c	20M	QPSK	1	0	Back	10mm		40185	2549.5	26.49	26.80	1.074	42.9	1.009	0.09	0.423	0.458
		LTE Band 41_Ant 1	20M	QPSK	1	99	Front	10mm		41490	2680	24.37	24.80	1.104	62.9	1.006	0.03	0.211	0.234
		LTE Band 41_Ant 1	20M	QPSK	50	50	Front	10mm		41490	2680	23.48	23.80	1.076	62.9	1.006	-0.01	0.172	0.186
		LTE Band 41_Ant 1	20M	QPSK	1	99	Back	10mm		41490	2680	24.37	24.80	1.104	62.9	1.006	-0.1	0.215	0.239
		LTE Band 41_Ant 1	20M	QPSK	1	99	Back	10mm		39750	2506	24.10	24.80	1.175	62.9	1.006	0.13	0.299	0.353
		LTE Band 41_Ant 1	20M	QPSK	1	99	Back	10mm		40185	2549.5	24.12	24.80	1.169	62.9	1.006	0.06	0.286	0.336
		LTE Band 41_Ant 1	20M	QPSK	1	99	Back	10mm		40620	2593	24.26	24.80	1.132	62.9	1.006	0.03	0.227	0.259
		LTE Band 41_Ant 1	20M	QPSK	1	99	Back	10mm		41055	2636.5	24.13	24.80	1.167	62.9	1.006	-0.06	0.214	0.251
		LTE Band 41_Ant 1	20M	QPSK	50	50	Back	10mm		41490	2680	23.48	23.80	1.076	62.9	1.006	-0.02	0.169	0.183
PC2		LTE Band 41_Ant 1	20M	QPSK	1	99	Back	10mm		41490	2680	26.39	26.80	1.099	42.9	1.009	-0.08	0.210	0.233
		LTE Band 41C_Ant 1	20M	QPSK	1	0	Back	10mm		40185	2549.5	24.58	24.80	1.052	62.9	1.006	0.06	0.270	0.286
PC2		LTE Band 41C_Ant 1	20M	QPSK	1	0	Back	10mm		40185	2549.5	26.49	26.80	1.074	42.9	1.009	0.01	0.201	0.218
Simultaneous Transmission is active																			
Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Test Position	Gap (mm)	Headset	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	19.97	20.50	1.130	62.9	1.006	-0.09	0.318	0.361
		LTE Band 41_Ant 0b	20M	QPSK	50	50	Front	10mm		41490	2680	20.06	20.50	1.107	62.9	1.006	0.07	0.322	0.358
		LTE Band 41_Ant 0b	20M	QPSK	1	99	Back	10mm		41490	2680	19.97	20.50	1.130	62.9	1.006	-0.06	0.529	0.601
		LTE Band 41_Ant 0b	20M	QPSK	1	99	Back	10mm		39750	2506	19.96	20.50	1.132	62.9	1.006	-0.03	0.849	0.967
		LTE Band 41_Ant 0b	20M	QPSK	1	99	Back	10mm		40185	2549.5	19.86	20.50	1.159	62.9	1.006	-0.05	0.625	0.729
		LTE Band 41_Ant 0b	20M	QPSK	1	99	Back	10mm		40620	2593	19.87	20.50	1.156	62.9	1.006	-0.08	0.738	0.858
		LTE Band 41_Ant 0b	20M	QPSK	1	99	Back	10mm		41055	2636.5	19.71	20.50	1.199	62.9	1.006	0.11	0.626	0.755
		LTE Band 41_Ant 0b	20M	QPSK	50	50	Back	10mm		41490	2680	20.06	20.50	1.107	62.9	1.006	0.03	0.602	0.670
		LTE Band 41_Ant 0b	20M	QPSK	50	50	Back	10mm		39750	2506	20.04	20.50	1.112	62.9	1.006	-0.08	0.893	0.999
		LTE Band 41_Ant 0b	20M	QPSK	50	50	Back	10mm		40185	2549.5	19.97	20.50	1.130	62.9	1.006	0.13	0.643	0.731
		LTE Band 41_Ant 0b	20M	QPSK	50	50	Back	10mm		40620	2593	20.01	20.50	1.119	62.9	1.006	-0.08	0.781	0.880
		LTE Band 41_Ant 0b	20M	QPSK	50	50	Back	10mm		41055	2636.5	19.89	20.50	1.151	62.9	1.006	0.05	0.675	0.781
		LTE Band 41_Ant 0b	20M	QPSK	100	0	Back	10mm		41490	2680	20.05	20.50	1.109	62.9	1.006	-0.17	0.652	0.728
		LTE Band 41_Ant 0b	20M	QPSK	50	50	Back	10mm	Headset	39750	2506	20.04	20.50	1.112	62.9	1.006	-0.13	0.890	0.995
PC2		LTE Band 41_Ant 0b	20M	QPSK	50	50	Back	10mm		39750	2506	22.00	22.50	1.122	42.9	1.009	-0.13	0.881	0.997



**FCC SAR TEST REPORT**

**Report No. : FA8N0616-05A**

	LTE Band 41C_Ant 0b	20M	QPSK	1	0	Back	10mm		40185	2549.5	19.97	20.50	1.130	62.9	1.006	0.12	0.699	0.794
PC2	LTE Band 41C_Ant 0b	20M	QPSK	1	0	Back	10mm		40185	2549.5	21.85	22.50	1.161	42.9	1.009	0.16	0.755	0.885
	LTE Band 41_Ant 0c	20M	QPSK	1	99	Front	10mm		41490	2680	24.37	24.80	1.10	62.9	1.006	0.04	0.377	0.419
	LTE Band 41_Ant 0c	20M	QPSK	50	50	Front	10mm		41490	2680	23.48	23.80	1.08	62.9	1.006	0.02	0.308	0.334
	LTE Band 41_Ant 0c	20M	QPSK	1	99	Back	10mm		41490	2680	24.37	24.80	1.10	62.9	1.006	0.03	0.417	0.463
	LTE Band 41_Ant 0c	20M	QPSK	1	99	Back	10mm		39750	2506	24.10	24.80	1.17	62.9	1.006	-0.04	0.348	0.411
	LTE Band 41_Ant 0c	20M	QPSK	1	99	Back	10mm		40185	2549.5	24.12	24.80	1.17	62.9	1.006	0.02	0.397	0.467
	LTE Band 41_Ant 0c	20M	QPSK	1	99	Back	10mm		40620	2593	24.26	24.80	1.13	62.9	1.006	0.03	0.423	0.482
	LTE Band 41_Ant 0c	20M	QPSK	1	99	Back	10mm		41055	2636.5	24.13	24.80	1.17	62.9	1.006	0.06	0.406	0.477
	LTE Band 41_Ant 0c	20M	QPSK	50	50	Back	10mm		41490	2680	23.48	23.80	1.08	62.9	1.006	-0.07	0.346	0.375
PC2	LTE Band 41_Ant 0c	20M	QPSK	1	99	Back	10mm		41490	2680	24.37	24.80	1.10	42.9	1.009	0	0.453	0.505
	LTE Band 41C_Ant 0c	20M	QPSK	1	0	Back	10mm		40185	2549.5	24.58	24.80	1.052	62.9	1.006	0.1	0.369	0.391
PC2	LTE Band 41C_Ant 0c	20M	QPSK	1	0	Back	10mm		40185	2549.5	26.49	26.80	1.074	42.9	1.009	0.09	0.423	0.458
	LTE Band 41_Ant 1	20M	QPSK	1	99	Front	10mm		41490	2680	24.37	24.80	1.104	62.9	1.006	0.03	0.211	0.234
	LTE Band 41_Ant 1	20M	QPSK	50	50	Front	10mm		41490	2680	23.48	23.80	1.076	62.9	1.006	-0.01	0.172	0.186
	LTE Band 41_Ant 1	20M	QPSK	1	99	Back	10mm		41490	2680	24.37	24.80	1.104	62.9	1.006	-0.1	0.215	0.239
	LTE Band 41_Ant 1	20M	QPSK	1	99	Back	10mm		39750	2506	24.10	24.80	1.175	62.9	1.006	0.13	0.299	0.353
	LTE Band 41_Ant 1	20M	QPSK	1	99	Back	10mm		40185	2549.5	24.12	24.80	1.169	62.9	1.006	0.06	0.286	0.336
	LTE Band 41_Ant 1	20M	QPSK	1	99	Back	10mm		40620	2593	24.26	24.80	1.132	62.9	1.006	0.03	0.227	0.259
	LTE Band 41_Ant 1	20M	QPSK	1	99	Back	10mm		41055	2636.5	24.13	24.80	1.167	62.9	1.006	-0.06	0.214	0.251
	LTE Band 41_Ant 1	20M	QPSK	50	50	Back	10mm		41490	2680	23.48	23.80	1.076	62.9	1.006	-0.02	0.169	0.183
PC2	LTE Band 41_Ant 1	20M	QPSK	1	99	Back	10mm		41490	2680	26.39	26.80	1.099	42.9	1.009	-0.08	0.210	0.233
	LTE Band 41C_Ant 1	20M	QPSK	1	0	Back	10mm		40185	2549.5	24.58	24.80	1.052	62.9	1.006	0.06	0.270	0.286
PC2	LTE Band 41C_Ant 1	20M	QPSK	1	0	Back	10mm		40185	2549.5	26.49	26.80	1.074	42.9	1.009	0.01	0.201	0.218

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 0b	20M	QPSK	1	49	Front	10mm	56640	3690	22.52	23.00	1.117	62.9	1.006	0.02	0.167	0.188
	LTE Band 48_Ant 0b	20M	QPSK	50	24	Front	10mm	56640	3690	21.64	22.00	1.086	62.9	1.006	-0.05	0.141	0.154
	LTE Band 48_Ant 0b	20M	QPSK	1	49	Back	10mm	56640	3690	22.52	23.00	1.117	62.9	1.006	-0.07	0.223	0.251
	LTE Band 48_Ant 0b	20M	QPSK	1	49	Back	10mm	55340	3560	22.51	23.00	1.119	62.9	1.006	-0.08	0.230	0.259
	LTE Band 48_Ant 0b	20M	QPSK	1	49	Back	10mm	55830	3609	22.36	23.00	1.159	62.9	1.006	-0.03	0.232	0.270
	LTE Band 48_Ant 0b	20M	QPSK	1	49	Back	10mm	56150	3641	22.14	23.00	1.219	62.9	1.006	-0.04	0.229	0.281
	LTE Band 48_Ant 0b	20M	QPSK	50	24	Back	10mm	56640	3690	21.64	22.00	1.086	62.9	1.006	-0.09	0.165	0.180
	LTE Band 48C_Ant 0b	20M	QPSK	1	0	Back	10mm	55830	3609	22.00	23.00	1.259	62.9	1.006	0.12	0.189	0.239
	LTE Band 48_Ant 0c	20M	QPSK	1	49	Front	10mm	56640	3690	22.52	23.00	1.117	62.9	1.006	0.03	0.169	0.190
	LTE Band 48_Ant 0c	20M	QPSK	50	24	Front	10mm	56640	3690	21.64	22.00	1.086	62.9	1.006	0.13	0.128	0.140
	LTE Band 48_Ant 0c	20M	QPSK	1	49	Back	10mm	56640	3690	22.52	23.00	1.117	62.9	1.006	-0.09	0.223	0.251
66	LTE Band 48_Ant 0c	20M	QPSK	1	49	Back	10mm	55340	3560	22.51	23.00	1.119	62.9	1.006	-0.02	0.412	0.464
	LTE Band 48_Ant 0c	20M	QPSK	1	49	Back	10mm	55830	3609	22.36	23.00	1.159	62.9	1.006	-0.11	0.325	0.379
	LTE Band 48_Ant 0c	20M	QPSK	1	49	Back	10mm	56150	3641	22.14	23.00	1.219	62.9	1.006	-0.14	0.286	0.351
	LTE Band 48_Ant 0c	20M	QPSK	50	24	Back	10mm	56640	3690	21.64	22.00	1.086	62.9	1.006	-0.05	0.179	0.196
	LTE Band 48C_Ant 0c	20M	QPSK	1	0	Back	10mm	55830	3609	22.00	23.00	1.259	62.9	1.006	0.02	0.351	0.445



<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	Front	10mm	Ant 2	6	2437	22.9	23	1.023	99.52	1.005	-0.1	0.509	0.523
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 2	6	2437	22.9	23	1.023	99.52	1.005	0.17	0.557	0.573
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 2	1	2412	22.8	23	1.047	99.52	1.005	-0.17	0.481	0.506
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 2	11	2462	22.4	22.5	1.023	99.52	1.005	-0.09	0.422	0.434
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 3	6	2437	22.9	23	1.023	99.28	1.007	0.07	0.781	0.805
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 3	1	2412	22.7	23	1.072	99.28	1.007	0.01	0.721	0.778
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 3	11	2462	22.2	23	1.202	99.28	1.007	0.14	0.642	0.777
67	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	6	2437	22.9	23	1.023	99.28	1.007	-0.17	0.865	0.891
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	1	2412	22.7	23	1.072	99.28	1.007	0.19	0.772	0.833
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	11	2462	22.2	23	1.202	99.28	1.007	-0.02	0.669	0.810
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	11	2462	16.9	17	1.023	99.52	1.005	0.04	0.109	0.112
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 2	11	2462	16.9	17	1.023	99.52	1.005	0.06	0.109	0.112
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 3	11	2462	18.4	18.5	1.023	99.28	1.007	0.04	0.230	0.237
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	11	2462	18.4	18.5	1.023	99.28	1.007	-0.13	0.286	0.295
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	1	2412	18.3	18.5	1.047	99.28	1.007	0.04	0.307	0.324
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 3	6	2437	18.2	18.5	1.072	99.28	1.007	-0.16	0.388	0.419
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 2+3(2)	11	2462	20.4	20.5	1.023	99.2	1.008	0.04	0.514	0.530
	WLAN2.4GHz	802.11b 1Mbps	Front	10mm	Ant 2+3(3)	11	2462	19.4	19.5	1.023	99.2	1.008	0.04	0.312	0.322
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 2+3(2)	11	2462	20.4	20.5	1.023	99.2	1.008	0.11	0.561	0.579
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 2+3(3)	11	2462	19.4	19.5	1.023	99.2	1.008	0.11	0.482	0.497
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 2+3(2)	1	2412	20.38	20.5	1.028	99.2	1.008	-0.09	0.402	0.417
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 2+3(3)	1	2412	19.4	19.5	1.023	99.2	1.008	-0.09	0.307	0.317
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 2+3(2)	6	2437	20.29	20.5	1.050	99.2	1.008	-0.07	0.458	0.485
	WLAN2.4GHz	802.11b 1Mbps	Back	10mm	Ant 2+3(3)	6	2437	19.39	19.5	1.026	99.2	1.008	-0.07	0.340	0.352





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)
68	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 2	54	5270	20.60	21.00	1.096	95.45	1.048	-0.12	0.408	0.469
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 2	54	5270	20.60	21.00	1.096	95.45	1.048	0.14	0.510	0.586
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 2	62	5310	17.40	18.00	1.148	95.45	1.048	-0.08	0.280	0.337
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 5	54	5270	20.60	21.00	1.096	95.45	1.048	-0.18	0.094	0.108
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 5	54	5270	20.60	21.00	1.096	95.45	1.048	-0.07	0.338	0.388
	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 2	62	5310	17.40	17.50	1.023	95.45	1.048	0.13	0.161	0.173
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 2	62	5310	17.40	17.50	1.023	95.45	1.048	0.13	0.215	0.231
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 2	54	5270	17.30	17.50	1.047	95.45	1.048	0.17	0.283	0.311
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 5	62	5310	17.60	18.00	1.096	95.45	1.048	-0.16	0.045	0.052
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 5	62	5310	17.60	18.00	1.096	95.45	1.048	-0.14	0.180	0.207
	WLAN5GHz	802.11n-HT40 MCS0	Front	10mm	Ant 2+5	54	5270	17.98	18	1.005	95.45	1.048	0.16	0.171	0.180
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 2+5	54	5270	17.98	18	1.005	95.45	1.048	0.02	0.379	0.399
	WLAN5GHz	802.11n-HT40 MCS0	Back	10mm	Ant 2+5	62	5310	16.87	17	1.030	95.45	1.048	0.13	0.351	0.379

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 2	138	5690	20.70	21.00	1.072	91.67	1.091	0.01	0.296	0.346
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 2	138	5690	20.70	21.00	1.072	91.67	1.091	-0.11	0.461	0.539
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 5	122	5610	20.60	21.00	1.096	90.87	1.100	0.11	0.145	0.175
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 5	122	5610	20.60	21.00	1.096	90.87	1.100	-0.12	0.498	0.601
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 5	106	5530	15.60	16.00	1.096	90.87	1.100	-0.18	0.132	0.159
69	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 5	138	5690	20.60	21.00	1.096	90.87	1.100	-0.16	0.506	0.610
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 2	138	5690	19.40	19.50	1.023	91.67	1.091	0.14	0.152	0.170
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 2	138	5690	19.40	19.50	1.023	91.67	1.091	0.05	0.263	0.294
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 2	106	5530	15.30	16.00	1.175	91.67	1.091	0.11	0.096	0.123
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 2	122	5610	19.10	19.50	1.096	91.67	1.091	-0.11	0.293	0.351
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 5	138	5690	17.30	17.50	1.047	90.87	1.100	-0.03	0.061	0.070
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 5	138	5690	17.30	17.50	1.047	90.87	1.100	-0.15	0.180	0.207
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 2+5	122	5610	15.91	16	1.021	92.15	1.085	0.15	0.169	0.187
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 2+5	122	5610	15.91	16	1.021	92.15	1.085	0.07	0.359	0.398
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 2+5	106	5530	15.81	16	1.045	92.15	1.085	0.13	0.333	0.377
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 2+5	138	5690	15.8	16	1.047	92.15	1.085	0.09	0.342	0.389



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 2	155	5775	19.50	20.00	1.122	91.67	1.091	-0.18	0.283	0.346
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 2	155	5775	19.50	20.00	1.122	91.67	1.091	0.05	0.381	0.466
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 5	155	5775	19.30	20.00	1.175	90.87	1.100	0.13	0.114	0.147
70	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 5	155	5775	19.30	20.00	1.175	90.87	1.100	-0.15	0.421	0.544
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 2	155	5775	15.70	16.00	1.072	91.67	1.091	0.06	0.082	0.096
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 2	155	5775	15.70	16.00	1.072	91.67	1.091	0.17	0.109	0.127
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 5	155	5775	17.70	18.00	1.072	90.87	1.100	0.17	0.070	0.083
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 5	155	5775	17.70	18.00	1.072	90.87	1.100	-0.11	0.245	0.289
	WLAN5GHz	802.11ac-VHT80 MCS0	Front	10mm	Ant 2+5	155	5775	14.33	14.5	1.040	92.15	1.085	0.01	0.161	0.182
	WLAN5GHz	802.11ac-VHT80 MCS0	Back	10mm	Ant 2+5	155	5775	14.33	14.5	1.040	92.15	1.085	-0.1	0.336	0.379

<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	00	2402	18.67	19.5	1.211	76.84	1.301	-0.05	0.073	0.115
71	Bluetooth	1Mbps	Back	10mm	Ant 2	00	2402	18.67	19.5	1.211	76.84	1.301	0.06	0.103	0.162
	Bluetooth	1Mbps	Back	10mm	Ant 2	39	2441	18.6	19.5	1.230	76.84	1.301	-0.08	0.093	0.149
	Bluetooth	1Mbps	Back	10mm	Ant 2	78	2480	18.16	19.5	1.361	76.84	1.301	-0.18	0.088	0.156
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	00	2402	18.67	19.0	1.079	76.84	1.301	0.14	0.073	0.102
	Bluetooth	1Mbps	Back	10mm	Ant 2	00	2402	18.67	19.0	1.079	76.84	1.301	0.06	0.103	0.145
	Bluetooth	1Mbps	Back	10mm	Ant 2	39	2441	18.6	19.0	1.096	76.84	1.301	0.13	0.093	0.133
	Bluetooth	1Mbps	Back	10mm	Ant 2	78	2480	18.16	19.0	1.213	76.84	1.301	0.15	0.088	0.139

