



RF EXPOSURE

SPOT CHECK REPORT

FCC ID : A4RGB7N6
Equipment : Phone
Model Name : GB7N6, GR1YH
Applicant : Google LLC
1600 Amphitheatre Parkway,
Mountain View, California, 94043 USA
Standard : FCC 47 CFR Part2 (2.1093)

We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample provide by manufacturer and the test data has been evaluated in accordance with the test procedures given in 47 CFR Part 2.1093 and FCC KDB and has been pass the FCC requirement.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.



Approved by: Cona Huang / Deputy Manager



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1. Introduction Section

FCC ID: A4RG9S9B (parent model) and FCC ID: A4RGB7N6 (variant model) use the same identical internal printed circuit board layouts, while the variant model depopulates mmwave related components, details are available in the operational description. Due to the design similarity, and referencing to KDB 484596 D01 v01, SAR data reuse for the WWAN antennas 0/2/6 is requested and spot check data in this report is used to justify the data reuse

The applicant should take full responsibility that the test data as referenced in this report represent compliance for this FCC ID: A4RGB7N6.



2. Model Difference Information

A4RG9S9B and A4RGB7N6 use the identical internal printed circuit board layout, and the difference in the components population:

- A4RGB7N6: 5G NR FR2 mmWave related components are depopulated.

The detail of similarity and difference is illustrated in the operational description.



3. Spot Check Verification Data Section

SAR spot check verification on the worst cases from the original model was performed to demonstrate the test data from original model remains representative for the variant model