**15.4 Repeated SAR Measurement**

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	WCDMA II_Ant 0b	RMC 12.2Kbps	Bottom Side	10mm	9538	1907.6	24.74	24.75	1.002	0.02	1.000	-	1.002
2nd	WCDMA II_Ant 0b	RMC 12.2Kbps	Bottom Side	10mm	9538	1907.6	24.74	24.75	1.002	-0.06	0.967	1.03	0.969
1st	WCDMA IV_Ant 0c	RMC 12.2Kbps	Back	10mm	1513	1752.6	24.70	24.75	1.012	0.12	0.989	-	1.000
2nd	WCDMA IV_Ant 0c	RMC 12.2Kbps	Back	10mm	1513	1752.6	24.70	24.75	1.012	0.12	0.979	1.01	0.990
1st	WCDMA V_Ant 1	RMC 12.2Kbps	Right Cheek	0mm	4233	846.6	21.98	23.00	1.265	0.04	0.891	-	1.127
2nd	WCDMA V_Ant 1	RMC 12.2Kbps	Right Cheek	0mm	4233	846.6	21.98	23.00	1.265	0.09	0.823	1.08	1.041
1st	LTE Band 7_Ant 1	20M_QPSK_50_50	Right Cheek	0mm	21100	2535	18.38	19.50	1.294	-0.16	0.834	-	1.079
2nd	LTE Band 7_Ant 1	20M_QPSK_50_50	Right Cheek	0mm	21100	2535	18.38	19.50	1.294	-0.15	0.825	1.01	1.068
1st	LTE Band 14_Ant 1	10M_QPSK_25_12	Right Cheek	0mm	23330	793	22.36	23.50	1.300	-0.03	0.895	-	1.164
2nd	LTE Band 14_Ant 1	10M_QPSK_25_12	Right Cheek	0mm	23330	793	22.36	23.50	1.300	-0.08	0.878	1.02	1.142
1st	LTE Band 7_Ant 0b	20M_QPSK_50_50	Back	10mm	20850	2510	18.43	18.50	1.016	-0.16	0.932	-	0.947
2nd	LTE Band 7_Ant 0b	20M_QPSK_50_50	Back	10mm	20850	2510	18.43	18.50	1.016	-0.09	0.907	1.03	0.922
1st	LTE Band 30_Ant 0c	10M_QPSK_1_0	Left Side	10mm	27710	2310	23.46	23.50	1.009	0.19	0.948	-	0.957
2nd	LTE Band 30_Ant 0c	10M_QPSK_1_0	Left Side	10mm	27710	2310	23.46	23.50	1.009	0.12	0.932	1.02	0.941

**General Note:**

1. Per KDB 865664 D01v01r04, for each frequency band, repeated SAR measurement is required only when the measured SAR is  $\geq 0.8$ W/kg.
2. Per KDB 865664 D01v01r04, if the ratio among the repeated measurement is  $\leq 1.2$  and the measured SAR  $< 1.45$ W/kg, only one repeated measurement is required.
3. The ratio is the difference in percentage between original and repeated *measured* SAR.
4. All measurement SAR result is scaled-up to account for tune-up tolerance and is compliant.



**15.5 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 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	21.5	23.5
Reported 1g SAR (W/kg)	1.119	1.117
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	89.41	96.94
Linearity SAR(W/kg)	1.21	
% deviation from expected linearity		-7.93%

UL CA active	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	21.5	23.5
Reported 1g SAR (W/kg)	1.033	1.106
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	89.41	96.94
Linearity SAR(W/kg)	1.12	
% deviation from expected linearity		-1.24%

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

Standalone	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	21.5	23.5
Reported 1g SAR (W/kg)	1.257	1.256
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	89.41	96.94
Linearity SAR(W/kg)	1.36	
% deviation from expected linearity		-7.83%

UL CA active	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	21.5	23.5
Reported 1g SAR (W/kg)	1.000	1.114
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	89.41	96.94
Linearity SAR(W/kg)	1.08	
% deviation from expected linearity		2.75%



16. Simultaneous Transmission Analysis

RF Exposure conditions	Item	Capable Transmit Configuration	
			SAR
Head <sup>(1)</sup>	1	WWAN off (Cellular off)	WiFi 5G SISO (Ant5) + Bluetooth (Ant2)
	2		WiFi 5G SISO (Ant2) + Bluetooth (Ant2)
	3		WiFi 5G MIMO (Ant5+Ant2) + 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 (Ant2) + Bluetooth (Ant2)
	7		WiFi 5G MIMO (Ant5+2) + Bluetooth (Ant2)
	8		WiFi 5G SISO (Ant5)
	9		WiFi 5G SISO (Ant2)
	10		WiFi 5G MIMO (Ant5+2)
	11		WiFi 2.4G SISO (Ant2)
	12		WiFi 2.4G SISO (Ant3)
	13		WiFi 2.4G MIMO/CDD (Ant2+3)
	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/ Mobile Conditions <sup>(1)</sup>	16	WWAN OFF (Cellular off)	WiFi 5G SISO (Ant5) + Bluetooth (Ant2)	60 GHz Transmitter
	17		WiFi 5G SISO (Ant2) + Bluetooth (Ant2)	
	18		WiFi 5G MIMO (Ant5+2) + Bluetooth (Ant2)	
	19		WiFi 5G SISO (Ant5)	
	20		WiFi 5G SISO (Ant2)	
	21		WiFi 5G MIMO (Ant5+2)	
	22		WiFi 2.4G SISO (Ant2)	
	23		WiFi 2.4G SISO (Ant3)	
	24		WiFi 2.4G MIMO/CDD (Ant2+3)	
	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 (Ant2) + Bluetooth (Ant2)	
	29		WiFi 5G MIMO (Ant5+2) + Bluetooth (Ant2)	
	30		WiFi 5G SISO (Ant5)	
	31		WiFi 5G SISO (Ant2)	
	32		WiFi 5G MIMO (Ant5+2)	
	33		WiFi 2.4G SISO (Ant2)	
	34		WiFi 2.4G SISO (Ant3)	
	35		WiFi 2.4G MIMO/CDD (Ant2+3)	
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.: FA8N0616-05B..
- 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+3 Summed 1g SAR (W/kg)	2+5 Summed 1g SAR (W/kg)	4+5+6 Summed 1g SAR (W/kg)
	2.4GHz WLAN Ant 2	2.4GHz WLAN Ant 3	5GHz WLAN Ant 2	5GHz WLAN Ant 5	Bluetooth Ant 2			
	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)			
Right Cheek	0.283	0.147	0.499	0.297	0.124	<b>0.430</b>	<b>0.580</b>	<b>0.920</b>
Right Tilted	0.089	0.122	0.168	0.257	0.035	<b>0.211</b>	<b>0.346</b>	<b>0.460</b>
Left Cheek	0.138	0.598	0.091	0.223	0.055	<b>0.736</b>	<b>0.361</b>	<b>0.369</b>
Left Tilted	0.048	0.391	0.079	0.181	0.009	<b>0.439</b>	<b>0.229</b>	<b>0.269</b>

**<Simultaneous Transmission is active>**

**<WWAN 0a/0b antennas>**

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	1+2 Summed 1g SAR (W/kg)	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 3	5GHz WLAN Ant 2	5GHz WLAN Ant 5	Bluetooth Ant 2	2.4GHz WLAN Ant 2+3	5GHz WLAN Ant 2+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 0A	Right Cheek	0.259	0.283	0.147	0.499	0.297	0.124	0.553	0.465	<b>0.542</b>	<b>0.406</b>	<b>0.812</b>	<b>0.882</b>	<b>0.680</b>	<b>0.848</b>	<b>0.839</b>
	Right Tilted	0.201	0.089	0.122	0.168	0.257	0.035	0.469	0.363	<b>0.290</b>	<b>0.323</b>	<b>0.670</b>	<b>0.404</b>	<b>0.493</b>	<b>0.599</b>	<b>0.547</b>
	Left Cheek	0.601	0.138	0.598	0.091	0.223	0.055	0.548	0.328	<b>0.739</b>	<b>1.199</b>	<b>1.149</b>	<b>0.747</b>	<b>0.879</b>	<b>0.984</b>	<b>0.962</b>
	Left Tilted	0.212	0.048	0.391	0.079	0.181	0.009	0.419	0.313	<b>0.260</b>	<b>0.603</b>	<b>0.631</b>	<b>0.300</b>	<b>0.402</b>	<b>0.534</b>	<b>0.441</b>
GSM1900_Ant 0b	Right Cheek	0.450	0.283	0.147	0.499	0.297	0.124	0.553	0.465	<b>0.733</b>	<b>0.597</b>	<b>1.003</b>	<b>1.073</b>	<b>0.871</b>	<b>1.039</b>	<b>1.030</b>
	Right Tilted	0.157	0.089	0.122	0.168	0.257	0.035	0.469	0.363	<b>0.246</b>	<b>0.279</b>	<b>0.626</b>	<b>0.360</b>	<b>0.449</b>	<b>0.555</b>	<b>0.503</b>
	Left Cheek	0.292	0.138	0.598	0.091	0.223	0.055	0.548	0.328	<b>0.430</b>	<b>0.890</b>	<b>0.840</b>	<b>0.438</b>	<b>0.570</b>	<b>0.675</b>	<b>0.653</b>
	Left Tilted	0.201	0.048	0.391	0.079	0.181	0.009	0.419	0.313	<b>0.249</b>	<b>0.592</b>	<b>0.620</b>	<b>0.289</b>	<b>0.391</b>	<b>0.523</b>	<b>0.430</b>
WCDMA II_Ant 0b	Right Cheek	0.488	0.283	0.147	0.499	0.297	0.124	0.553	0.465	<b>0.771</b>	<b>0.635</b>	<b>1.041</b>	<b>1.111</b>	<b>0.909</b>	<b>1.077</b>	<b>1.068</b>
	Right Tilted	0.177	0.089	0.122	0.168	0.257	0.035	0.469	0.363	<b>0.266</b>	<b>0.299</b>	<b>0.646</b>	<b>0.380</b>	<b>0.469</b>	<b>0.575</b>	<b>0.523</b>
	Left Cheek	0.312	0.138	0.598	0.091	0.223	0.055	0.548	0.328	<b>0.450</b>	<b>0.910</b>	<b>0.860</b>	<b>0.458</b>	<b>0.590</b>	<b>0.695</b>	<b>0.673</b>
	Left Tilted	0.189	0.048	0.391	0.079	0.181	0.009	0.419	0.313	<b>0.237</b>	<b>0.580</b>	<b>0.608</b>	<b>0.277</b>	<b>0.379</b>	<b>0.511</b>	<b>0.418</b>
WCDMA IV_Ant 0b	Right Cheek	0.263	0.283	0.147	0.499	0.297	0.124	0.553	0.465	<b>0.546</b>	<b>0.410</b>	<b>0.816</b>	<b>0.886</b>	<b>0.684</b>	<b>0.852</b>	<b>0.843</b>
	Right Tilted	0.148	0.089	0.122	0.168	0.257	0.035	0.469	0.363	<b>0.237</b>	<b>0.270</b>	<b>0.617</b>	<b>0.351</b>	<b>0.440</b>	<b>0.546</b>	<b>0.494</b>
	Left Cheek	0.363	0.138	0.598	0.091	0.223	0.055	0.548	0.328	<b>0.501</b>	<b>0.961</b>	<b>0.911</b>	<b>0.509</b>	<b>0.641</b>	<b>0.746</b>	<b>0.724</b>
	Left Tilted	0.159	0.048	0.391	0.079	0.181	0.009	0.419	0.313	<b>0.207</b>	<b>0.550</b>	<b>0.578</b>	<b>0.247</b>	<b>0.349</b>	<b>0.481</b>	<b>0.388</b>
WCDMA V_Ant 0A	Right Cheek	0.335	0.283	0.147	0.499	0.297	0.124	0.553	0.465	<b>0.618</b>	<b>0.482</b>	<b>0.888</b>	<b>0.958</b>	<b>0.756</b>	<b>0.924</b>	<b>0.915</b>
	Right Tilted	0.216	0.089	0.122	0.168	0.257	0.035	0.469	0.363	<b>0.305</b>	<b>0.338</b>	<b>0.685</b>	<b>0.419</b>	<b>0.508</b>	<b>0.614</b>	<b>0.562</b>
	Left Cheek	0.425	0.138	0.598	0.091	0.223	0.055	0.548	0.328	<b>0.563</b>	<b>1.023</b>	<b>0.973</b>	<b>0.571</b>	<b>0.703</b>	<b>0.808</b>	<b>0.786</b>
	Left Tilted	0.219	0.048	0.391	0.079	0.181	0.009	0.419	0.313	<b>0.267</b>	<b>0.610</b>	<b>0.638</b>	<b>0.307</b>	<b>0.409</b>	<b>0.541</b>	<b>0.448</b>
CDMA BC0_Ant 0A	Right Cheek	0.299	0.283	0.147	0.499	0.297	0.124	0.553	0.465	<b>0.582</b>	<b>0.446</b>	<b>0.852</b>	<b>0.922</b>	<b>0.720</b>	<b>0.888</b>	<b>0.879</b>
	Right Tilted	0.192	0.089	0.122	0.168	0.257	0.035	0.469	0.363	<b>0.281</b>	<b>0.314</b>	<b>0.661</b>	<b>0.395</b>	<b>0.484</b>	<b>0.590</b>	<b>0.538</b>
	Left Cheek	0.424	0.138	0.598	0.091	0.223	0.055	0.548	0.328	<b>0.562</b>	<b>1.022</b>	<b>0.972</b>	<b>0.570</b>	<b>0.702</b>	<b>0.807</b>	<b>0.785</b>
	Left Tilted	0.188	0.048	0.391	0.079	0.181	0.009	0.419	0.313	<b>0.236</b>	<b>0.579</b>	<b>0.607</b>	<b>0.276</b>	<b>0.378</b>	<b>0.510</b>	<b>0.417</b>
CDMA BC1_Ant 0b	Right Cheek	0.381	0.283	0.147	0.499	0.297	0.124	0.553	0.465	<b>0.664</b>	<b>0.528</b>	<b>0.934</b>	<b>1.004</b>	<b>0.802</b>	<b>0.970</b>	<b>0.961</b>
	Right Tilted	0.160	0.089	0.122	0.168	0.257	0.035	0.469	0.363	<b>0.249</b>	<b>0.282</b>	<b>0.629</b>	<b>0.363</b>	<b>0.452</b>	<b>0.558</b>	<b>0.506</b>
	Left Cheek	0.298	0.138	0.598	0.091	0.223	0.055	0.548	0.328	<b>0.436</b>	<b>0.896</b>	<b>0.846</b>	<b>0.444</b>	<b>0.576</b>	<b>0.681</b>	<b>0.659</b>
	Left Tilted	0.181	0.048	0.391	0.079	0.181	0.009	0.419	0.313	<b>0.229</b>	<b>0.572</b>	<b>0.600</b>	<b>0.269</b>	<b>0.371</b>	<b>0.503</b>	<b>0.410</b>
CDMA BC10_Ant 0A	Right Cheek	0.282	0.283	0.147	0.499	0.297	0.124	0.553	0.465	<b>0.565</b>	<b>0.429</b>	<b>0.835</b>	<b>0.905</b>	<b>0.703</b>	<b>0.871</b>	<b>0.862</b>
	Right Tilted	0.185	0.089	0.122	0.168	0.257	0.035	0.469	0.363	<b>0.274</b>	<b>0.307</b>	<b>0.654</b>	<b>0.388</b>	<b>0.477</b>	<b>0.583</b>	<b>0.531</b>
	Left Cheek	0.358	0.138	0.598	0.091	0.223	0.055	0.548	0.328	<b>0.496</b>	<b>0.956</b>	<b>0.906</b>	<b>0.504</b>	<b>0.636</b>	<b>0.741</b>	<b>0.719</b>
	Left Tilted	0.188	0.048	0.391	0.079	0.181	0.009	0.419	0.313	<b>0.236</b>	<b>0.579</b>	<b>0.607</b>	<b>0.276</b>	<b>0.378</b>	<b>0.510</b>	<b>0.417</b>



**FCC SAR TEST REPORT**

**Report No. : FA8N0616-05A**

LTE Band 7_Ant 0b	Right Cheek	0.857	0.283	0.147	0.499	0.297	0.124	0.553	0.465	<b>1.140</b>	<b>1.004</b>	<b>1.410</b>	<b>1.480</b>	<b>1.278</b>	<b>1.446</b>	<b>1.437</b>
	Right Tilted	0.271	0.089	0.122	0.168	0.257	0.035	0.469	0.363	<b>0.360</b>	<b>0.393</b>	<b>0.740</b>	<b>0.474</b>	<b>0.563</b>	<b>0.669</b>	<b>0.617</b>
	Left Cheek	0.453	0.138	0.598	0.091	0.223	0.055	0.548	0.328	<b>0.591</b>	<b>1.051</b>	<b>1.001</b>	<b>0.599</b>	<b>0.731</b>	<b>0.836</b>	<b>0.814</b>
	Left Tilted	0.378	0.048	0.391	0.079	0.181	0.009	0.419	0.313	<b>0.426</b>	<b>0.769</b>	<b>0.797</b>	<b>0.466</b>	<b>0.568</b>	<b>0.700</b>	<b>0.607</b>
LTE Band 12_Ant 0A	Right Cheek	0.216	0.283	0.147	0.499	0.297	0.124	0.553	0.465	<b>0.499</b>	<b>0.363</b>	<b>0.769</b>	<b>0.839</b>	<b>0.637</b>	<b>0.805</b>	<b>0.796</b>
	Right Tilted	0.090	0.089	0.122	0.168	0.257	0.035	0.469	0.363	<b>0.179</b>	<b>0.212</b>	<b>0.559</b>	<b>0.293</b>	<b>0.382</b>	<b>0.488</b>	<b>0.436</b>
	Left Cheek	0.267	0.138	0.598	0.091	0.223	0.055	0.548	0.328	<b>0.405</b>	<b>0.865</b>	<b>0.815</b>	<b>0.413</b>	<b>0.545</b>	<b>0.650</b>	<b>0.628</b>
	Left Tilted	0.119	0.048	0.391	0.079	0.181	0.009	0.419	0.313	<b>0.167</b>	<b>0.510</b>	<b>0.538</b>	<b>0.207</b>	<b>0.309</b>	<b>0.441</b>	<b>0.348</b>
LTE Band 13_Ant 0A	Right Cheek	0.278	0.283	0.147	0.499	0.297	0.124	0.553	0.465	<b>0.561</b>	<b>0.425</b>	<b>0.831</b>	<b>0.901</b>	<b>0.699</b>	<b>0.867</b>	<b>0.858</b>
	Right Tilted	0.173	0.089	0.122	0.168	0.257	0.035	0.469	0.363	<b>0.262</b>	<b>0.295</b>	<b>0.642</b>	<b>0.376</b>	<b>0.465</b>	<b>0.571</b>	<b>0.519</b>
	Left Cheek	0.356	0.138	0.598	0.091	0.223	0.055	0.548	0.328	<b>0.494</b>	<b>0.954</b>	<b>0.904</b>	<b>0.502</b>	<b>0.634</b>	<b>0.739</b>	<b>0.717</b>
	Left Tilted	0.199	0.048	0.391	0.079	0.181	0.009	0.419	0.313	<b>0.247</b>	<b>0.590</b>	<b>0.618</b>	<b>0.287</b>	<b>0.389</b>	<b>0.521</b>	<b>0.428</b>
LTE Band 14_Ant 0A	Right Cheek	0.306	0.283	0.147	0.499	0.297	0.124	0.553	0.465	<b>0.589</b>	<b>0.453</b>	<b>0.859</b>	<b>0.929</b>	<b>0.727</b>	<b>0.895</b>	<b>0.886</b>
	Right Tilted	0.182	0.089	0.122	0.168	0.257	0.035	0.469	0.363	<b>0.271</b>	<b>0.304</b>	<b>0.651</b>	<b>0.385</b>	<b>0.474</b>	<b>0.580</b>	<b>0.528</b>
	Left Cheek	0.364	0.138	0.598	0.091	0.223	0.055	0.548	0.328	<b>0.502</b>	<b>0.962</b>	<b>0.912</b>	<b>0.510</b>	<b>0.642</b>	<b>0.747</b>	<b>0.725</b>
	Left Tilted	0.201	0.048	0.391	0.079	0.181	0.009	0.419	0.313	<b>0.249</b>	<b>0.592</b>	<b>0.620</b>	<b>0.289</b>	<b>0.391</b>	<b>0.523</b>	<b>0.430</b>
LTE Band 25_Ant 0b	Right Cheek	0.437	0.283	0.147	0.499	0.297	0.124	0.553	0.465	<b>0.720</b>	<b>0.584</b>	<b>0.990</b>	<b>1.060</b>	<b>0.858</b>	<b>1.026</b>	<b>1.017</b>
	Right Tilted	0.207	0.089	0.122	0.168	0.257	0.035	0.469	0.363	<b>0.296</b>	<b>0.329</b>	<b>0.676</b>	<b>0.410</b>	<b>0.499</b>	<b>0.605</b>	<b>0.553</b>
	Left Cheek	0.308	0.138	0.598	0.091	0.223	0.055	0.548	0.328	<b>0.446</b>	<b>0.906</b>	<b>0.856</b>	<b>0.454</b>	<b>0.586</b>	<b>0.691</b>	<b>0.669</b>
	Left Tilted	0.268	0.048	0.391	0.079	0.181	0.009	0.419	0.313	<b>0.316</b>	<b>0.659</b>	<b>0.687</b>	<b>0.356</b>	<b>0.458</b>	<b>0.590</b>	<b>0.497</b>
LTE Band 26_Ant 0A	Right Cheek	0.306	0.283	0.147	0.499	0.297	0.124	0.553	0.465	<b>0.589</b>	<b>0.453</b>	<b>0.859</b>	<b>0.929</b>	<b>0.727</b>	<b>0.895</b>	<b>0.886</b>
	Right Tilted	0.199	0.089	0.122	0.168	0.257	0.035	0.469	0.363	<b>0.288</b>	<b>0.321</b>	<b>0.668</b>	<b>0.402</b>	<b>0.491</b>	<b>0.597</b>	<b>0.545</b>
	Left Cheek	0.389	0.138	0.598	0.091	0.223	0.055	0.548	0.328	<b>0.527</b>	<b>0.987</b>	<b>0.937</b>	<b>0.535</b>	<b>0.667</b>	<b>0.772</b>	<b>0.750</b>
	Left Tilted	0.198	0.048	0.391	0.079	0.181	0.009	0.419	0.313	<b>0.246</b>	<b>0.589</b>	<b>0.617</b>	<b>0.286</b>	<b>0.388</b>	<b>0.520</b>	<b>0.427</b>
LTE Band 30_Ant 0b	Right Cheek	0.190	0.283	0.147	0.499	0.297	0.124	0.553	0.465	<b>0.473</b>	<b>0.337</b>	<b>0.743</b>	<b>0.813</b>	<b>0.611</b>	<b>0.779</b>	<b>0.770</b>
	Right Tilted	0.085	0.089	0.122	0.168	0.257	0.035	0.469	0.363	<b>0.174</b>	<b>0.207</b>	<b>0.554</b>	<b>0.288</b>	<b>0.377</b>	<b>0.483</b>	<b>0.431</b>
	Left Cheek	0.142	0.138	0.598	0.091	0.223	0.055	0.548	0.328	<b>0.280</b>	<b>0.740</b>	<b>0.690</b>	<b>0.288</b>	<b>0.420</b>	<b>0.525</b>	<b>0.503</b>
	Left Tilted	0.125	0.048	0.391	0.079	0.181	0.009	0.419	0.313	<b>0.173</b>	<b>0.516</b>	<b>0.544</b>	<b>0.213</b>	<b>0.315</b>	<b>0.447</b>	<b>0.354</b>
LTE Band 41_Ant 0b	Right Cheek	0.771	0.283	0.147	0.499	0.297	0.124	0.553	0.465	<b>1.054</b>	<b>0.918</b>	<b>1.324</b>	<b>1.394</b>	<b>1.192</b>	<b>1.360</b>	<b>1.351</b>
	Right Tilted	0.232	0.089	0.122	0.168	0.257	0.035	0.469	0.363	<b>0.321</b>	<b>0.354</b>	<b>0.701</b>	<b>0.435</b>	<b>0.524</b>	<b>0.630</b>	<b>0.578</b>
	Left Cheek	0.411	0.138	0.598	0.091	0.223	0.055	0.548	0.328	<b>0.549</b>	<b>1.009</b>	<b>0.959</b>	<b>0.557</b>	<b>0.689</b>	<b>0.794</b>	<b>0.772</b>
	Left Tilted	0.367	0.048	0.391	0.079	0.181	0.009	0.419	0.313	<b>0.415</b>	<b>0.758</b>	<b>0.786</b>	<b>0.455</b>	<b>0.557</b>	<b>0.689</b>	<b>0.596</b>
LTE Band 48_Ant 0b	Right Cheek	0.246	0.283	0.147	0.499	0.297	0.124	0.553	0.465	<b>0.529</b>	<b>0.393</b>	<b>0.799</b>	<b>0.869</b>	<b>0.667</b>	<b>0.835</b>	<b>0.826</b>
	Right Tilted	0.030	0.089	0.122	0.168	0.257	0.035	0.469	0.363	<b>0.119</b>	<b>0.152</b>	<b>0.499</b>	<b>0.233</b>	<b>0.322</b>	<b>0.428</b>	<b>0.376</b>
	Left Cheek	0.090	0.138	0.598	0.091	0.223	0.055	0.548	0.328	<b>0.228</b>	<b>0.688</b>	<b>0.638</b>	<b>0.236</b>	<b>0.368</b>	<b>0.473</b>	<b>0.451</b>
	Left Tilted	0.062	0.048	0.391	0.079	0.181	0.009	0.419	0.313	<b>0.110</b>	<b>0.453</b>	<b>0.481</b>	<b>0.150</b>	<b>0.252</b>	<b>0.384</b>	<b>0.291</b>
LTE Band 66_Ant 0b	Right Cheek	0.381	0.283	0.147	0.499	0.297	0.124	0.553	0.465	<b>0.664</b>	<b>0.528</b>	<b>0.934</b>	<b>1.004</b>	<b>0.802</b>	<b>0.970</b>	<b>0.961</b>
	Right Tilted	0.144	0.089	0.122	0.168	0.257	0.035	0.469	0.363	<b>0.233</b>	<b>0.266</b>	<b>0.613</b>	<b>0.347</b>	<b>0.436</b>	<b>0.542</b>	<b>0.490</b>
	Left Cheek	0.229	0.138	0.598	0.091	0.223	0.055	0.548	0.328	<b>0.367</b>	<b>0.827</b>	<b>0.777</b>	<b>0.375</b>	<b>0.507</b>	<b>0.612</b>	<b>0.590</b>
	Left Tilted	0.181	0.048	0.391	0.079	0.181	0.009	0.419	0.313	<b>0.229</b>	<b>0.572</b>	<b>0.600</b>	<b>0.269</b>	<b>0.371</b>	<b>0.503</b>	<b>0.410</b>
LTE Band 71_Ant 0A	Right Cheek	0.191	0.283	0.147	0.499	0.297	0.124	0.553	0.465	<b>0.474</b>	<b>0.338</b>	<b>0.744</b>	<b>0.814</b>	<b>0.612</b>	<b>0.780</b>	<b>0.771</b>
	Right Tilted	0.107	0.089	0.122	0.168	0.257	0.035	0.469	0.363	<b>0.196</b>	<b>0.229</b>	<b>0.576</b>	<b>0.310</b>	<b>0.399</b>	<b>0.505</b>	<b>0.453</b>
	Left Cheek	0.215	0.138	0.598	0.091	0.223	0.055	0.548	0.328	<b>0.353</b>	<b>0.813</b>	<b>0.763</b>	<b>0.361</b>	<b>0.493</b>	<b>0.598</b>	<b>0.576</b>
	Left Tilted	0.077	0.048	0.391	0.079	0.181	0.009	0.419	0.313	<b>0.125</b>	<b>0.468</b>	<b>0.496</b>	<b>0.165</b>	<b>0.267</b>	<b>0.399</b>	<b>0.306</b>



**<WWAN 0c antenna>**

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	1+2 Summed 1g SAR (W/kg)	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 3 1g SAR (W/kg)	5GHz WLAN Ant 2 1g SAR (W/kg)	5GHz WLAN Ant 5 1g SAR (W/kg)	Bluetooth Ant 2 1g SAR (W/kg)	2.4GHz WLAN Ant 2+3 1g SAR (W/kg)	5GHz WLAN Ant 2+5 1g SAR (W/kg)							
GSM1900_Ant 0c	Right Cheek	0.190	0.283	0.147	0.499	0.297	0.124	0.553	0.465	0.473	0.337	0.743	0.813	0.611	0.779	0.770
	Right Tilted	0.115	0.089	0.122	0.168	0.257	0.035	0.469	0.363	0.204	0.237	0.584	0.318	0.407	0.513	0.461
	Left Cheek	0.354	0.138	0.598	0.091	0.223	0.055	0.548	0.328	0.492	0.952	0.902	0.500	0.632	0.737	0.715
	Left Tilted	0.181	0.048	0.391	0.079	0.181	0.009	0.419	0.313	0.229	0.572	0.600	0.269	0.371	0.503	0.410
WCDMA_II_Ant 0c	Right Cheek	0.150	0.283	0.147	0.499	0.297	0.124	0.553	0.465	0.433	0.297	0.703	0.773	0.571	0.739	0.730
	Right Tilted	0.114	0.089	0.122	0.168	0.257	0.035	0.469	0.363	0.203	0.236	0.583	0.317	0.406	0.512	0.460
	Left Cheek	0.328	0.138	0.598	0.091	0.223	0.055	0.548	0.328	0.466	0.926	0.876	0.474	0.606	0.711	0.689
	Left Tilted	0.163	0.048	0.391	0.079	0.181	0.009	0.419	0.313	0.211	0.554	0.582	0.251	0.353	0.485	0.392
WCDMA_IV_Ant 0c	Right Cheek	0.044	0.283	0.147	0.499	0.297	0.124	0.553	0.465	0.327	0.191	0.597	0.667	0.465	0.633	0.624
	Right Tilted	0.037	0.089	0.122	0.168	0.257	0.035	0.469	0.363	0.126	0.159	0.506	0.240	0.329	0.435	0.383
	Left Cheek	0.221	0.138	0.598	0.091	0.223	0.055	0.548	0.328	0.359	0.819	0.769	0.367	0.499	0.604	0.582
	Left Tilted	0.055	0.048	0.391	0.079	0.181	0.009	0.419	0.313	0.103	0.446	0.474	0.143	0.245	0.377	0.284
LTE_Band_25_Ant 0c	Right Cheek	0.369	0.283	0.147	0.499	0.297	0.124	0.553	0.465	0.652	0.516	0.922	0.992	0.790	0.958	0.949
	Right Tilted	0.207	0.089	0.122	0.168	0.257	0.035	0.469	0.363	0.296	0.329	0.676	0.410	0.499	0.605	0.553
	Left Cheek	0.616	0.138	0.598	0.091	0.223	0.055	0.548	0.328	0.754	1.214	1.164	0.762	0.894	0.999	0.977
	Left Tilted	0.286	0.048	0.391	0.079	0.181	0.009	0.419	0.313	0.334	0.677	0.705	0.374	0.476	0.608	0.515
LTE_Band_30_Ant 0c	Right Cheek	0.389	0.283	0.147	0.499	0.297	0.124	0.553	0.465	0.672	0.536	0.942	1.012	0.810	0.978	0.969
	Right Tilted	0.337	0.089	0.122	0.168	0.257	0.035	0.469	0.363	0.426	0.459	0.806	0.540	0.629	0.735	0.683
	Left Cheek	0.770	0.138	0.598	0.091	0.223	0.055	0.548	0.328	0.908	1.368	1.318	0.916	1.048	1.153	1.131
	Left Tilted	0.235	0.048	0.391	0.079	0.181	0.009	0.419	0.313	0.283	0.626	0.654	0.323	0.425	0.557	0.464
LTE_Band_41_Ant 0c	Right Cheek	0.328	0.283	0.147	0.499	0.297	0.124	0.553	0.465	0.611	0.475	0.881	0.951	0.749	0.917	0.908
	Right Tilted	0.224	0.089	0.122	0.168	0.257	0.035	0.469	0.363	0.313	0.346	0.693	0.427	0.516	0.622	0.570
	Left Cheek	0.757	0.138	0.598	0.091	0.223	0.055	0.548	0.328	0.895	1.355	1.305	0.903	1.035	1.140	1.118
	Left Tilted	0.157	0.048	0.391	0.079	0.181	0.009	0.419	0.313	0.205	0.548	0.576	0.245	0.347	0.479	0.386
LTE_Band_48_Ant 0c	Right Cheek	0.011	0.283	0.147	0.499	0.297	0.124	0.553	0.465	0.294	0.158	0.564	0.634	0.432	0.600	0.591
	Right Tilted	0.001	0.089	0.122	0.168	0.257	0.035	0.469	0.363	0.090	0.123	0.470	0.204	0.293	0.399	0.347
	Left Cheek	0.082	0.138	0.598	0.091	0.223	0.055	0.548	0.328	0.220	0.680	0.630	0.228	0.360	0.465	0.443
	Left Tilted	0.005	0.048	0.391	0.079	0.181	0.009	0.419	0.313	0.053	0.396	0.424	0.093	0.195	0.327	0.234
LTE_Band_66_Ant 0c	Right Cheek	0.157	0.283	0.147	0.499	0.297	0.124	0.553	0.465	0.440	0.304	0.710	0.780	0.578	0.746	0.737
	Right Tilted	0.109	0.089	0.122	0.168	0.257	0.035	0.469	0.363	0.198	0.231	0.578	0.312	0.401	0.507	0.455
	Left Cheek	0.555	0.138	0.598	0.091	0.223	0.055	0.548	0.328	0.693	1.153	1.103	0.701	0.833	0.938	0.916
	Left Tilted	0.127	0.048	0.391	0.079	0.181	0.009	0.419	0.313	0.175	0.518	0.546	0.215	0.317	0.449	0.356





<WWAN Ant 1 antenna>

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	1+2 Summed 1g SAR (W/kg)	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 3 1g SAR (W/kg)	5GHz WLAN Ant 2 1g SAR (W/kg)	5GHz WLAN Ant 5 1g SAR (W/kg)	Bluetooth Ant 2 1g SAR (W/kg)	2.4GHz WLAN Ant 2+3 1g SAR (W/kg)	5GHz WLAN Ant 2+5 1g SAR (W/kg)							
GSM850_Ant 1	Right Cheek	0.939	0.283	0.147	0.499	0.297	0.124	0.553	0.465	1.222	1.086	1.492	1.562	1.360	1.528	1.519
	Right Tilted	0.629	0.089	0.122	0.168	0.257	0.035	0.469	0.363	0.718	0.751	1.098	0.832	0.921	1.027	0.975
	Left Cheek	0.535	0.138	0.598	0.091	0.223	0.055	0.548	0.328	0.673	1.133	1.083	0.681	0.813	0.918	0.896
	Left Tilted	0.541	0.048	0.391	0.079	0.181	0.009	0.419	0.313	0.589	0.932	0.960	0.629	0.731	0.863	0.770
GSM1900_Ant 1	Right Cheek	0.848	0.283	0.147	0.499	0.297	0.124	0.553	0.465	1.131	0.995	1.401	1.471	1.269	1.437	1.428
	Right Tilted	0.893	0.089	0.122	0.168	0.257	0.035	0.469	0.363	0.982	1.015	1.362	1.096	1.185	1.291	1.239
	Left Cheek	0.301	0.138	0.598	0.091	0.223	0.055	0.548	0.328	0.439	0.899	0.849	0.447	0.579	0.684	0.662
	Left Tilted	0.429	0.048	0.391	0.079	0.181	0.009	0.419	0.313	0.477	0.820	0.848	0.517	0.619	0.751	0.658
WCDMA II_Ant 1	Right Cheek	0.851	0.283	0.147	0.499	0.297	0.124	0.553	0.465	1.134	0.998	1.404	1.474	1.272	1.440	1.431
	Right Tilted	0.937	0.089	0.122	0.168	0.257	0.035	0.469	0.363	1.026	1.059	1.406	1.140	1.229	1.335	1.283
	Left Cheek	0.268	0.138	0.598	0.091	0.223	0.055	0.548	0.328	0.406	0.866	0.816	0.414	0.546	0.651	0.629
	Left Tilted	0.398	0.048	0.391	0.079	0.181	0.009	0.419	0.313	0.446	0.789	0.817	0.486	0.588	0.720	0.627
WCDMA IV_Ant 1	Right Cheek	0.814	0.283	0.147	0.499	0.297	0.124	0.553	0.465	1.097	0.961	1.367	1.437	1.235	1.403	1.394
	Right Tilted	0.933	0.089	0.122	0.168	0.257	0.035	0.469	0.363	1.022	1.055	1.402	1.136	1.225	1.331	1.279
	Left Cheek	0.262	0.138	0.598	0.091	0.223	0.055	0.548	0.328	0.400	0.860	0.810	0.408	0.540	0.645	0.623
	Left Tilted	0.435	0.048	0.391	0.079	0.181	0.009	0.419	0.313	0.483	0.826	0.854	0.523	0.625	0.757	0.664
WCDMA V_Ant 1	Right Cheek	0.895	0.283	0.147	0.499	0.297	0.124	0.553	0.465	1.178	1.042	1.448	1.518	1.316	1.484	1.475
	Right Tilted	0.679	0.089	0.122	0.168	0.257	0.035	0.469	0.363	0.768	0.801	1.148	0.882	0.971	1.077	1.025
	Left Cheek	0.584	0.138	0.598	0.091	0.223	0.055	0.548	0.328	0.722	1.182	1.132	0.730	0.862	0.967	0.945
	Left Tilted	0.535	0.048	0.391	0.079	0.181	0.009	0.419	0.313	0.583	0.926	0.954	0.623	0.725	0.857	0.764
CDMA BC0_Ant 1	Right Cheek	0.886	0.283	0.147	0.499	0.297	0.124	0.553	0.465	1.169	1.033	1.439	1.509	1.307	1.475	1.466
	Right Tilted	0.596	0.089	0.122	0.168	0.257	0.035	0.469	0.363	0.685	0.718	1.065	0.799	0.888	0.994	0.942
	Left Cheek	0.486	0.138	0.598	0.091	0.223	0.055	0.548	0.328	0.624	1.084	1.034	0.632	0.764	0.869	0.847
	Left Tilted	0.471	0.048	0.391	0.079	0.181	0.009	0.419	0.313	0.519	0.862	0.890	0.559	0.661	0.793	0.700
CDMA BC1_Ant 1	Right Cheek	0.817	0.283	0.147	0.499	0.297	0.124	0.553	0.465	1.100	0.964	1.370	1.440	1.238	1.406	1.397
	Right Tilted	0.885	0.089	0.122	0.168	0.257	0.035	0.469	0.363	0.974	1.007	1.354	1.088	1.177	1.283	1.231
	Left Cheek	0.323	0.138	0.598	0.091	0.223	0.055	0.548	0.328	0.461	0.921	0.871	0.469	0.601	0.706	0.684
	Left Tilted	0.441	0.048	0.391	0.079	0.181	0.009	0.419	0.313	0.489	0.832	0.860	0.529	0.631	0.763	0.670
CDMA BC10_Ant 1	Right Cheek	0.879	0.283	0.147	0.499	0.297	0.124	0.553	0.465	1.162	1.026	1.432	1.502	1.300	1.468	1.459
	Right Tilted	0.556	0.089	0.122	0.168	0.257	0.035	0.469	0.363	0.645	0.678	1.025	0.759	0.848	0.954	0.902
	Left Cheek	0.549	0.138	0.598	0.091	0.223	0.055	0.548	0.328	0.687	1.147	1.097	0.695	0.827	0.932	0.910
	Left Tilted	0.488	0.048	0.391	0.079	0.181	0.009	0.419	0.313	0.536	0.879	0.907	0.576	0.678	0.810	0.717
LTE Band 7_Ant 1	Right Cheek	0.962	0.283	0.147	0.499	0.297	0.124	0.553	0.465	1.245	1.109	1.515	1.585	1.383	1.551	1.542
	Right Tilted	0.754	0.089	0.122	0.168	0.257	0.035	0.469	0.363	0.843	0.876	1.223	0.957	1.046	1.152	1.100
	Left Cheek	0.372	0.138	0.598	0.091	0.223	0.055	0.548	0.328	0.510	0.970	0.920	0.518	0.650	0.755	0.733
	Left Tilted	0.327	0.048	0.391	0.079	0.181	0.009	0.419	0.313	0.375	0.718	0.746	0.415	0.517	0.649	0.556
LTE Band 12_Ant 1	Right Cheek	0.966	0.283	0.147	0.499	0.297	0.124	0.553	0.465	1.249	1.113	1.519	1.589	1.387	1.555	1.546
	Right Tilted	0.744	0.089	0.122	0.168	0.257	0.035	0.469	0.363	0.833	0.866	1.213	0.947	1.036	1.142	1.090
	Left Cheek	0.491	0.138	0.598	0.091	0.223	0.055	0.548	0.328	0.629	1.089	1.039	0.637	0.769	0.874	0.852
	Left Tilted	0.449	0.048	0.391	0.079	0.181	0.009	0.419	0.313	0.497	0.840	0.868	0.537	0.639	0.771	0.678
LTE Band 13_Ant 1	Right Cheek	0.927	0.283	0.147	0.499	0.297	0.124	0.553	0.465	1.210	1.074	1.480	1.550	1.348	1.516	1.507
	Right Tilted	0.652	0.089	0.122	0.168	0.257	0.035	0.469	0.363	0.741	0.774	1.121	0.855	0.944	1.050	0.998
	Left Cheek	0.563	0.138	0.598	0.091	0.223	0.055	0.548	0.328	0.701	1.161	1.111	0.709	0.841	0.946	0.924
	Left Tilted	0.487	0.048	0.391	0.079	0.181	0.009	0.419	0.313	0.535	0.878	0.906	0.575	0.677	0.809	0.716
LTE Band 14_Ant 1	Right Cheek	0.924	0.283	0.147	0.499	0.297	0.124	0.553	0.465	1.207	1.071	1.477	1.547	1.345	1.513	1.504
	Right Tilted	0.608	0.089	0.122	0.168	0.257	0.035	0.469	0.363	0.697	0.730	1.077	0.811	0.900	1.006	0.954
	Left Cheek	0.542	0.138	0.598	0.091	0.223	0.055	0.548	0.328	0.680	1.140	1.090	0.688	0.820	0.925	0.903
	Left Tilted	0.480	0.048	0.391	0.079	0.181	0.009	0.419	0.313	0.528	0.871	0.899	0.568	0.670	0.802	0.709
LTE Band	Right Cheek	0.850	0.283	0.147	0.499	0.297	0.124	0.553	0.465	1.133	0.997	1.403	1.473	1.271	1.439	1.430