1st as parent model

2nd as variant model

3.1 Head SAR

No.	Band	Mode	Test Position	Gap (mm)	Output Power State	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)	Deviation %
1st	GSM850_Ant 0	GPRS (4 Tx slots)	Left Cheek	0mm	Index 2 / Index 3	128	824.2	29.75	30.50	1.189	-0.1	0.339	0.403	12.66%
2nd	GSM850_Ant 0	GPRS (4 Tx slots)	Left Cheek	0mm	Index 2 / Index 3	128	824.2	29.14	30.50	1.368	-0.14	0.332	0.454	
1st	GSM1900_Ant 2	GPRS (4 Tx slots)	Right Cheek	0mm	Index 2 / Index 3	512	1850.2	27.23	28.00	1.194	0.01	0.102	0.122	21.31%
2nd	GSM1900_Ant 2	GPRS (4 Tx slots)	Right Cheek	0mm	Index 2 / Index 3	512	1850.2	26.55	28.00	1.396	-0.17	0.106	0.148	
1st	GSM1900_Ant 0	GPRS (4 Tx slots)	Left Cheek	0mm	Index 2 / Index 3	810	1909.8	26.60	27.70	1.288	-0.16	0.357	0.460	0.43%
2nd	GSM1900_Ant 0	GPRS (4 Tx slots)	Left Cheek	0mm	Index 2 / Index 3	810	1909.8	26.08	27.70	1.452	-0.16	0.318	0.462	
1st	WCDMA II_Ant 2	RMC 12.2Kbps	Right Cheek	0mm	Index 2 / Index 3	9262	1852.4	24.82	25.00	1.042	-0.18	0.136	0.142	23.94%
2nd	WCDMA II_Ant 2	RMC 12.2Kbps	Right Cheek	0mm	Index 2 / Index 3	9262	1852.4	24.25	25.00	1.189	-0.05	0.148	0.176	
1st	WCDMA II_Ant 0	RMC 12.2Kbps	Left Cheek	0mm	Index 2 / Index 3	9400	1880	24.25	24.70	1.109	-0.06	0.424	0.470	21.49%
2nd	WCDMA II_Ant 0	RMC 12.2Kbps	Left Cheek	0mm	Index 2 / Index 3	9400	1880	23.94	24.70	1.191	-0.15	0.479	0.571	
1st	WCDMA IV_Ant 2	RMC 12.2Kbps	Right Cheek	0mm	Index 2 / Index 3	1513	1752.6	24.63	25.00	1.089	-0.03	0.257	0.280	2.86%
2nd	WCDMA IV_Ant 2	RMC 12.2Kbps	Right Cheek	0mm	Index 2 / Index 3	1513	1752.6	24.32	25.00	1.169	-0.16	0.246	0.288	
1st	WCDMA IV_Ant 0	RMC 12.2Kbps	Left Cheek	0mm	Index 2 / Index 3	1413	1732.6	24.08	24.70	1.153	-0.03	0.311	0.359	16.16%
2nd	WCDMA IV_Ant 0	RMC 12.2Kbps	Left Cheek	0mm	Index 2 / Index 3	1413	1732.6	23.79	24.70	1.233	-0.13	0.338	0.417	
1st	WCDMA V_Ant 0	RMC 12.2Kbps	Left Cheek	0mm	Index 2 / Index 3	4182	836.4	24.72	25.00	1.067	-0.1	0.301	0.321	4.05%
2nd	WCDMA V_Ant 0	RMC 12.2Kbps	Left Cheek	0mm	Index 2 / Index 3	4182	836.4	24.05	25.00	1.245	-0.14	0.268	0.334	
1st	LTE Band 7_Ant 2	20M_QPSK_1_99	Right Cheek	0mm	Index 2 / Index 3	21350	2560	24.35	24.60	1.059	-0.17	0.425	0.450	-14.00%
2nd	LTE Band 7_Ant 2	20M_QPSK_1_99	Right Cheek	0mm	Index 2 / Index 3	21350	2560	24.00	24.60	1.148	-0.16	0.337	0.387	
1st	LTE Band 7_Ant 0	20M_QPSK_1_0	Left Cheek	0mm	Index 2 / Index 3	21350	2560	23.02	24.00	1.253	-0.03	0.347	0.435	-20.00%
2nd	LTE Band 7_Ant 0	20M_QPSK_1_0	Left Cheek	0mm	Index 2 / Index 3	21350	2560	23.34	24.00	1.164	-0.03	0.299	0.348	
1st	LTE Band 12_Ant 0	10M_QPSK_1_0	Left Cheek	0mm	Index 2 / Index 3	23095	707.5	24.37	25.00	1.156	-0.1	0.250	0.289	-4.84%
2nd	LTE Band 12_Ant 0	10M_QPSK_1_0	Left Cheek	0mm	Index 2 / Index 3	23095	707.5	23.95	25.00	1.274	-0.16	0.216	0.275	
1st	LTE Band 13_Ant 0	10M_QPSK_1_0	Left Cheek	0mm	Index 2 / Index 3	23230	782	24.23	25.00	1.194	-0.11	0.275	0.328	21.04%
2nd	LTE Band 13_Ant 0	10M_QPSK_1_0	Left Cheek	0mm	Index 2 / Index 3	23230	782	23.97	25.00	1.268	-0.13	0.313	0.397	
1st	LTE Band 14_Ant 0	10M_QPSK_1_0	Left Cheek	0mm	Index 2 / Index 3	23330	793	24.30	25.00	1.175	-0.06	0.293	0.344	-18.31%
2nd	LTE Band 14_Ant 0	10M_QPSK_1_0	Left Cheek	0mm	Index 2 / Index 3	23330	793	24.08	25.00	1.236	-0.12	0.227	0.281	
1st	LTE Band 25_Ant 2	20M_QPSK_1_0	Right Cheek	0mm	Index 2 / Index 3	26140	1860	24.21	25.00	1.199	-0.14	0.107	0.128	17.19%
2nd	LTE Band 25_Ant 2	20M_QPSK_1_0	Right Cheek	0mm	Index 2 / Index 3	26140	1860	23.61	25.00	1.377	-0.09	0.109	0.150	
1st	LTE Band 25_Ant 0	20M_QPSK_1_49	Left Cheek	0mm	Index 2 / Index 3	26140	1860	23.90	24.70	1.202	-0.09	0.390	0.469	-1.49%
2nd	LTE Band 25_Ant 0	20M_QPSK_1_49	Left Cheek	0mm	Index 2 / Index 3	26140	1860	23.39	24.70	1.352	-0.13	0.342	0.462	
1st	LTE Band 26_Ant 0	15M_QPSK_1_0	Left Cheek	0mm	Index 2 / Index 3	26865	831.5	24.22	25.00	1.197	-0.13	0.258	0.309	-4.21%
2nd	LTE Band 26_Ant 0	15M_QPSK_1_0	Left Cheek	0mm	Index 2 / Index 3	26865	831.5	24.12	25.00	1.225	-0.09	0.242	0.296	
1st	LTE Band 30_Ant 2	10M_QPSK_1_0	Right Cheek	0mm	Index 2 / Index 3	27710	2310	24.24	25.00	1.191	-0.03	0.191	0.228	20.18%
2nd	LTE Band 30_Ant 2	10M_QPSK_1_0	Right Cheek	0mm	Index 2 / Index 3	27710	2310	23.66	25.00	1.361	-0.18	0.201	0.274	
1st	LTE Band 30_Ant 0	10M_QPSK_1_0	Left Cheek	0mm	Index 2 / Index 3	27710	2310	23.72	24.40	1.169	-0.09	0.328	0.384	2.60%
2nd	LTE Band 30_Ant 0	10M_QPSK_1_0	Left Cheek	0mm	Index 2 / Index 3	27710	2310	23.44	24.40	1.247	-0.01	0.316	0.394	



No.	Band	Mode	Test Position	Gap (mm)	Output Power State	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)	Deviation %
1st	LTE Band 41_Ant 2	20M_QPSK_1_99	Right Cheek	0mm	Index 2 / Index 3	40185	2549.5	23.33	23.80	1.114	62.9	1.006	-0.11	0.243	0.272	-12.13%
2nd	LTE Band 41_Ant 2	20M_QPSK_1_99	Right Cheek	0mm	Index 2 / Index 3	40185	2549.5	22.92	23.80	1.225	62.9	1.006	-0.09	0.194	0.239	
1st	LTE Band 41 HPUE_Ant 2	20M_QPSK_1_99	Right Cheek	0mm	Index 2 / Index 3	40185	2549.5	26.27	26.80	1.130	42.9	1.009	-0.19	0.315	0.359	-54.00%
2nd	LTE Band 41 HPUE_Ant 2	20M_QPSK_1_99	Right Cheek	0mm	Index 2 / Index 3	40185	2549.5	25.80	26.80	1.259	42.9	1.009	-0.06	0.130	0.165	
1st	LTE Band 41_Ant 0	20M_QPSK_1_99	Left Cheek	0mm	Index 2 / Index 3	40620	2593	22.50	23.20	1.175	62.9	1.006	0.04	0.205	0.242	-2.21%
2nd	LTE Band 41_Ant 0	20M_QPSK_1_99	Left Cheek	0mm	Index 2 / Index 3	40620	2593	22.18	23.20	1.265	62.9	1.006	-0.12	0.186	0.237	
1st	LTE Band 41 HPUE_Ant 0	20M_QPSK_1_99	Left Cheek	0mm	Index 2 / Index 3	40620	2593	25.47	26.50	1.268	42.9	1.009	-0.16	0.198	0.253	-23.48%
2nd	LTE Band 41 HPUE_Ant 0	20M_QPSK_1_99	Left Cheek	0mm	Index 2 / Index 3	40620	2593	25.10	26.50	1.380	42.9	1.009	-0.09	0.139	0.194	
1st	LTE Band 48_Ant 6	20M_QPSK_1_0	Left Cheek	0mm	Index 2 / Index 3	56150	3641	23.28	24.00	1.180	62.9	1.006	-0.07	0.373	0.443	-20.21%
2nd	LTE Band 48_Ant 6	20M_QPSK_1_0	Left Cheek	0mm	Index 2 / Index 3	56150	3641	22.92	24.00	1.282	62.9	1.006	-0.08	0.274	0.353	
1st	LTE Band 48_Ant 2	20M_QPSK_1_0	Right Cheek	0mm	Index 2 / Index 3	55340	3560	23.14	24.50	1.368	62.9	1.006	0.03	0.298	0.410	-12.66%
2nd	LTE Band 48_Ant 2	20M_QPSK_1_0	Right Cheek	0mm	Index 2 / Index 3	55340	3560	22.77	24.50	1.489	62.9	1.006	0.03	0.239	0.358	
1st	LTE Band 66_Ant 2	20M_QPSK_1_0	Right Cheek	0mm	Index 2 / Index 3	132572	1770	24.25	25.00	1.189			-0.11	0.175	0.208	21.97%
2nd	LTE Band 66_Ant 2	20M_QPSK_1_0	Right Cheek	0mm	Index 2 / Index 3	132572	1770	23.79	25.00	1.321			-0.17	0.192	0.254	
1st	LTE Band 66_Ant 0	20M_QPSK_1_0	Left Cheek	0mm	Index 2 / Index 3	132322	1745	23.68	24.70	1.265			0.05	0.369	0.467	-9.31%
2nd	LTE Band 66_Ant 0	20M_QPSK_1_0	Left Cheek	0mm	Index 2 / Index 3	132322	1745	23.26	24.70	1.393			-0.18	0.304	0.424	
1st	LTE Band 71_Ant 0	20M_QPSK_1_0	Left Cheek	0mm	Index 2 / Index 3	133322	683	24.35	25.00	1.161			0.11	0.238	0.276	-3.95%