**FCC SAR TEST REPORT**

**Report No. : FA8N0616-05A**

25_Ant 1	Right Tilted	0.943	0.089	0.122	0.168	0.257	0.035	0.469	0.363	1.032	1.065	1.412	1.146	1.235	1.341	1.289
	Left Cheek	0.256	0.138	0.598	0.091	0.223	0.055	0.548	0.328	0.394	0.854	0.804	0.402	0.534	0.639	0.617
	Left Tilted	0.394	0.048	0.391	0.079	0.181	0.009	0.419	0.313	0.442	0.785	0.813	0.482	0.584	0.716	0.623
LTE Band 26_Ant 1	Right Cheek	0.956	0.283	0.147	0.499	0.297	0.124	0.553	0.465	1.239	1.103	1.509	1.579	1.377	1.545	1.536
	Right Tilted	0.668	0.089	0.122	0.168	0.257	0.035	0.469	0.363	0.757	0.790	1.137	0.871	0.960	1.066	1.014
	Left Cheek	0.567	0.138	0.598	0.091	0.223	0.055	0.548	0.328	0.705	1.165	1.115	0.713	0.845	0.950	0.928
	Left Tilted	0.509	0.048	0.391	0.079	0.181	0.009	0.419	0.313	0.557	0.900	0.928	0.597	0.699	0.831	0.738
LTE Band 30_Ant 1	Right Cheek	0.825	0.283	0.147	0.499	0.297	0.124	0.553	0.465	1.108	0.972	1.378	1.448	1.246	1.414	1.405
	Right Tilted	0.930	0.089	0.122	0.168	0.257	0.035	0.469	0.363	1.019	1.052	1.399	1.133	1.222	1.328	1.276
	Left Cheek	0.314	0.138	0.598	0.091	0.223	0.055	0.548	0.328	0.452	0.912	0.862	0.460	0.592	0.697	0.675
	Left Tilted	0.357	0.048	0.391	0.079	0.181	0.009	0.419	0.313	0.405	0.748	0.776	0.445	0.547	0.679	0.586
LTE Band 41_Ant 1	Right Cheek	0.889	0.283	0.147	0.499	0.297	0.124	0.553	0.465	1.172	1.036	1.442	1.512	1.310	1.478	1.469
	Right Tilted	0.448	0.089	0.122	0.168	0.257	0.035	0.469	0.363	0.537	0.570	0.917	0.651	0.740	0.846	0.794
	Left Cheek	0.202	0.138	0.598	0.091	0.223	0.055	0.548	0.328	0.340	0.800	0.750	0.348	0.480	0.585	0.563
	Left Tilted	0.160	0.048	0.391	0.079	0.181	0.009	0.419	0.313	0.208	0.551	0.579	0.248	0.350	0.482	0.389
LTE Band 66_Ant 1	Right Cheek	0.798	0.283	0.147	0.499	0.297	0.124	0.553	0.465	1.081	0.945	1.351	1.421	1.219	1.387	1.378
	Right Tilted	0.951	0.089	0.122	0.168	0.257	0.035	0.469	0.363	1.040	1.073	1.420	1.154	1.243	1.349	1.297
	Left Cheek	0.293	0.138	0.598	0.091	0.223	0.055	0.548	0.328	0.431	0.891	0.841	0.439	0.571	0.676	0.654
	Left Tilted	0.438	0.048	0.391	0.079	0.181	0.009	0.419	0.313	0.486	0.829	0.857	0.526	0.628	0.760	0.667
LTE Band 71_Ant 1	Right Cheek	0.904	0.283	0.147	0.499	0.297	0.124	0.553	0.465	1.187	1.051	1.457	1.527	1.325	1.493	1.484
	Right Tilted	0.741	0.089	0.122	0.168	0.257	0.035	0.469	0.363	0.830	0.863	1.210	0.944	1.033	1.139	1.087
	Left Cheek	0.542	0.138	0.598	0.091	0.223	0.055	0.548	0.328	0.680	1.140	1.090	0.688	0.820	0.925	0.903
	Left Tilted	0.532	0.048	0.391	0.079	0.181	0.009	0.419	0.313	0.580	0.923	0.951	0.620	0.722	0.854	0.761



16.2 Hotspot Exposure Conditions

<Simultaneous Transmission is active>

<WWAN 0a/0b antennas>

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	1+2 Summed 1g SAR (W/kg)	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 3 1g SAR (W/kg)	5GHz WLAN Ant 2 1g SAR (W/kg)	5GHz WLAN Ant 5 1g SAR (W/kg)	Bluetooth Ant 2 1g SAR (W/kg)	2.4GHz WLAN Ant 2+3 1g SAR (W/kg)	5GHz WLAN Ant 2+5 1g SAR (W/kg)							
GSM850_Ant 0A	Front	0.609	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.721	0.846	1.139	0.838	0.794	0.893	0.804
	Back	0.834	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.946	1.129	1.413	1.152	1.268	1.341	1.235
	Left side	0.912	0.204		0.336	0.071	0.199	0.575	0.382	1.116	0.912	1.487	1.447	1.182	1.493	1.187
	Right side	0.315		0.590				0.598		0.315	0.905	0.913	0.315	0.315	0.315	0.315
	Top side		0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.010	0.210	0.337	0.121	0.162	0.131	0.121
	Bottom side	0.704								0.704	0.704	0.704	0.704	0.704	0.704	0.704
GSM1900_Ant 0b	Front	0.929	0.112	0.237	0.127	0.083	0.102	0.530	0.182	1.041	1.166	1.459	1.158	1.114	1.213	1.124
	Back	0.691	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.803	0.986	1.270	1.009	1.125	1.198	1.092
	Left side	0.291	0.204		0.336	0.071	0.199	0.575	0.382	0.495	0.291	0.866	0.826	0.561	0.872	0.566
	Right side	0.724		0.590				0.598		0.724	1.314	1.322	0.724	0.724	0.724	0.724
	Top side		0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.010	0.210	0.337	0.121	0.162	0.131	0.121
	Bottom side	0.773								0.773	0.773	0.773	0.773	0.773	0.773	0.773
WCDMA II_Ant 0b	Front	0.891	0.112	0.237	0.127	0.083	0.102	0.530	0.182	1.003	1.128	1.421	1.120	1.076	1.175	1.086
	Back	0.861	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.973	1.156	1.440	1.179	1.295	1.368	1.262
	Left side	0.309	0.204		0.336	0.071	0.199	0.575	0.382	0.513	0.309	0.884	0.844	0.579	0.890	0.584
	Right side	0.715		0.590				0.598		0.715	1.305	1.313	0.715	0.715	0.715	0.715
	Top side		0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.010	0.210	0.337	0.121	0.162	0.131	0.121
	Bottom side	1.002								1.002	1.002	1.002	1.002	1.002	1.002	1.002
WCDMA IV_Ant 0b	Front	0.727	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.839	0.964	1.257	0.956	0.912	1.011	0.922
	Back	0.862	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.974	1.157	1.441	1.180	1.296	1.369	1.263
	Left side	0.179	0.204		0.336	0.071	0.199	0.575	0.382	0.383	0.179	0.754	0.714	0.449	0.760	0.454
	Right side	0.452		0.590				0.598		0.452	1.042	1.050	0.452	0.452	0.452	0.452
	Top side		0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.010	0.210	0.337	0.121	0.162	0.131	0.121
	Bottom side	0.798								0.798	0.798	0.798	0.798	0.798	0.798	0.798
WCDMA V_Ant 0A	Front	0.505	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.617	0.742	1.035	0.734	0.690	0.789	0.700
	Back	0.650	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.762	0.945	1.229	0.968	1.084	1.157	1.051
	Left side	0.695	0.204		0.336	0.071	0.199	0.575	0.382	0.899	0.695	1.270	1.230	0.965	1.276	0.970
	Right side	0.382		0.590				0.598		0.382	0.972	0.980	0.382	0.382	0.382	0.382
	Top side		0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.010	0.210	0.337	0.121	0.162	0.131	0.121
	Bottom side	0.624								0.624	0.624	0.624	0.624	0.624	0.624	0.624
CDMA BC0_Ant 0A	Front	0.439	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.551	0.676	0.969	0.668	0.624	0.723	0.634
	Back	0.633	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.745	0.928	1.212	0.951	1.067	1.140	1.034
	Left side	0.745	0.204		0.336	0.071	0.199	0.575	0.382	0.949	0.745	1.320	1.280	1.015	1.326	1.020
	Right side	0.340		0.590				0.598		0.340	0.930	0.938	0.340	0.340	0.340	0.340
	Top side		0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.010	0.210	0.337	0.121	0.162	0.131	0.121
	Bottom side	0.600								0.600	0.600	0.600	0.600	0.600	0.600	0.600
CDMA BC1_Ant 0b	Front	0.741	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.853	0.978	1.271	0.970	0.926	1.025	0.936
	Back	0.773	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.885	1.068	1.352	1.091	1.207	1.280	1.174
	Left side	0.293	0.204		0.336	0.071	0.199	0.575	0.382	0.497	0.293	0.868	0.828	0.563	0.874	0.568
	Right side	0.755		0.590				0.598		0.755	1.345	1.353	0.755	0.755	0.755	0.755
	Top side		0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.010	0.210	0.337	0.121	0.162	0.131	0.121
	Bottom side	0.893								0.893	0.893	0.893	0.893	0.893	0.893	0.893
CDMA BC10_Ant 0A	Front	0.436	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.548	0.673	0.966	0.665	0.621	0.720	0.631
	Back	0.612	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.724	0.907	1.191	0.930	1.046	1.119	1.013
	Left side	0.659	0.204		0.336	0.071	0.199	0.575	0.382	0.863	0.659	1.234	1.194	0.929	1.240	0.934
	Right side	0.333		0.590				0.598		0.333	0.923	0.931	0.333	0.333	0.333	0.333
	Top side		0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.010	0.210	0.337	0.121	0.162	0.131	0.121
	Bottom side	0.537								0.537	0.537	0.537	0.537	0.537	0.537	0.537
LTE Band 7_Ant 0b	Front	0.469	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.581	0.706	0.999	0.698	0.654	0.753	0.664
	Back	0.947	0.112	0.295	0.173	0.289	0.145	0.579	0.362	1.059	1.242	1.526	1.265	1.381	1.454	1.348
	Left side	0.004	0.204		0.336	0.071	0.199	0.575	0.382	0.208	0.004	0.579	0.539	0.274	0.585	0.279
	Right side	0.732		0.590				0.598		0.732	1.322	1.330	0.732	0.732	0.732	0.732
	Top side		0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.010	0.210	0.337	0.121	0.162	0.131	0.121
	Bottom side	0.387								0.387	0.387	0.387	0.387	0.387	0.387	0.387



**FCC SAR TEST REPORT**

Report No. : FA8N0616-05A

LTE Band 12_Ant 0A	Front	0.309	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.421	0.546	0.839	0.538	0.494	0.593	0.504
	Back	0.311	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.423	0.606	0.890	0.629	0.745	0.818	0.712
	Left side	0.392	0.204		0.336	0.071	0.199	0.575	0.382	0.596	0.392	0.967	0.927	0.662	0.973	0.667
	Right side	0.230		0.590				0.598		0.230	0.820	0.828	0.230	0.230	0.230	0.230
	Top side		0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.010	0.210	0.337	0.121	0.162	0.131	0.121
	Bottom side	0.225								0.225	0.225	0.225	0.225	0.225	0.225	0.225
LTE Band 13_Ant 0A	Front	0.387	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.499	0.624	0.917	0.616	0.572	0.671	0.582
	Back	0.516	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.628	0.811	1.095	0.834	0.950	1.023	0.917
	Left side	0.686	0.204		0.336	0.071	0.199	0.575	0.382	0.890	0.686	1.261	1.221	0.956	1.267	0.961
	Right side	0.457		0.590				0.598		0.457	1.047	1.055	0.457	0.457	0.457	0.457
	Top side		0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.010	0.210	0.337	0.121	0.162	0.131	0.121
	Bottom side	0.431								0.431	0.431	0.431	0.431	0.431	0.431	0.431
LTE Band 14_Ant 0A	Front	0.392	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.504	0.629	0.922	0.621	0.577	0.676	0.587
	Back	0.520	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.632	0.815	1.099	0.838	0.954	1.027	0.921
	Left side	0.783	0.204		0.336	0.071	0.199	0.575	0.382	0.987	0.783	1.358	1.318	1.053	1.364	1.058
	Right side	0.458		0.590				0.598		0.458	1.048	1.056	0.458	0.458	0.458	0.458
	Top side		0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.010	0.210	0.337	0.121	0.162	0.131	0.121
	Bottom side	0.444								0.444	0.444	0.444	0.444	0.444	0.444	0.444
LTE Band 25_Ant 0b	Front	0.639	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.751	0.876	1.169	0.868	0.824	0.923	0.834
	Back	0.714	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.826	1.009	1.293	1.032	1.148	1.221	1.115
	Left side	0.131	0.204		0.336	0.071	0.199	0.575	0.382	0.335	0.131	0.706	0.666	0.401	0.712	0.406
	Right side	0.622		0.590				0.598		0.622	1.212	1.220	0.622	0.622	0.622	0.622
	Top side		0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.010	0.210	0.337	0.121	0.162	0.131	0.121
	Bottom side	0.939								0.939	0.939	0.939	0.939	0.939	0.939	0.939
LTE Band 26_Ant 0A	Front	0.490	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.602	0.727	1.020	0.719	0.675	0.774	0.685
	Back	0.628	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.740	0.923	1.207	0.946	1.062	1.135	1.029
	Left side	0.753	0.204		0.336	0.071	0.199	0.575	0.382	0.957	0.753	1.328	1.288	1.023	1.334	1.028
	Right side	0.322		0.590				0.598		0.322	0.912	0.920	0.322	0.322	0.322	0.322
	Top side		0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.010	0.210	0.337	0.121	0.162	0.131	0.121
	Bottom side	0.592								0.592	0.592	0.592	0.592	0.592	0.592	0.592
LTE Band 30_Ant 0b	Front	0.626	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.738	0.863	1.156	0.855	0.811	0.910	0.821
	Back	0.933	0.112	0.295	0.173	0.289	0.145	0.579	0.362	1.045	1.228	1.512	1.251	1.367	1.440	1.334
	Left side	0.052	0.204		0.336	0.071	0.199	0.575	0.382	0.256	0.052	0.627	0.587	0.322	0.633	0.327
	Right side	0.609		0.590				0.598		0.609	1.199	1.207	0.609	0.609	0.609	0.609
	Top side		0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.010	0.210	0.337	0.121	0.162	0.131	0.121
	Bottom side	0.626								0.626	0.626	0.626	0.626	0.626	0.626	0.626
LTE Band 41_Ant 0b	Front	0.361	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.473	0.598	0.891	0.590	0.546	0.645	0.556
	Back	0.999	0.112	0.295	0.173	0.289	0.145	0.579	0.362	1.111	1.294	1.578	1.317	1.433	1.506	1.400
	Left side	0.004	0.204		0.336	0.071	0.199	0.575	0.382	0.208	0.004	0.579	0.539	0.274	0.585	0.279
	Right side	0.796		0.590				0.598		0.796	1.386	1.394	0.796	0.796	0.796	0.796
	Top side		0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.010	0.210	0.337	0.121	0.162	0.131	0.121
	Bottom side	0.336								0.336	0.336	0.336	0.336	0.336	0.336	0.336
LTE Band 48_Ant 0b	Front	0.188	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.300	0.425	0.718	0.417	0.373	0.472	0.383
	Back	0.251	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.363	0.546	0.830	0.569	0.685	0.758	0.652
	Left side	0.030	0.204		0.336	0.071	0.199	0.575	0.382	0.234	0.030	0.605	0.565	0.300	0.611	0.305
	Right side	0.297		0.590				0.598		0.297	0.887	0.895	0.297	0.297	0.297	0.297
	Top side		0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.010	0.210	0.337	0.121	0.162	0.131	0.121
	Bottom side	0.191								0.191	0.191	0.191	0.191	0.191	0.191	0.191
LTE Band 66_Ant 0b	Front	0.643	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.755	0.880	1.173	0.872	0.828	0.927	0.838
	Back	0.749	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.861	1.044	1.328	1.067	1.183	1.256	1.150
	Left side	0.085	0.204		0.336	0.071	0.199	0.575	0.382	0.289	0.085	0.660	0.620	0.355	0.666	0.360
	Right side	0.578		0.590				0.598		0.578	1.168	1.176	0.578	0.578	0.578	0.578
	Top side		0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.010	0.210	0.337	0.121	0.162	0.131	0.121
	Bottom side	1.007								1.007	1.007	1.007	1.007	1.007	1.007	1.007
LTE Band 71_Ant 0A	Front	0.282	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.394	0.519	0.812	0.511	0.467	0.566	0.477
	Back	0.312	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.424	0.607	0.891	0.630	0.746	0.819	0.713
	Left side	0.329	0.204		0.336	0.071	0.199	0.575	0.382	0.533	0.329	0.904	0.864	0.599	0.910	0.604
	Right side	0.180		0.590				0.598		0.180	0.770	0.778	0.180	0.180	0.180	0.180
	Top side		0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.010	0.210	0.337	0.121	0.162	0.131	0.121
	Bottom side	0.170								0.170	0.170	0.170	0.170	0.170	0.170	0.170



<WWAN 0c antenna>

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	1+2 Summed 1g SAR (W/kg)	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 3 1g SAR (W/kg)	5GHz WLAN Ant 2 1g SAR (W/kg)	5GHz WLAN Ant 5 1g SAR (W/kg)	Bluetooth Ant 2 1g SAR (W/kg)	2.4GHz WLAN Ant 2+3 1g SAR (W/kg)	5GHz WLAN Ant 2+5 1g SAR (W/kg)							
GSM1900_Ant 0c	Front	0.391	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.503	0.628	0.921	0.620	0.576	0.675	0.586
	Back	0.620	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.732	0.915	1.199	0.938	1.054	1.127	1.021
	Left side	0.254	0.204		0.336	0.071	0.199	0.575	0.382	0.458	0.254	0.829	0.789	0.524	0.835	0.529
	Right side	0.053		0.590				0.598		0.053	0.643	0.651	0.053	0.053	0.053	0.053
	Top side		0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.010	0.210	0.337	0.121	0.162	0.131	0.121
	Bottom side	0.947								0.947	0.947	0.947	0.947	0.947	0.947	0.947
WCDMA II_Ant 0c	Front	0.418	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.530	0.655	0.948	0.647	0.603	0.702	0.613
	Back	0.676	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.788	0.971	1.255	0.994	1.110	1.183	1.077
	Left side	0.477	0.204		0.336	0.071	0.199	0.575	0.382	0.681	0.477	1.052	1.012	0.747	1.058	0.752
	Right side	0.049		0.590				0.598		0.049	0.639	0.647	0.049	0.049	0.049	0.049
	Top side		0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.010	0.210	0.337	0.121	0.162	0.131	0.121
	Bottom side	0.979								0.979	0.979	0.979	0.979	0.979	0.979	0.979
WCDMA IV_Ant 0c	Front	0.415	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.527	0.652	0.945	0.644	0.600	0.699	0.610
	Back	0.683	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.795	0.978	1.262	1.001	1.117	1.190	1.084
	Left side	0.271	0.204		0.336	0.071	0.199	0.575	0.382	0.475	0.271	0.846	0.806	0.541	0.852	0.546
	Right side	0.054		0.590				0.598		0.054	0.644	0.652	0.054	0.054	0.054	0.054
	Top side		0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.010	0.210	0.337	0.121	0.162	0.131	0.121
	Bottom side	0.994								0.994	0.994	0.994	0.994	0.994	0.994	0.994
LTE Band 25_Ant 0c	Front	0.444	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.556	0.681	0.974	0.673	0.629	0.728	0.639
	Back	0.489	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.601	0.784	1.068	0.807	0.923	0.996	0.890
	Left side	0.664	0.204		0.336	0.071	0.199	0.575	0.382	0.868	0.664	1.239	1.199	0.934	1.245	0.939
	Right side	0.043		0.590				0.598		0.043	0.633	0.641	0.043	0.043	0.043	0.043
	Top side		0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.010	0.210	0.337	0.121	0.162	0.131	0.121
	Bottom side	0.230								0.230	0.230	0.230	0.230	0.230	0.230	0.230
LTE Band 30_Ant 0c	Front	0.705	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.817	0.942	1.235	0.934	0.890	0.989	0.900
	Back	0.769	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.881	1.064	1.348	1.087	1.203	1.276	1.170
	Left side	0.972	0.204		0.336	0.071	0.199	0.575	0.382	1.176	0.972	1.547	1.507	1.242	1.553	1.247
	Right side	0.084		0.590				0.598		0.084	0.674	0.682	0.084	0.084	0.084	0.084
	Top side		0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.010	0.210	0.337	0.121	0.162	0.131	0.121
	Bottom side	0.458								0.458	0.458	0.458	0.458	0.458	0.458	0.458
LTE Band 41_Ant 0c	Front	0.419	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.531	0.656	0.949	0.648	0.604	0.703	0.614
	Back	0.463	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.575	0.758	1.042	0.781	0.897	0.970	0.864
	Left side	0.943	0.204		0.336	0.071	0.199	0.575	0.382	1.147	0.943	1.518	1.478	1.213	1.524	1.218
	Right side	0.318		0.590				0.598		0.318	0.908	0.916	0.318	0.318	0.318	0.318
	Top side		0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.010	0.210	0.337	0.121	0.162	0.131	0.121
	Bottom side	0.220								0.220	0.220	0.220	0.220	0.220	0.220	0.220
LTE Band 48_Ant 0c	Front	0.190	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.302	0.427	0.720	0.419	0.375	0.474	0.385
	Back	0.464	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.576	0.759	1.043	0.782	0.898	0.971	0.865
	Left side	0.071	0.204		0.336	0.071	0.199	0.575	0.382	0.275	0.071	0.646	0.606	0.341	0.652	0.346
	Right side	0.026		0.590				0.598		0.026	0.616	0.624	0.026	0.026	0.026	0.026
	Top side		0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.010	0.210	0.337	0.121	0.162	0.131	0.121
	Bottom side	0.191								0.191	0.191	0.191	0.191	0.191	0.191	0.191
LTE Band 66_Ant 0c	Front	0.306	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.418	0.543	0.836	0.535	0.491	0.590	0.501
	Back	0.564	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.676	0.859	1.143	0.882	0.998	1.071	0.965
	Left side	0.324	0.204		0.336	0.071	0.199	0.575	0.382	0.528	0.324	0.899	0.859	0.594	0.905	0.599
	Right side	0.019		0.590				0.598		0.019	0.609	0.617	0.019	0.019	0.019	0.019
	Top side		0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.010	0.210	0.337	0.121	0.162	0.131	0.121
	Bottom side	0.087								0.087	0.087	0.087	0.087	0.087	0.087	0.087



<WWAN Ant 1 antenna>

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	1+2 Summed 1g SAR (W/kg)	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 3	5GHz WLAN Ant 2	5GHz WLAN Ant 5	Bluetooth Ant 2	2.4GHz WLAN Ant 2+3	5GHz WLAN Ant 2+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	0.595	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.707	0.832	1.125	0.824	0.780	0.879	0.790
	Back	0.662	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.774	0.957	1.241	0.980	1.096	1.169	1.063
	Left side	0.208	0.204		0.336	0.071	0.199	0.575	0.382	0.412	0.208	0.783	0.743	0.478	0.789	0.483
	Right side	0.263		0.590				0.598		0.263	0.853	0.861	0.263	0.263	0.263	0.263
	Top side	0.278	0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.288	0.488	0.615	0.399	0.440	0.409	0.399
	Bottom side									0.000	0.000	0.000	0.000	0.000	0.000	0.000
GSM1900_Ant 1	Front	0.523	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.635	0.760	1.053	0.752	0.708	0.807	0.718
	Back	0.770	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.882	1.065	1.349	1.088	1.204	1.277	1.171
	Left side	0.382	0.204		0.336	0.071	0.199	0.575	0.382	0.586	0.382	0.957	0.917	0.652	0.963	0.657
	Right side	0.011		0.590				0.598		0.011	0.601	0.609	0.011	0.011	0.011	0.011
	Top side	0.960	0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.970	1.170	1.297	1.081	1.122	1.091	1.081
	Bottom side									0.000	0.000	0.000	0.000	0.000	0.000	0.000
WCDMA II_Ant 1	Front	0.586	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.698	0.823	1.116	0.815	0.771	0.870	0.781
	Back	0.784	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.896	1.079	1.363	1.102	1.218	1.291	1.185
	Left side	0.373	0.204		0.336	0.071	0.199	0.575	0.382	0.577	0.373	0.948	0.908	0.643	0.954	0.648
	Right side	0.017		0.590				0.598		0.017	0.607	0.615	0.017	0.017	0.017	0.017
	Top side	0.951	0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.961	1.161	1.288	1.072	1.113	1.082	1.072
	Bottom side									0.000	0.000	0.000	0.000	0.000	0.000	0.000
WCDMA IV_Ant 1	Front	0.371	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.483	0.608	0.901	0.600	0.556	0.655	0.566
	Back	0.403	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.515	0.698	0.982	0.721	0.837	0.910	0.804
	Left side	0.200	0.204		0.336	0.071	0.199	0.575	0.382	0.404	0.200	0.775	0.735	0.470	0.781	0.475
	Right side	0.009		0.590				0.598		0.009	0.599	0.607	0.009	0.009	0.009	0.009
	Top side	0.802	0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.812	1.012	1.139	0.923	0.964	0.933	0.923
	Bottom side									0.000	0.000	0.000	0.000	0.000	0.000	0.000
WCDMA V_Ant 1	Front	0.583	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.695	0.820	1.113	0.812	0.768	0.867	0.778
	Back	0.576	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.688	0.871	1.155	0.894	1.010	1.083	0.977
	Left side	0.157	0.204		0.336	0.071	0.199	0.575	0.382	0.361	0.157	0.732	0.692	0.427	0.738	0.432
	Right side	0.296		0.590				0.598		0.296	0.886	0.894	0.296	0.296	0.296	0.296
	Top side	0.260	0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.270	0.470	0.597	0.381	0.422	0.391	0.381
	Bottom side									0.000	0.000	0.000	0.000	0.000	0.000	0.000
CDMA BC0_Ant 1	Front	0.503	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.615	0.740	1.033	0.732	0.688	0.787	0.698
	Back	0.488	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.600	0.783	1.067	0.806	0.922	0.995	0.889
	Left side	0.152	0.204		0.336	0.071	0.199	0.575	0.382	0.356	0.152	0.727	0.687	0.422	0.733	0.427
	Right side	0.246		0.590				0.598		0.246	0.836	0.844	0.246	0.246	0.246	0.246
	Top side	0.227	0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.237	0.437	0.564	0.348	0.389	0.358	0.348
	Bottom side									0.000	0.000	0.000	0.000	0.000	0.000	0.000
CDMA BC1_Ant 1	Front	0.708	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.820	0.945	1.238	0.937	0.893	0.992	0.903
	Back	0.783	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.895	1.078	1.362	1.101	1.217	1.290	1.184
	Left side	0.442	0.204		0.336	0.071	0.199	0.575	0.382	0.646	0.442	1.017	0.977	0.712	1.023	0.717
	Right side	0.012		0.590				0.598		0.012	0.602	0.610	0.012	0.012	0.012	0.012
	Top side	0.996	0.010	0.210	0.070	0.111	0.051	0.337	0.080	1.006	1.206	1.333	1.117	1.158	1.127	1.117
	Bottom side									0.000	0.000	0.000	0.000	0.000	0.000	0.000
CDMA BC10_Ant 1	Front	0.511	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.623	0.748	1.041	0.740	0.696	0.795	0.706
	Back	0.511	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.623	0.806	1.090	0.829	0.945	1.018	0.912
	Left side	0.156	0.204		0.336	0.071	0.199	0.575	0.382	0.360	0.156	0.731	0.691	0.426	0.737	0.431
	Right side	0.257		0.590				0.598		0.257	0.847	0.855	0.257	0.257	0.257	0.257
	Top side	0.225	0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.235	0.435	0.562	0.346	0.387	0.356	0.346
	Bottom side									0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE Band 7_Ant 1	Front	0.386	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.498	0.623	0.916	0.615	0.571	0.670	0.581
	Back	0.522	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.634	0.817	1.101	0.840	0.956	1.029	0.923
	Left side	0.302	0.204		0.336	0.071	0.199	0.575	0.382	0.506	0.302	0.877	0.837	0.572	0.883	0.577
	Right side	0.031		0.590				0.598		0.031	0.621	0.629	0.031	0.031	0.031	0.031



**FCC SAR TEST REPORT**

**Report No. : FA8N0616-05A**

	Top side	0.445	0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.455	0.655	0.782	0.566	0.607	0.576	0.566
	Bottom side									0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE Band 12_Ant 1	Front	0.440	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.552	0.677	0.970	0.669	0.625	0.724	0.635
	Back	0.436	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.548	0.731	1.015	0.754	0.870	0.943	0.837
	Left side	0.240	0.204		0.336	0.071	0.199	0.575	0.382	0.444	0.240	0.815	0.775	0.510	0.821	0.515
	Right side	0.152		0.590				0.598		0.152	0.742	0.750	0.152	0.152	0.152	0.152
	Top side	0.129	0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.139	0.339	0.466	0.250	0.291	0.260	0.250
	Bottom side									0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE Band 13_Ant 1	Front	0.588	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.700	0.825	1.118	0.817	0.773	0.872	0.783
	Back	0.583	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.695	0.878	1.162	0.901	1.017	1.090	0.984
	Left side	0.276	0.204		0.336	0.071	0.199	0.575	0.382	0.480	0.276	0.851	0.811	0.546	0.857	0.551
	Right side	0.265		0.590				0.598		0.265	0.855	0.863	0.265	0.265	0.265	0.265
	Top side	0.183	0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.193	0.393	0.520	0.304	0.345	0.314	0.304
	Bottom side									0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE Band 14_Ant 1	Front	0.548	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.660	0.785	1.078	0.777	0.733	0.832	0.743
	Back	0.576	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.688	0.871	1.155	0.894	1.010	1.083	0.977
	Left side	0.250	0.204		0.336	0.071	0.199	0.575	0.382	0.454	0.250	0.825	0.785	0.520	0.831	0.525
	Right side	0.263		0.590				0.598		0.263	0.853	0.861	0.263	0.263	0.263	0.263
	Top side	0.182	0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.192	0.392	0.519	0.303	0.344	0.313	0.303
	Bottom side									0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE Band 25_Ant 1	Front	0.583	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.695	0.820	1.113	0.812	0.768	0.867	0.778
	Back	0.585	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.697	0.880	1.164	0.903	1.019	1.092	0.986
	Left side	0.322	0.204		0.336	0.071	0.199	0.575	0.382	0.526	0.322	0.897	0.857	0.592	0.903	0.597
	Right side	0.007		0.590				0.598		0.007	0.597	0.605	0.007	0.007	0.007	0.007
	Top side	0.928	0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.938	1.138	1.265	1.049	1.090	1.059	1.049
	Bottom side									0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE Band 26_Ant 1	Front	0.550	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.662	0.787	1.080	0.779	0.735	0.834	0.745
	Back	0.532	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.644	0.827	1.111	0.850	0.966	1.039	0.933
	Left side	0.198	0.204		0.336	0.071	0.199	0.575	0.382	0.402	0.198	0.773	0.733	0.468	0.779	0.473
	Right side	0.310		0.590				0.598		0.310	0.900	0.908	0.310	0.310	0.310	0.310
	Top side	0.269	0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.279	0.479	0.606	0.390	0.431	0.400	0.390
	Bottom side									0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE Band 30_Ant 1	Front	0.604	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.716	0.841	1.134	0.833	0.789	0.888	0.799
	Back	0.740	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.852	1.035	1.319	1.058	1.174	1.247	1.141
	Left side	0.495	0.204		0.336	0.071	0.199	0.575	0.382	0.699	0.495	1.070	1.030	0.765	1.076	0.770
	Right side	0.011		0.590				0.598		0.011	0.601	0.609	0.011	0.011	0.011	0.011
	Top side	0.930	0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.940	1.140	1.267	1.051	1.092	1.061	1.051
	Bottom side									0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE Band 41_Ant 1	Front	0.234	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.346	0.471	0.764	0.463	0.419	0.518	0.429
	Back	0.353	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.465	0.648	0.932	0.671	0.787	0.860	0.754
	Left side	0.224	0.204		0.336	0.071	0.199	0.575	0.382	0.428	0.224	0.799	0.759	0.494	0.805	0.499
	Right side	0.012		0.590				0.598		0.012	0.602	0.610	0.012	0.012	0.012	0.012
	Top side	0.124	0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.134	0.334	0.461	0.245	0.286	0.255	0.245
	Bottom side									0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE Band 66_Ant 1	Front	0.343	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.455	0.580	0.873	0.572	0.528	0.627	0.538
	Back	0.367	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.479	0.662	0.946	0.685	0.801	0.874	0.768
	Left side	0.163	0.204		0.336	0.071	0.199	0.575	0.382	0.367	0.163	0.738	0.698	0.433	0.744	0.438
	Right side	0.006		0.590				0.598		0.006	0.596	0.604	0.006	0.006	0.006	0.006
	Top side	0.823	0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.833	1.033	1.160	0.944	0.985	0.954	0.944
	Bottom side									0.000	0.000	0.000	0.000	0.000	0.000	0.000
LTE Band 71_Ant 1	Front	0.274	0.112	0.237	0.127	0.083	0.102	0.530	0.182	0.386	0.511	0.804	0.503	0.459	0.558	0.469
	Back	0.280	0.112	0.295	0.173	0.289	0.145	0.579	0.362	0.392	0.575	0.859	0.598	0.714	0.787	0.681
	Left side	0.162	0.204		0.336	0.071	0.199	0.575	0.382	0.366	0.162	0.737	0.697	0.432	0.743	0.437
	Right side	0.084		0.590				0.598		0.084	0.674	0.682	0.084	0.084	0.084	0.084
	Top side	0.107	0.010	0.210	0.070	0.111	0.051	0.337	0.080	0.117	0.317	0.444	0.228	0.269	0.238	0.228
	Bottom side									0.000	0.000	0.000	0.000	0.000	0.000	0.000



**16.3 Body-Worn Accessory Exposure Conditions**

**<Standalone>**

Exposure Position	2	3	4	5	6	2+3 Summed 1g SAR (W/kg)	2+5 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 3 1g SAR (W/kg)	5GHz WLAN Ant 2 1g SAR (W/kg)	5GHz WLAN Ant 5 1g SAR (W/kg)	Bluetooth Ant 2 1g SAR (W/kg)			
Front	0.523	0.805	0.469	0.175	0.115	1.328	0.698	0.759
Back	0.573	0.891	0.586	0.610	0.162	1.464	1.183	1.358

**<Simultaneous Transmission is active>**

**<WWAN 0a/0b antennas>**

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	1+2 Summed 1g SAR (W/kg)	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 3 1g SAR (W/kg)	5GHz WLAN Ant 2 1g SAR (W/kg)	5GHz WLAN Ant 5 1g SAR (W/kg)	Bluetooth Ant 2 1g SAR (W/kg)	2.4GHz WLAN Ant 2+3 1g SAR (W/kg)	5GHz WLAN Ant 2+5 1g SAR (W/kg)							
GSM850_Ant 0A	Front	0.684	0.112	0.237	0.173	0.083	0.102	0.530	0.187	0.796	0.921	1.214	0.959	0.869	0.973	0.879
	Back	0.936	0.112	0.419	0.351	0.289	0.145	0.579	0.399	1.048	1.355	1.515	1.432	1.370	1.480	1.337
GSM1900_Ant 0b	Front	0.929	0.112	0.237	0.173	0.083	0.102	0.530	0.187	1.041	1.166	1.459	1.204	1.114	1.218	1.124
	Back	0.691	0.112	0.419	0.351	0.289	0.145	0.579	0.399	0.803	1.110	1.270	1.187	1.125	1.235	1.092
WCDMA II_Ant 0b	Front	0.891	0.112	0.237	0.173	0.083	0.102	0.530	0.187	1.003	1.128	1.421	1.166	1.076	1.180	1.086
	Back	0.861	0.112	0.419	0.351	0.289	0.145	0.579	0.399	0.973	1.280	1.440	1.357	1.295	1.405	1.262
WCDMA IV_Ant 0b	Front	0.727	0.112	0.237	0.173	0.083	0.102	0.530	0.187	0.839	0.964	1.257	1.002	0.912	1.016	0.922
	Back	0.862	0.112	0.419	0.351	0.289	0.145	0.579	0.399	0.974	1.281	1.441	1.358	1.296	1.406	1.263
WCDMA V_Ant 0A	Front	0.505	0.112	0.237	0.173	0.083	0.102	0.530	0.187	0.617	0.742	1.035	0.780	0.690	0.794	0.700
	Back	0.650	0.112	0.419	0.351	0.289	0.145	0.579	0.399	0.762	1.069	1.229	1.146	1.084	1.194	1.051
CDMA BC0_Ant 0A	Front	0.481	0.112	0.237	0.173	0.083	0.102	0.530	0.187	0.593	0.718	1.011	0.756	0.666	0.770	0.676
	Back	0.668	0.112	0.419	0.351	0.289	0.145	0.579	0.399	0.780	1.087	1.247	1.164	1.102	1.212	1.069
CDMA BC1_Ant 0b	Front	0.792	0.112	0.237	0.173	0.083	0.102	0.530	0.187	0.904	1.029	1.322	1.067	0.977	1.081	0.987
	Back	0.680	0.112	0.419	0.351	0.289	0.145	0.579	0.399	0.792	1.099	1.259	1.176	1.114	1.224	1.081
CDMA BC10_Ant 0A	Front	0.408	0.112	0.237	0.173	0.083	0.102	0.530	0.187	0.520	0.645	0.938	0.683	0.593	0.697	0.603
	Back	0.611	0.112	0.419	0.351	0.289	0.145	0.579	0.399	0.723	1.030	1.190	1.107	1.045	1.155	1.012
LTE Band 7_Ant 0b	Front	0.469	0.112	0.237	0.173	0.083	0.102	0.530	0.187	0.581	0.706	0.999	0.744	0.654	0.758	0.664
	Back	0.947	0.112	0.419	0.351	0.289	0.145	0.579	0.399	1.059	1.366	1.526	1.443	1.381	1.491	1.348
LTE Band 12_Ant 0A	Front	0.309	0.112	0.237	0.173	0.083	0.102	0.530	0.187	0.421	0.546	0.839	0.584	0.494	0.598	0.504
	Back	0.311	0.112	0.419	0.351	0.289	0.145	0.579	0.399	0.423	0.730	0.890	0.807	0.745	0.855	0.712
LTE Band 13_Ant 0A	Front	0.387	0.112	0.237	0.173	0.083	0.102	0.530	0.187	0.499	0.624	0.917	0.662	0.572	0.676	0.582
	Back	0.516	0.112	0.419	0.351	0.289	0.145	0.579	0.399	0.628	0.935	1.095	1.012	0.950	1.060	0.917
LTE Band 14_Ant 0A	Front	0.392	0.112	0.237	0.173	0.083	0.102	0.530	0.187	0.504	0.629	0.922	0.667	0.577	0.681	0.587
	Back	0.520	0.112	0.419	0.351	0.289	0.145	0.579	0.399	0.632	0.939	1.099	1.016	0.954	1.064	0.921
LTE Band 25_Ant 0b	Front	0.908	0.112	0.237	0.173	0.083	0.102	0.530	0.187	1.020	1.145	1.438	1.183	1.093	1.197	1.103
	Back	1.000	0.112	0.419	0.351	0.289	0.145	0.579	0.399	1.112	1.419	1.579	1.496	1.434	1.544	1.401
LTE Band 26_Ant 0A	Front	0.490	0.112	0.237	0.173	0.083	0.102	0.530	0.187	0.602	0.727	1.020	0.765	0.675	0.779	0.685
	Back	0.628	0.112	0.419	0.351	0.289	0.145	0.579	0.399	0.740	1.047	1.207	1.124	1.062	1.172	1.029
LTE Band 30_Ant 0b	Front	0.626	0.112	0.237	0.173	0.083	0.102	0.530	0.187	0.738	0.863	1.156	0.901	0.811	0.915	0.821
	Back	0.933	0.112	0.419	0.351	0.289	0.145	0.579	0.399	1.045	1.352	1.512	1.429	1.367	1.477	1.334
LTE Band 41_Ant 0b	Front	0.361	0.112	0.237	0.173	0.083	0.102	0.530	0.187	0.473	0.598	0.891	0.636	0.546	0.650	0.556
	Back	0.999	0.112	0.419	0.351	0.289	0.145	0.579	0.399	1.111	1.418	1.578	1.495	1.433	1.543	1.400
LTE Band 48_Ant 0b	Front	0.188	0.112	0.237	0.173	0.083	0.102	0.530	0.187	0.300	0.425	0.718	0.463	0.373	0.477	0.383
	Back	0.281	0.112	0.419	0.351	0.289	0.145	0.579	0.399	0.393	0.700	0.860	0.777	0.715	0.825	0.682
LTE Band 66_Ant 0b	Front	0.643	0.112	0.237	0.173	0.083	0.102	0.530	0.187	0.755	0.880	1.173	0.918	0.828	0.932	0.838
	Back	0.776	0.112	0.419	0.351	0.289	0.145	0.579	0.399	0.888	1.195	1.355	1.272	1.210	1.320	1.177
LTE Band 71_Ant 0A	Front	0.282	0.112	0.237	0.173	0.083	0.102	0.530	0.187	0.394	0.519	0.812	0.557	0.467	0.571	0.477
	Back	0.312	0.112	0.419	0.351	0.289	0.145	0.579	0.399	0.424	0.731	0.891	0.808	0.746	0.856	0.713





**<WWAN 0c antenna>**

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	1+2 Summed 1g SAR (W/kg)	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 3	5GHz WLAN Ant 2	5GHz WLAN Ant 5	Bluetooth Ant 2	2.4GHz WLAN Ant 2+3	5GHz WLAN Ant 2+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)							
GSM1900_Ant 0c	Front	0.643	0.112	0.237	0.173	0.083	0.102	0.530	0.187	<b>0.755</b>	<b>0.880</b>	<b>1.173</b>	<b>0.918</b>	<b>0.828</b>	<b>0.932</b>	<b>0.838</b>
	Back	0.999	0.112	0.419	0.351	0.289	0.145	0.579	0.399	<b>1.111</b>	<b>1.418</b>	<b>1.578</b>	<b>1.495</b>	<b>1.433</b>	<b>1.543</b>	<b>1.400</b>
WCDMA II_Ant 0c	Front	0.542	0.112	0.237	0.173	0.083	0.102	0.530	0.187	<b>0.654</b>	<b>0.779</b>	<b>1.072</b>	<b>0.817</b>	<b>0.727</b>	<b>0.831</b>	<b>0.737</b>
	Back	0.989	0.112	0.419	0.351	0.289	0.145	0.579	0.399	<b>1.101</b>	<b>1.408</b>	<b>1.568</b>	<b>1.485</b>	<b>1.423</b>	<b>1.533</b>	<b>1.390</b>
WCDMA IV_Ant 0c	Front	0.582	0.112	0.237	0.173	0.083	0.102	0.530	0.187	<b>0.694</b>	<b>0.819</b>	<b>1.112</b>	<b>0.857</b>	<b>0.767</b>	<b>0.871</b>	<b>0.777</b>
	Back	1.000	0.112	0.419	0.351	0.289	0.145	0.579	0.399	<b>1.112</b>	<b>1.419</b>	<b>1.579</b>	<b>1.496</b>	<b>1.434</b>	<b>1.544</b>	<b>1.401</b>
LTE Band 25_Ant 0c	Front	0.444	0.112	0.237	0.173	0.083	0.102	0.530	0.187	<b>0.556</b>	<b>0.681</b>	<b>0.974</b>	<b>0.719</b>	<b>0.629</b>	<b>0.733</b>	<b>0.639</b>
	Back	0.498	0.112	0.419	0.351	0.289	0.145	0.579	0.399	<b>0.610</b>	<b>0.917</b>	<b>1.077</b>	<b>0.994</b>	<b>0.932</b>	<b>1.042</b>	<b>0.899</b>
LTE Band 30_Ant 0c	Front	0.596	0.112	0.237	0.173	0.083	0.102	0.530	0.187	<b>0.708</b>	<b>0.833</b>	<b>1.126</b>	<b>0.871</b>	<b>0.781</b>	<b>0.885</b>	<b>0.791</b>
	Back	0.929	0.112	0.419	0.351	0.289	0.145	0.579	0.399	<b>1.041</b>	<b>1.348</b>	<b>1.508</b>	<b>1.425</b>	<b>1.363</b>	<b>1.473</b>	<b>1.330</b>
LTE Band 41_Ant 0c	Front	0.419	0.112	0.237	0.173	0.083	0.102	0.530	0.187	<b>0.531</b>	<b>0.656</b>	<b>0.949</b>	<b>0.694</b>	<b>0.604</b>	<b>0.708</b>	<b>0.614</b>
	Back	0.482	0.112	0.419	0.351	0.289	0.145	0.579	0.399	<b>0.594</b>	<b>0.901</b>	<b>1.061</b>	<b>0.978</b>	<b>0.916</b>	<b>1.026</b>	<b>0.883</b>
LTE Band 48_Ant 0c	Front	0.190	0.112	0.237	0.173	0.083	0.102	0.530	0.187	<b>0.302</b>	<b>0.427</b>	<b>0.720</b>	<b>0.465</b>	<b>0.375</b>	<b>0.479</b>	<b>0.385</b>
	Back	0.464	0.112	0.419	0.351	0.289	0.145	0.579	0.399	<b>0.576</b>	<b>0.883</b>	<b>1.043</b>	<b>0.960</b>	<b>0.898</b>	<b>1.008</b>	<b>0.865</b>
LTE Band 66_Ant 0c	Front	0.306	0.112	0.237	0.173	0.083	0.102	0.530	0.187	<b>0.418</b>	<b>0.543</b>	<b>0.836</b>	<b>0.581</b>	<b>0.491</b>	<b>0.595</b>	<b>0.501</b>
	Back	0.564	0.112	0.419	0.351	0.289	0.145	0.579	0.399	<b>0.676</b>	<b>0.983</b>	<b>1.143</b>	<b>1.060</b>	<b>0.998</b>	<b>1.108</b>	<b>0.965</b>



**<WWAN Ant 1 antenna>**

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	1+2 Summed 1g SAR (W/kg)	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 3 1g SAR (W/kg)	5GHz WLAN Ant 2 1g SAR (W/kg)	5GHz WLAN Ant 5 1g SAR (W/kg)	Bluetooth Ant 2 1g SAR (W/kg)	2.4GHz WLAN Ant 2+3 1g SAR (W/kg)	5GHz WLAN Ant 2+5 1g SAR (W/kg)							
GSM850_Ant 1	Front	0.595	0.112	0.237	0.173	0.083	0.102	0.530	0.187	<b>0.707</b>	<b>0.832</b>	<b>1.125</b>	<b>0.870</b>	<b>0.780</b>	<b>0.884</b>	<b>0.790</b>
	Back	0.662	0.112	0.419	0.351	0.289	0.145	0.579	0.399	<b>0.774</b>	<b>1.081</b>	<b>1.241</b>	<b>1.158</b>	<b>1.096</b>	<b>1.206</b>	<b>1.063</b>
GSM1900_Ant 1	Front	0.523	0.112	0.237	0.173	0.083	0.102	0.530	0.187	<b>0.635</b>	<b>0.760</b>	<b>1.053</b>	<b>0.798</b>	<b>0.708</b>	<b>0.812</b>	<b>0.718</b>
	Back	0.770	0.112	0.419	0.351	0.289	0.145	0.579	0.399	<b>0.882</b>	<b>1.189</b>	<b>1.349</b>	<b>1.266</b>	<b>1.204</b>	<b>1.314</b>	<b>1.171</b>
WCDMA II_Ant 1	Front	0.586	0.112	0.237	0.173	0.083	0.102	0.530	0.187	<b>0.698</b>	<b>0.823</b>	<b>1.116</b>	<b>0.861</b>	<b>0.771</b>	<b>0.875</b>	<b>0.781</b>
	Back	0.785	0.112	0.419	0.351	0.289	0.145	0.579	0.399	<b>0.897</b>	<b>1.204</b>	<b>1.364</b>	<b>1.281</b>	<b>1.219</b>	<b>1.329</b>	<b>1.186</b>
WCDMA IV_Ant 1	Front	0.371	0.112	0.237	0.173	0.083	0.102	0.530	0.187	<b>0.483</b>	<b>0.608</b>	<b>0.901</b>	<b>0.646</b>	<b>0.556</b>	<b>0.660</b>	<b>0.566</b>
	Back	0.575	0.112	0.419	0.351	0.289	0.145	0.579	0.399	<b>0.687</b>	<b>0.994</b>	<b>1.154</b>	<b>1.071</b>	<b>1.009</b>	<b>1.119</b>	<b>0.976</b>
WCDMA V_Ant 1	Front	0.583	0.112	0.237	0.173	0.083	0.102	0.530	0.187	<b>0.695</b>	<b>0.820</b>	<b>1.113</b>	<b>0.858</b>	<b>0.768</b>	<b>0.872</b>	<b>0.778</b>
	Back	0.576	0.112	0.419	0.351	0.289	0.145	0.579	0.399	<b>0.688</b>	<b>0.995</b>	<b>1.155</b>	<b>1.072</b>	<b>1.010</b>	<b>1.120</b>	<b>0.977</b>
CDMA BC0_Ant 1	Front	0.472	0.112	0.237	0.173	0.083	0.102	0.530	0.187	<b>0.584</b>	<b>0.709</b>	<b>1.002</b>	<b>0.747</b>	<b>0.657</b>	<b>0.761</b>	<b>0.667</b>
	Back	0.504	0.112	0.419	0.351	0.289	0.145	0.579	0.399	<b>0.616</b>	<b>0.923</b>	<b>1.083</b>	<b>1.000</b>	<b>0.938</b>	<b>1.048</b>	<b>0.905</b>
CDMA BC1_Ant 1	Front	0.647	0.112	0.237	0.173	0.083	0.102	0.530	0.187	<b>0.759</b>	<b>0.884</b>	<b>1.177</b>	<b>0.922</b>	<b>0.832</b>	<b>0.936</b>	<b>0.842</b>
	Back	0.907	0.112	0.419	0.351	0.289	0.145	0.579	0.399	<b>1.019</b>	<b>1.326</b>	<b>1.486</b>	<b>1.403</b>	<b>1.341</b>	<b>1.451</b>	<b>1.308</b>
CDMA BC10_Ant 1	Front	0.509	0.112	0.237	0.173	0.083	0.102	0.530	0.187	<b>0.621</b>	<b>0.746</b>	<b>1.039</b>	<b>0.784</b>	<b>0.694</b>	<b>0.798</b>	<b>0.704</b>
	Back	0.508	0.112	0.419	0.351	0.289	0.145	0.579	0.399	<b>0.620</b>	<b>0.927</b>	<b>1.087</b>	<b>1.004</b>	<b>0.942</b>	<b>1.052</b>	<b>0.909</b>
LTE Band 7_Ant 1	Front	0.386	0.112	0.237	0.173	0.083	0.102	0.530	0.187	<b>0.498</b>	<b>0.623</b>	<b>0.916</b>	<b>0.661</b>	<b>0.571</b>	<b>0.675</b>	<b>0.581</b>
	Back	0.522	0.112	0.419	0.351	0.289	0.145	0.579	0.399	<b>0.634</b>	<b>0.941</b>	<b>1.101</b>	<b>1.018</b>	<b>0.956</b>	<b>1.066</b>	<b>0.923</b>
LTE Band 12_Ant 1	Front	0.440	0.112	0.237	0.173	0.083	0.102	0.530	0.187	<b>0.552</b>	<b>0.677</b>	<b>0.970</b>	<b>0.715</b>	<b>0.625</b>	<b>0.729</b>	<b>0.635</b>
	Back	0.436	0.112	0.419	0.351	0.289	0.145	0.579	0.399	<b>0.548</b>	<b>0.855</b>	<b>1.015</b>	<b>0.932</b>	<b>0.870</b>	<b>0.980</b>	<b>0.837</b>
LTE Band 13_Ant 1	Front	0.588	0.112	0.237	0.173	0.083	0.102	0.530	0.187	<b>0.700</b>	<b>0.825</b>	<b>1.118</b>	<b>0.863</b>	<b>0.773</b>	<b>0.877</b>	<b>0.783</b>
	Back	0.583	0.112	0.419	0.351	0.289	0.145	0.579	0.399	<b>0.695</b>	<b>1.002</b>	<b>1.162</b>	<b>1.079</b>	<b>1.017</b>	<b>1.127</b>	<b>0.984</b>
LTE Band 14_Ant 1	Front	0.548	0.112	0.237	0.173	0.083	0.102	0.530	0.187	<b>0.660</b>	<b>0.785</b>	<b>1.078</b>	<b>0.823</b>	<b>0.733</b>	<b>0.837</b>	<b>0.743</b>
	Back	0.576	0.112	0.419	0.351	0.289	0.145	0.579	0.399	<b>0.688</b>	<b>0.995</b>	<b>1.155</b>	<b>1.072</b>	<b>1.010</b>	<b>1.120</b>	<b>0.977</b>
LTE Band 25_Ant 1	Front	0.583	0.112	0.237	0.173	0.083	0.102	0.530	0.187	<b>0.695</b>	<b>0.820</b>	<b>1.113</b>	<b>0.858</b>	<b>0.768</b>	<b>0.872</b>	<b>0.778</b>
	Back	0.739	0.112	0.419	0.351	0.289	0.145	0.579	0.399	<b>0.851</b>	<b>1.158</b>	<b>1.318</b>	<b>1.235</b>	<b>1.173</b>	<b>1.283</b>	<b>1.140</b>
LTE Band 26_Ant 1	Front	0.550	0.112	0.237	0.173	0.083	0.102	0.530	0.187	<b>0.662</b>	<b>0.787</b>	<b>1.080</b>	<b>0.825</b>	<b>0.735</b>	<b>0.839</b>	<b>0.745</b>
	Back	0.532	0.112	0.419	0.351	0.289	0.145	0.579	0.399	<b>0.644</b>	<b>0.951</b>	<b>1.111</b>	<b>1.028</b>	<b>0.966</b>	<b>1.076</b>	<b>0.933</b>
LTE Band 30_Ant 1	Front	0.604	0.112	0.237	0.173	0.083	0.102	0.530	0.187	<b>0.716</b>	<b>0.841</b>	<b>1.134</b>	<b>0.879</b>	<b>0.789</b>	<b>0.893</b>	<b>0.799</b>
	Back	0.740	0.112	0.419	0.351	0.289	0.145	0.579	0.399	<b>0.852</b>	<b>1.159</b>	<b>1.319</b>	<b>1.236</b>	<b>1.174</b>	<b>1.284</b>	<b>1.141</b>
LTE Band 41_Ant 1	Front	0.234	0.112	0.237	0.173	0.083	0.102	0.530	0.187	<b>0.346</b>	<b>0.471</b>	<b>0.764</b>	<b>0.509</b>	<b>0.419</b>	<b>0.523</b>	<b>0.429</b>
	Back	0.353	0.112	0.419	0.351	0.289	0.145	0.579	0.399	<b>0.465</b>	<b>0.772</b>	<b>0.932</b>	<b>0.849</b>	<b>0.787</b>	<b>0.897</b>	<b>0.754</b>
LTE Band 66_Ant 1	Front	0.343	0.112	0.237	0.173	0.083	0.102	0.530	0.187	<b>0.455</b>	<b>0.580</b>	<b>0.873</b>	<b>0.618</b>	<b>0.528</b>	<b>0.632</b>	<b>0.538</b>
	Back	0.611	0.112	0.419	0.351	0.289	0.145	0.579	0.399	<b>0.723</b>	<b>1.030</b>	<b>1.190</b>	<b>1.107</b>	<b>1.045</b>	<b>1.155</b>	<b>1.012</b>
LTE Band 71_Ant 1	Front	0.274	0.112	0.237	0.173	0.083	0.102	0.530	0.187	<b>0.386</b>	<b>0.511</b>	<b>0.804</b>	<b>0.549</b>	<b>0.459</b>	<b>0.563</b>	<b>0.469</b>
	Back	0.280	0.112	0.419	0.351	0.289	0.145	0.579	0.399	<b>0.392</b>	<b>0.699</b>	<b>0.859</b>	<b>0.776</b>	<b>0.714</b>	<b>0.824</b>	<b>0.681</b>



## **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 2/4/5/7/12/13/14/17/25/26/30/38/41/48/66/71. 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  $> 1.2 \text{ W/kg}$  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 0a Tuner SAR results>

Head																	
Band	Mode	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	18	36	54	72	90	108	126
GSM850	GPRS	836.4	189	N/A	N/A	Left Cheek	0 mm	0.418	0.506	0.457	0.289	0.391	0.161	0.217	0.343	0.413	0.324
Band	Mode	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	19	37	55	73	91	109	127
WCDMA B5	RMC12.2Kbps	836.4	4182	N/A	N/A	Left Cheek	0 mm	0.424	0.515	0.446	0.507	0.506	0.504	0.467	0.493	0.501	0.492
Band	Mode	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	20	38	56	74	92	110	128
CDMA BC0	RC3 SO55	836.52	384	N/A	N/A	Left Cheek	0 mm	0.416	0.502	0.284	0.459	0.490	0.463	0.454	0.475	0.384	0.499
Band	Mode	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	21	39	57	75	93	111	129
CDMA BC10	RC3 SO55	820.5	580	N/A	N/A	Left Cheek	0 mm	0.351	0.421	0.417	0.375	0.407	0.375	0.292	0.299	0.419	0.295
Band	Mode	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	22	40	58	76	94	112	130
LTE Band 12	QPSK	707.5	23095	1	25	Left Cheek	0 mm	0.249	0.294	0.281	0.162	0.014	0.128	0.061	0.234	0.001	0.205
Band	Mode	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	23	41	59	77	95	113	131
LTE Band 13	QPSK	782	23230	1	25	Left Cheek	0 mm	0.329	0.391	0.374	0.288	0.036	0.272	0.354	0.253	0.029	0.236
Band	Mode	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	24	42	60	78	96	114	132
LTE Band 14	QPSK	793	23330	1	0	Left Cheek	0 mm	0.345	0.411	0.396	0.385	0.227	0.397	0.278	0.112	0.380	0.357
Band	Mode	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	25	43	61	79	97	115	133
LTE Band 26	QPSK	831.5	26865	1	0	Left Cheek	0 mm	0.365	0.441	0.427	0.345	0.095	0.326	0.340	0.036	0.139	0.151
Band	Mode	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	26	44	62	80	98	116	134
LTE Band 71	QPSK	680.5	133297	1	0	Left Cheek	0 mm	0.204	0.24	0.153	0.238	0.233	0.238	0.174	0.231	0.188	0.219
Body																	
Band	Mode	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	27	45	63	81	99	117	135
GSM850	GPRS	836.4	189	N/A	N/A	Back	10mm	0.73	1.047	0.329	1.016	0.662	0.891	0.152	0.255	0.202	0.439
Band	Mode	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	28	46	64	82	100	118	136
WCDMA B5	RMC12.2Kbps	836.4	4182	N/A	N/A	Left Side	10 mm	0.693	0.933	0.167	0.717	0.290	0.642	0.087	0.146	0.658	0.314
Band	Mode	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	29	47	65	83	101	119	137
CDMA BC0	RC3 SO32	848.31	777	N/A	N/A	Left Side	10 mm	0.74	0.998	0.205	0.731	0.330	0.668	0.138	0.199	0.787	0.502
Band	Mode	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	30	48	66	84	102	120	138
CDMA BC10	RC3 SO32	820.5	580	N/A	N/A	Left Side	10 mm	0.65	0.871	0.623	0.869	0.729	0.866	0.723	0.860	0.844	0.768
Band	Mode	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	31	49	67	85	103	121	139
LTE Band 12	QPSK	707.5	23095	1	25	Left Side	10 mm	0.366	0.488	0.170	0.409	0.230	0.386	0.185	0.209	0.404	0.314
Band	Mode	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	32	50	68	86	104	122	140
LTE Band 13	QPSK	782	23230	1	25	Left Side	10 mm	0.634	0.853	0.811	0.834	0.839	0.788	0.829	0.841	0.739	0.824
Band	Mode	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	33	51	69	87	105	123	141
LTE Band 14	QPSK	793	23330	1	0	Left Side	10 mm	0.743	0.988	0.978	0.929	0.977	0.924	0.894	0.844	0.780	0.825
Band	Mode	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	34	52	70	88	106	124	142
LTE Band 26	QPSK	831.5	26865	1	0	Left Side	10 mm	0.706	0.882	0.718	0.430	0.729	0.430	0.603	0.348	0.599	0.347
Band	Mode	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	35	53	71	89	107	125	143
LTE Band 71	QPSK	680.5	133297	1	0	Left Side	10 mm	0.313	0.422	0.407	0.387	0.339	0.357	0.168	0.117	0.203	0.113



<Ant 0b Tuner SAR results>

Head																	
Band	Mode	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	20	40	60	80	100	120	140
GSM1900	4 Tx slots	1880	661	N/A	N/A	Right Cheek	0 mm	0.31	0.402	0.071	0.264	0.361	0.327	0.094	0.072	0.042	0.039
Band	Mode	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	21	41	61	81	101	121	141
WCDMA B2	RMC12.2Kbps	1907.6	9538	N/A	N/A	Right Cheek	0 mm	0.487	0.675	0.466	0.547	0.551	0.495	0.151	0.159	0.087	0.078
Band	Mode	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	22	42	62	82	102	122	142
WCDMA B4	RMC12.2Kbps	1752.6	1513	N/A	N/A	Left Cheek	0 mm	0.359	0.443	0.146	0.372	0.439	0.027	0.019	0.103	0.118	0.052
Band	Mode	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	23	43	63	83	103	123	143
CDMA BC1	RC3 SO55	1880	600	N/A	N/A	Right Cheek	0 mm	0.377	0.522	0.465	0.485	0.329	0.287	0.375	0.212	0.392	0.355
Band	Mode	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	24	44	64	84	104	124	
LTE Band 7	QPSK	2560	21350	1	99	Right Cheek	0 mm	0.818	0.922	0.931	0.906	0.8724	0.828	0.351	0.358	0.304	
Band	Mode	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	25	45	65	85	105	125	
LTE Band 25	QPSK	1860	26140	1	0	Right Cheek	0 mm	0.42	0.446	0.391	0.23	0.346	0.346	0.064	0.045	0.051	
Band	Mode	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	26	46	66	86	106	126	
LTE Band 30	QPSK	2310	27710	1	0	Right Cheek	0 mm	0.172	0.233	0.18242	0.161	0.1148	0.1484	0.0308	0.0406	0.0294	
Band	Mode	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	27	47	67	87	107	127	
LTE Band 41	QPSK	2680	41490	1	99	Right Cheek	0 mm	0.694	0.826	0.686	0.683	0.657	0.591	0.263	0.249	0.355	
Band	Mode	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	28	48	68	88	108	128	
LTE Band 48	QPSK	3560	55340	1	0	Right Cheek	0 mm	0.218	0.346	0.335	0.326	0.326	0.301	0.344	0.056	0.128	
Band	Mode	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	29	49	69	89	109	129	
LTE Band 66	QPSK	1720	132072	1	0	Right Cheek	0 mm	0.369	0.484	0.0747	0.201	0.231	0.122	0.112	0.006	0.016	
Body																	
Band	Mode	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	30	50	70	90	110	130	
GSM1900	4 Tx slots	1909.8	810	N/A	N/A	Front	10mm	0.652	0.848	0.539	0.343	0.335	0.299	0.043	0.128	0.169	
Band	Mode	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	31	51	71	91	111	131	
WCDMA B2	RMC12.2Kbps	1907.6	9538	N/A	N/A	Bottom Side	10mm	1	1.42	1.018	0.515	0.55	0.685	0.129	0.33	0.424	
Additional Verify of 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
0.916	1.06	1.031	1.151	0.275	0.456	0.199	1.104	0.38	0.361	0.875	1.018	0.723	0.504	0.57	0.989	0.704	0.713
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
0.723	0.78	0.237	0.256	0.913	0.523	0.77	0.208	1.085	1.208	0.799	0.637	0.066	0.515	0.37	1.361	1.294	1.332
36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53
0.742	1.047	0.656	0.104	0.561	0.637	0.094	0.808	0.932	1.17	1.256	1.066	0.666	0.666	0.913	0.55	0.599	0.666
54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
0.38	0.599	0.304	0.885	0.218	1.123	0.132	0.732	0.437	1.142	0.189	0.704	0.732	0.808	0.294	0.789	0.685	0.685
72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89
0.18	0.589	0.247	0.58	0.751	0.732	0.875	0.342	0.085	0.342	0.218	0.256	0.418	0.151	1.17	0.494	1.266	1.418
90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107
0.913	0.129	1.389	0.361	0.208	1.056	1.275	1.418	1.218	0.57	0.266	0.932	0.904	0.132	0.247	0.323	1.161	1.361
108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
0.494	1.294	0.37	0.33	1.066	0.523	0.637	0.494	1.342	0.361	0.856	0.428	1.294	1.361	0.904	0.456	0.17	0.77
126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143
0.894	0.323	1.18	0.285	0.98	0.424	0.628	0.151	0.104	0.285	0.437	0.199	1.208	0.466	0.78	0.656	1.123	0.066
Band	Mode	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	32	52	72	92	112	132	
WCDMA B4	RMC12.2Kbps	1752.6	1513	N/A	N/A	Back	10 mm	0.852	1.091	0.515	0.493	0.269	0.01	0.044	0.106	0.225	
Band	Mode	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	33	53	73	93	113	133	
CDMA BC1	RC3 SO32	1908.75	1175	N/A	N/A	Bottom Side	10 mm	0.887	1.31	1.22	1.24	1.19	0.777	0.753	1.18	1.15	
Additional Verify of Average Value of Time Sweep (W/kg)																	



# FCC SAR TEST REPORT

Report No. : FA8N0616-05A

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
0.329	1.203	0.803	1.22	0.918	0.527	0.756	0.251	1.184	0.079	0.775	0.451	0.784	1.22	0.746	0.841	0.775	0.689
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
0.479	0.384	0.756	1.165	0.984	0.851	0.575	0.594	1.308	0.298	1.241	0.679	1.127	0.584	1.022	1.24	0.203	0.222
36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53
0.918	0.556	0.518	0.518	1.079	0.994	0.356	0.889	0.737	1.241	0.441	0.775	0.137	0.651	0.384	0.965	0.918	1.19
54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
0.698	0.298	0.641	0.737	0.698	0.118	0.27	0.279	0.984	0.889	1.241	1.165	0.308	1.184	0.232	1.146	0.822	0.879
72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89
0.898	0.777	0.651	0.594	0.803	0.556	0.203	0.175	0.965	0.898	1.003	0.689	1.127	0.527	0.594	1.26	0.66	0.413
90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107
0.956	1.003	0.289	0.753	0.822	0.794	0.832	0.07	1.098	0.746	1.051	0.86	0.27	0.937	0.727	0.918	0.67	0.737
108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
0.594	0.765	0.984	1.013	0.898	1.18	0.898	0.108	0.508	1.156	0.146	1.022	0.47	0.889	0.546	0.803	0.575	1.098
126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143
0.956	0.213	1.222	1.003	0.137	0.356	1.27	1.15	0.975	1.232	1.175	0.908	0.26	0.156	1.013	0.832	0.194	0.975
Band	Mode	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	34	54	74	94	114	134	
LTE Band 7	QPSK	2510	20850	50	50	Back	10 mm	0.932	1.461	1.344	1.399	1.455	0.265	0.37	0.469	0.502	
Additional Verify of 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
0.468	0.869	0.764	1.402	0.764	0.792	1.04	0.297	0.783	0.249	1.278	1.249	0.564	1.173	1.344	1.44	1.107	0.44
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
0.992	1.145	1.459	1.23	0.259	0.583	1.449	1.164	0.754	0.078	1.402	0.859	0.259	1.278	1.269	0.821	1.399	0.488
36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53
0.297	0.354	1.011	0.726	0.84	1.449	0.411	1.383	0.792	0.964	0.973	0.811	0.211	0.583	1.011	1.307	0.926	1.202
54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
1.455	0.773	0.383	1.116	1.078	0.288	0.678	1.03	0.088	1.211	0.116	0.545	0.688	0.069	0.554	1.421	0.573	0.897
72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89
1.049	0.516	0.265	0.411	1.43	1.43	0.078	1.345	0.64	0.269	0.288	0.916	0.878	0.478	1.421	0.745	0.135	0.583
90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107
0.411	0.621	0.849	0.335	0.37	0.726	0.192	0.707	1.202	0.497	0.088	0.507	0.583	0.307	0.63	1.278	1.269	0.278
108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
0.24	1.04	0.697	1.307	0.669	0.783	0.469	1.202	0.888	1.23	0.288	0.507	0.383	0.659	0.859	1.354	0.535	1.43
126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143
1.345	0.373	0.926	0.135	0.249	1.269	0.611	1.221	0.502	0.354	0.535	1.449	0.516	1.154	0.926	0.24	0.288	1.392
Band	Mode	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	35	55	75	95	115	135	
LTE Band 25	QPSK	1860	26140	1	0	Back	10 mm	0.962	1.309	0.419	0.522	1.024	0.211	0.368	0.444	0.163	
Additional Verify of 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
1.02	1.021	0.126	0.202	0.278	0.412	0.793	0.278	0.317	0.564	0.583	0.478	0.993	0.631	0.555	0.419	0.526	1.259
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
0.136	0.536	0.221	0.802	0.393	1.078	0.193	0.136	0.497	0.088	0.631	0.821	1.202	1.174	0.45	1.069	0.745	0.522
36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53
0.878	0.345	0.688	0.536	0.345	0.469	0.193	1.278	1.069	0.64	0.145	1.117	1.012	1.307	0.164	0.85	0.555	1.088
54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
1.078	1.024	0.24	0.412	0.774	0.831	1.031	0.593	0.326	0.669	0.231	0.478	0.174	1.183	0.564	0.612	0.821	0.24
72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89
0.183	0.878	0.774	0.211	0.812	0.974	1.002	0.393	0.678	0.278	0.126	1.126	0.297	0.593	0.288	0.374	0.155	1.164
90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107
0.174	1.155	0.821	0.536	1.021	0.368	1.297	0.583	1.221	0.431	0.164	0.155	0.336	0.231	0.688	0.678	0.155	0.774
108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
0.717	0.574	1.231	0.421	1.24	0.964	0.183	0.444	1.088	0.945	1.088	1.183	0.755	0.907	0.736	0.917	0.64	0.888
126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143
0.84	0.659	0.85	0.183	0.574	0.774	1.297	1.117	0.802	0.163	0.183	1.031	0.745	0.517	0.974	0.221	0.926	0.993
Band	Mode	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	36	56	76	96	116	136	
LTE Band 30	QPSK	2310	27710	50	0	Back	10 mm	0.887	1.419	0.628	0.697	1.194	0.217	0.226	0.241	0.184	
Additional Verify of 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
0.826	0.903	0.979	0.846	0.998	0.236	1.055	0.284	0.55	1.084	0.188	1.15	1.246	0.712	0.979	1.036	0.628	1.217
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
1.246	0.655	0.893	0.236	1.369	0.131	0.855	0.227	0.531	0.569	0.912	0.912	0.627	0.341	0.169	1.169	1.379	0.607



**FCC SAR TEST REPORT**

**Report No. : FA8N0616-05A**

36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53
0.697	1.15	0.179	1.198	0.455	0.855	0.522	0.407	1.112	1.341	0.531	0.693	0.988	1.15	0.655	0.941	0.503	0.131
54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
0.198	1.379	1.194	1.274	0.093	0.265	0.617	1.369	0.684	1.027	1.312	1.331	1.027	0.874	1.265	0.998	0.846	0.284
72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89
1.217	0.722	0.512	1.074	0.217	0.465	0.731	0.541	0.655	0.246	1.293	0.331	0.207	0.531	0.522	1.007	0.246	1.341
90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107
1.207	0.703	1.312	0.855	0.874	0.227	0.226	0.198	0.407	0.855	0.503	0.931	0.312	0.731	0.227	1.065	0.465	1.255
108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
1.274	0.522	0.188	0.246	0.331	1.322	0.455	0.617	0.241	1.036	0.207	0.427	0.188	1.141	0.217	0.665	1.179	0.827
126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143
0.35	1.169	0.188	0.122	1.055	0.884	1.417	0.855	0.398	0.15	0.184	0.988	1.407	1.217	0.693	1.141	0.522	0.531
Band	Mode	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	37	57	77	97	117	137	
LTE Band 41	QPSK	2506	39750	50	50	Back	10 mm	0.893	1.465	1.087	1.386	1.446	0.746	0.718	0.591	0.614	
Additional Verify of 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
1.031	0.168	1.234	0.977	0.349	0.549	0.796	0.311	0.12	0.444	0.101	1.415	0.311	1.273	1.406	0.796	0.72	1.087
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
0.615	0.863	0.596	1.13	1.073	0.568	1.273	1.425	0.511	1.015	0.463	0.177	0.644	0.615	1.396	1.301	0.177	0.092
36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53
0.073	1.386	1.263	1.006	1.073	1.092	1.377	1.015	0.739	0.406	1.358	0.187	0.673	0.444	1.187	0.511	0.949	0.168
54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
0.558	0.511	1.073	1.446	0.825	0.253	0.225	1.453	0.282	1.292	1.263	0.425	0.777	0.834	0.111	1.12	1.092	1.177
72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89
0.577	0.282	1.034	1.311	1.187	0.746	1.101	1.177	0.339	0.758	0.558	0.406	1.006	0.482	0.844	1.349	1.339	1.234
90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107
0.358	0.806	0.415	0.577	0.558	0.825	1.13	0.718	0.453	1.177	1.263	0.101	1.006	1.368	1.301	1.158	1.139	1.377
108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
1.225	1.253	0.387	1.434	1.263	1.158	1.444	1.368	0.368	0.591	1.101	0.177	0.253	0.53	1.177	1.196	0.739	0.853
126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143
1.292	0.93	0.139	1.453	1.168	0.425	0.501	0.482	1.234	1.015	0.644	0.614	0.073	0.12	0.492	0.606	1.206	0.177
Band	Mode	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	18	38	58	78	98	118	138	
LTE Band 48	QPSK	3560	55340	1	49	Right Side	10 mm	0.264	0.501	0.475	0.444	0.422	0.477	0.491	0.162	0.239	
Band	Mode	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)								
									Auto-Tune	19	39	59	79	99	119	139	
LTE Band 66	QPSK	1770	132572	1	0	Back	10 mm	0.973	1.41	1.369	1.092	1.12	0.438	0.087	0.19	0.361	
Additional Verify of 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
1.312	1.179	1.379	1.218	0.513	0.475	0.189	1.141	1.284	0.865	1.113	1.075	1.208	0.713	0.751	1.398	0.998	1.17
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
0.551	1.369	0.732	1.313	0.913	0.627	0.665	0.198	1.246	0.456	0.646	1.408	0.513	0.332	1.17	0.913	0.465	1.008
36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53
1.018	1.341	0.913	1.092	0.798	0.598	1.275	1.322	1.275	1.341	1.256	0.96	1.294	1.075	0.532	0.551	0.694	0.713
54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
0.122	0.094	0.265	0.894	0.894	1.12	0.141	0.656	1.189	1.189	0.579	0.532	0.579	0.503	1.341	0.475	1.132	0.77
72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89
1.17	1.027	1.275	0.284	1.037	0.865	0.532	0.438	0.856	0.513	0.294	0.675	0.798	0.198	0.875	0.341	1.103	0.456
90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107
0.475	0.322	0.722	1.275	1.227	1.275	1.284	1.408	0.713	0.087	0.522	0.075	1.246	1.094	0.57	1.208	1.141	0.179
108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
0.751	0.656	0.941	0.456	0.818	1.046	1.351	1.265	0.875	0.484	0.075	0.19	0.913	1.218	1.284	0.922	0.922	1.284
126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143
1.379	0.884	0.627	0.332	0.97	1.322	0.313	0.122	0.313	1.398	1.132	1.027	1.322	0.361	0.627	1.208	1.208	0.608



<Ant 0c Tuner SAR results>

Head																		
Band	Mode	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	16	32	48	64	80	96	112	128
GSM1900	GPRS (4 Tx slots)	1909.8	810	N/A	N/A	Left Cheek	0 mm	0.248	0.332	0.05	0.266	0.222	0.286	0.084	0.104	0.059	0.046	0.012
Band	Mode	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	17	33	49	65	81	97	113	129
WCDMA B2	RMC12.2K	1907.6	9538	N/A	N/A	Left Cheek	0 mm	0.327	0.451	0.106	0.315	0.225	0.399	0.157	0.034	0.156	0.148	0.061
Band	Mode	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	18	34	50	66	82	98	114	130
WCDMA B4	RMC12.2K	1732.6	1413	N/A	N/A	Left Cheek	0 mm	0.219	0.279	0.11	0.084	0.273	0.181	0.164	0.016	0.042	0.059	0.021
Band	Mode	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	19	35	51	67	83	99	115	131
LTE Band 25	QPSK	1905	26590	1	0	Left Cheek	0 mm	0.578	0.779	0.332	0.294	0.391	0.541	0.531	0.098	0.032	0.331	0.169
Band	Mode	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	20	36	52	68	84	100	116	132
LTE Band 30	QPSK	2310	27710	1	0	Left Cheek	0 mm	0.697	0.807	0.535	0.791	0.403	0.321	0.647	0.197	0.457	0.373	0.522
Band	Mode	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	21	37	53	69	85	101	117	133
LTE Band 41	QPSK	2680	41490	1	99	Left Cheek	0 mm	0.58	0.702	0.492	0.441	0.405	0.471	0.316	0.135	0.144	0.133	0.241
Band	Mode	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	22	38	54	70	86	102	118	134
LTE Band 48	QPSK	3560	55340	1	99	Left Cheek	0 mm	0.073	0.144	0.141	0.092	0.041	0.022	0.032	0.143	0.073	0.058	0.142
Band	Mode	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	23	39	55	71	87	103	119	135
LTE Band 66	QPSK	1770	132572	1	0	Left Cheek	0 mm	0.536	0.729	0.601	0.224	0.386	0.273	0.396	0.392	0.192	0.109	0.041
Body																		
Band	Mode	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	24	40	56	72	88	104	120	136
GSM1900	GPRS	1880	661	N/A	N/A	Back	10mm	0.688	1.05	0.525	0.227	0.383	0.229	0.019	0.7	0.506	0.343	0.042
Band	Mode	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	25	41	57	73	89	105	121	137
WCDMA B2	RMC12.2Kbps	1852.4	9262	N/A	N/A	Back	10mm	0.98	1.19	0.369	0.098	0.325	0.177	0.066	1.062	0.792	0.475	0.097
Band	Mode	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	26	42	58	74	90	106	122	138
WCDMA B4	RMC12.2Kbps	1752.6	1513	N/A	N/A	Back	10 mm	0.989	1.493	0.492	0.098	0.691	0.239	0.125	0.021	1.154	0.292	0.304
Additional Verify of 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
0.653	0.986	0.091	0.615	1.034	1.015	1.424	0.091	0.939	0.634	0.492	0.129	0.158	1.053	0.681	1.167	1.081	0.415	0.605
19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
0.196	1.32	0.501	0.701	0.653	0.386	1.443	0.098	1.196	0.31	0.348	1.139	0.777	1.215	1.205	1.043	1.158	0.986	0.139
38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56
1.348	0.081	0.472	0.462	0.691	0.491	0.977	0.091	1.053	1.243	0.996	0.158	0.92	1.224	1.177	1.053	0.51	1.281	0.177
57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
0.196	0.239	1.12	1.043	0.139	0.634	0.596	0.824	1.186	1.386	0.453	0.596	0.243	0.558	0.367	0.758	0.348	0.125	0.653
76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94
0.358	1.405	0.424	1.101	1.253	0.32	1.377	0.634	1.005	0.815	0.92	0.434	0.567	0.091	0.021	0.52	0.196	1.405	0.51
95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113
1.148	1.11	0.281	1.224	0.301	0.291	0.939	1.434	0.329	1.348	1.186	1.154	1.415	1.443	0.224	1.005	0.12	1.11	0.129
114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132
1.034	0.272	0.129	0.339	1.243	0.71	1.253	0.662	0.292	0.881	0.796	0.548	0.224	1.034	0.596	0.234	0.853	0.367	0.691
133	134	135	136	137	138	139	140	141	142	143								
0.358	0.91	1.462	1.072	1.339	0.304	1.167	1.329	0.624	0.634	1.377								
Band	Mode	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	27	43	59	75	91	107	123	139
LTE Band 25	QPSK	1905	26590	1	0	Left Side	10 mm	0.623	0.911	0.6	0.295	0.509	0.219	0.183	0.049	0.739	0.846	0.547
Band	Mode	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	28	44	60	76	92	108	124	140
LTE Band 30	QPSK	2310	27710	1	0	Left Side	10 mm	0.933	1.18	0.359	0.835	0.804	1	0.708	0.822	0.314	0.156	0.253
Band	Mode	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	29	45	61	77	93	109	125	141
LTE Band 41	QPSK	2680	41490	1	99	Left Side	10 mm	0.849	1.019	0.401	0.661	0.636	0.278	0.414	0.356	0.595	0.266	0.477
Band	Mode	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	30	46	62	78	94	110	126	142
LTE Band 48	QPSK	3560	55340	1	49	Back	10 mm	0.412	0.741	0.694	0.719	0.51	0.083	0.699	0.402	0.596	0.469	0.655
Band	Mode	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	31	47	63	79	95	111	127	143
LTE Band 66	QPSK	1745	132322	1	0	Back	10 mm	0.545	0.718	0.708	0.571	0.359	0.144	0.224	0.117	0.191	0.041	0.439





<Ant 1 Tuner SAR results>

Head													
Band	Mode	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	36	72	108
GSM850	GPRS	824.2	128	N/A	N/A	Right Cheek	0 mm	0.818	1.08	0.977	0.836	0.464	0.883
GSM1900	GPRS	1909.8	810	N/A	N/A	Right Tilted	0 mm	0.807	1.077	0.934	1.06	0.978	1.048
WCDMA B2	RMC12.2Kbps	1880	9400	N/A	N/A	Right Tilted	0 mm	0.847	1.157	0.656	1.13	1.047	0.886
WCDMA B4	RMC12.2Kbps	1752.6	1513	N/A	N/A	Right Tilted	0 mm	0.841	1.12	1.11	1.085	0.777	1.119
WCDMA B5	RMC12.2Kbps	836.4	4182	N/A	N/A	Right Cheek	0 mm	0.891	1.199	1.15	0.06	0.252	0.006
CDMA BC0	RC3 SO55	836.52	384	N/A	N/A	Right Cheek	0 mm	0.799	1.069	1.024	0.101	0.968	0.08
CDMA BC1	RC3 SO55	1880	600	N/A	N/A	Right Tilted	0 mm	0.82	1.119	1.08	0.62	0.757	1.035
CDMA BC10	RC3 SO55	820.5	580	N/A	N/A	Right Cheek	0 mm	0.818	1.049	1.016	0.228	0.809	0.332
LTE Band 7	QPSK	2535	21100	50	50	Right Cheek	0 mm	0.834	1.057	0.678	1.028	0.767	0.828
LTE Band 12	QPSK	707.5	23095	50	0	Right Cheek	0 mm	0.809	1.038	0.327	0.657	0.151	0.201
LTE Band 13	QPSK	782	23230	50	0	Right Cheek	0 mm	0.881	1.136	0.204	0.354	0.106	0.802
LTE Band 14	QPSK	793	23330	25	12	Right Cheek	0 mm	0.895	1.164	0.24	0.386	0.161	0.919
LTE Band 25	QPSK	1860	26140	1	0	Right Tilted	0 mm	0.821	1.13	0.809	0.946	0.938	1.096
LTE Band 26	QPSK	831.5	26865	1	0	Right Cheek	0 mm	0.827	1.057	0.369	0.499	0.402	0.877
LTE Band 30	QPSK	27710	2310	25	0	Right Tilted	0 mm	0.779	1.175	1.118	1.156	1.142	1.019
LTE Band 41	QPSK	2506	39750	1	99	Right Cheek	0 mm	0.795	1.034	1.024	1.023	0.936	0.817
LTE Band 66	QPSK	1770	132572	1	0	Right Cheek	0 mm	0.917	1.254	1.021	1.037	0.858	0.853
Additional Verify of Average Value of Time Sweep (W/kg)													
0	1	2	3	4	5	6	7	8	9	10	11	12	13
1.033	0.395	1.014	0.833	0.928	0.766	0.614	1.042	0.557	1.004	1.071	0.081	1.109	0.671
14	15	16	17	18	19	20	21	22	23	24	25	26	27
0.585	1.204	1.021	0.195	0.985	0.604	1.014	0.519	0.509	0.957	0.738	0.471	1.166	0.7
28	29	30	31	32	33	34	35	36	37	38	39	40	41
1.195	0.29	1.062	0.481	0.09	0.862	0.452	0.89	0.576	0.338	0.481	0.566	1.014	0.814
42	43	44	45	46	47	48	49	50	51	52	53	54	55
0.804	0.081	0.604	1.119	1.128	0.623	1.195	0.823	0.842	0.242	1.037	0.776	0.89	0.147
56	57	58	59	60	61	62	63	64	65	66	67	68	69



**FCC SAR TEST REPORT**

**Report No. : FA8N0616-05A**

1.042	0.776	0.671	0.833	0.357	0.09	1.109	0.547	0.385	1.166	0.366	0.262	0.757	0.719
70	71	72	73	74	75	76	77	78	79	80	81	82	83
0.328	0.738	0.242	0.757	0.576	1.223	0.795	0.29	0.071	0.69	0.128	1.014	1.052	0.204
84	85	86	87	88	89	90	91	92	93	94	95	96	97
0.423	0.814	0.242	0.433	0.858	0.642	0.223	0.442	0.423	0.642	0.347	0.547	0.633	0.671
98	99	100	101	102	103	104	105	106	107	108	109	110	111
1.242	1.157	0.166	0.795	0.919	0.433	0.614	0.109	0.538	0.642	0.319	0.69	1.195	0.957
112	113	114	115	116	117	118	119	120	121	122	123	124	125
0.404	0.452	1.09	1.109	1.214	0.49	1.252	0.233	1.166	0.271	0.071	0.681	0.853	0.719
126	127	128	129	130	131	132	133	134	135	136	137	138	139
1.052	0.709	0.909	0.395	0.795	0.481	0.852	0.5	0.547	0.862	0.223	1.242	0.957	1.157
140	141	142	143										
0.176	1.147	0.776	1.033										
Band	Mode	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	53	89	125
LTE Band 71	QPSK	680.5	133297	50	50	Right Cheek	0 mm	0.836	1.02	0.986	0.82	0.408	0.493
Body													
Band	Mode	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)				
									Auto-Tune	18	54	90	126
GSM850	GPRS	836.4	189	N/A	N/A	Back	10mm	0.46	0.541	0.31	0.319	0.367	0.347
Band	Mode	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)				
									Auto-Tune	19	55	91	127
GSM1900	GPRS	1880	661	N/A	N/A	Top Side	10mm	0.661	0.851	0.839	0.834	0.815	0.813
Band	Mode	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)				
									Auto-Tune	20	56	92	128
WCDMA B2	RMC12.2Kbps	1907.6	9538	N/A	N/A	Top Side	10mm	0.949	1.197	1.096	1.105	1.135	1.191
Band	Mode	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)				
									Auto-Tune	21	57	93	129
WCDMA B4	RMC12.2Kbps	1752.6	1513	N/A	N/A	Top Side	10 mm	0.793	1.001	0.892	0.892	0.711	0.703
Band	Mode	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)				
									Auto-Tune	22	58	94	130
WCDMA B5	RMC12.2Kbps	836.4	4182	N/A	N/A	Front	10 mm	0.582	0.682	0.377	0.299	0.545	0.476
Band	Mode	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)				
									Auto-Tune	23	59	95	131
CDMA BC0	RC3 SO32	824.7	1013	N/A	N/A	Back	10 mm	0.496	0.576	0.425	0.401	0.374	0.349
Band	Mode	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)				
									Auto-Tune	24	60	96	132
CDMA BC1	153.6Kbps	1880	600	N/A	N/A	Back	10 mm	0.991	1.298	1.216	1.255	0.356	1.129
Additional Verify of Average Value of Time Sweep (W/kg)													
0	1	2	3	4	5	6	7	8	9	10	11	12	13
1.106	0.953	0.229	0.753	1.115	1.172	1.229	0.229	0.801	0.81	0.744	0.734	0.915	0.458
14	15	16	17	18	19	20	21	22	23	24	25	26	27
0.829	0.867	0.544	0.163	0.639	0.725	1.21	0.334	0.772	1.001	0.163	0.696	0.706	0.134
28	29	30	31	32	33	34	35	36	37	38	39	40	41
0.496	0.667	0.439	0.667	0.801	0.725	0.725	0.163	1.01	1.144	0.277	0.239	0.629	0.248
42	43	44	45	46	47	48	49	50	51	52	53	54	55
0.086	0.486	0.639	0.448	0.515	0.61	0.782	1.248	1.21	0.582	0.086	0.725	0.963	0.391
56	57	58	59	60	61	62	63	64	65	66	67	68	69
1.077	0.982	1.144	0.239	0.515	0.982	0.258	0.125	0.953	1.277	0.658	1.02	0.81	1.001
70	71	72	73	74	75	76	77	78	79	80	81	82	83
1.191	0.648	1.191	1.22	0.925	1.286	0.201	1.172	1.229	0.163	0.277	0.915	1.067	0.686
84	85	86	87	88	89	90	91	92	93	94	95	96	97
0.477	0.163	1.182	0.563	0.582	0.125	0.925	1.22	0.182	1.153	0.877	1.22	0.144	0.734
98	99	100	101	102	103	104	105	106	107	108	109	110	111
1.02	1.001	0.286	0.429	0.715	0.448	0.106	0.953	0.134	0.153	0.763	1.115	0.972	0.982
112	113	114	115	116	117	118	119	120	121	122	123	124	125
0.286	1.01	0.486	0.591	0.763	0.439	0.982	1.02	0.363	0.62	0.248	1.191	0.763	0.648
126	127	128	129	130	131	132	133	134	135	136	137	138	139
1.172	0.791	1.106	0.372	0.582	0.553	0.067	0.934	0.829	0.096	0.601	0.486	0.648	0.372
140	141	142	143										
0.486	0.61	1.258	0.372										
Band	Mode	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)				
									Auto-Tune	25	61	97	133
CDMA BC10	RC3 SO32	820.5	580	N/A	N/A	Front	10 mm	0.501	0.584	0.457	0.433	0.048	0.201



Band	Mode	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)				
									Auto-Tune	26	62	98	134
LTE Band 7	QPSK	2510	20850	1	99	Back	10 mm	0.501	0.618	0.615	0.613	0.595	0.564
Band	Mode	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)				
									Auto-Tune	27	63	99	135
LTE Band 12	QPSK	707.5	23095	1	25	Front	10 mm	0.411	0.479	0.465	0.408	0.117	0.201
Band	Mode	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)				
									Auto-Tune	28	64	100	136
LTE Band 13	QPSK	782	23230	1	25	Front	10 mm	0.544	0.632	0.486	0.435	0.099	0.213
Band	Mode	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)				
									Auto-Tune	29	65	101	137
LTE Band 14	QPSK	793	23330	1	0	Back	10 mm	0.546	0.64	0.469	0.429	0.128	0.322
Band	Mode	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)				
									Auto-Tune	30	66	102	138
LTE Band 25	QPSK	1860	26140	1	0	Top Side	10 mm	0.892	1.142	1.14	1.136	1.128	1.008
Band	Mode	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)				
									Auto-Tune	31	67	103	139
LTE Band 26	QPSK	831.5	26865	1	0	Front	10 mm	0.516	0.613	0.515	0.486	0.263	0.395
Band	Mode	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)				
									Auto-Tune	32	68	104	140
LTE Band 30	QPSK	27710	2310	1	0	Front	10 mm	0.842	1.032	1.01	0.954	1.018	0.998
Band	Mode	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)				
									Auto-Tune	33	69	105	141
LTE Band 41	QPSK	2506	39750	1	99	Back	10 mm	0.299	0.371	0.349	0.347	0.317	0.31
Band	Mode	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)				
									Auto-Tune	34	70	106	142
LTE Band 66	QPSK	1770	132572	1	0	Top Side	10 mm	0.795	1.08	0.918	0.917	0.743	0.741
Band	Mode	Frequency (MHz)	Channel	RB Size	RB Offset	Test Position	Spacing	Measured 1g SAR (W/kg)	Average Value of Time Sweep (W/kg)				
									Auto-Tune	35	71	107	143
LTE Band 71	QPSK	680.5	133297	1	0	Back	10 mm	0.266	0.302	0.277	0.256	0.084	0.081

**Test Engineer :** Bevis Chang, Galen Chang, Iran Wang, Michael Yung, Steve Chang, Mood Huang, Thomas Wang, Aaron Chen and Tommy Chen

### **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 ≤ 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. 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"
- [2] ANSI/IEEE Std. C95.1-1992, "IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz", September 1992
- [3] IEEE Std. 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", Sep 2013
- [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.
- [8] FCC KDB 941225 D01 v03r01, "3G SAR MEAUREMENT PROCEDURES", Oct 2015
- [9] FCC KDB 941225 D05 v02r05, "SAR Evaluation Considerations for LTE Devices", Dec 2015
- [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.