2nd	LTE Band 71_Ant 0	20M_QPSK_1_0	Left Cheek	0mm	Index 2 / Index 3	133322	683	24.07	25.00	1.239			-0.18	0.214	0.265	
1st	FR1 n5_Ant 0	20M_BPSK_50_28	Left Cheek	0mm	Index 2 / Index 3	167300	836.5	24.71	25.00	1.069			-0.04	0.263	0.281	-9.06%
2nd	FR1 n5_Ant 0	20M_BPSK_50_28	Left Cheek	10mm	Index 2 / Index 3	167300	836.5	24.31	25.00	1.172			-0.05	0.218	0.256	
1st	FR1 n7_Ant 2	20M_BPSK_1_53	Right Cheek	0mm	Index 2 / Index 3	507000	2535	23.86	24.60	1.186			-0.02	0.300	0.356	14.85%
2nd	FR1 n7_Ant 2	20M_BPSK_1_53	Right Cheek	0mm	Index 2 / Index 3	507000	2535	23.27	24.60	1.358			-0.1	0.301	0.409	
1st	FR1 n7_Ant 0	20M_BPSK_50_28	Left Cheek	0mm	Index 2 / Index 3	512000	2560	23.06	24.00	1.242			-0.03	0.292	0.363	12.56%
2nd	FR1 n7_Ant 0	20M_BPSK_50_28	Left Cheek	0mm	Index 2 / Index 3	512000	2560	23.34	24.00	1.164			-0.02	0.351	0.409	
1st	FR1 n12_Ant 0	15M_BPSK_1_77	Left Cheek	0mm	Index 2 / Index 3	141500	707.5	24.70	25.00	1.072			-0.02	0.226	0.242	3.18%
2nd	FR1 n12_Ant 0	15M_BPSK_1_77	Left Cheek	0mm	Index 2 / Index 3	141500	707.5	24.33	25.00	1.167			-0.14	0.214	0.250	
1st	FR1 n25_Ant 2	20M_BPSK_1_1	Left Cheek	0mm	Index 2 / Index 3	372000	1860	24.36	25.00	1.159			-0.16	0.104	0.121	23.59%
2nd	FR1 n25_Ant 2	20M_BPSK_1_1	Left Cheek	0mm	Index 2 / Index 3	372000	1860	24.08	25.00	1.236			-0.19	0.121	0.150	
1st	FR1 n25_Ant 0	20M_BPSK_1_53	Left Cheek	0mm	Index 2 / Index 3	381000	1905	23.71	24.70	1.256			-0.07	0.386	0.485	15.27%
2nd	FR1 n25_Ant 0	20M_BPSK_1_53	Left Cheek	0mm	Index 2 / Index 3	381000	1905	23.65	24.70	1.274			-0.13	0.439	0.559	
1st	FR1 n30_Ant 2	10M_BPSK_25_14	Right Cheek	0mm	Index 2 / Index 3	462000	2310	23.97	25.00	1.268			-0.05	0.158	0.200	19.63%
2nd	FR1 n30_Ant 2	10M_BPSK_25_14	Right Cheek	0mm	Index 2 / Index 3	462000	2310	23.74	25.00	1.337			-0.17	0.179	0.239	
1st	FR1 n30_Ant 0	10M_BPSK_25_14	Left Cheek	0mm	Index 2 / Index 3	462000	2310	23.25	24.40	1.303			-0.05	0.240	0.313	22.37%
2nd	FR1 n30_Ant 0	10M_BPSK_25_14	Left Cheek	0mm	Index 2 / Index 3	462000	2310	23.70	24.40	1.175			-0.11	0.326	0.383	
1st	FR1 n66_Ant 2	40M_BPSK_108_54	Right Cheek	0mm	Index 2 / Index 3	349000	1745	24.24	25.00	1.191			-0.04	0.189	0.225	16.70%
2nd	FR1 n66_Ant 2	40M_BPSK_108_54	Right Cheek	0mm	Index 2 / Index 3	349000	1745	24.31	25.00	1.172			-0.11	0.224	0.263	
1st	FR1 n66_Ant 0	40M_BPSK_1_108	Left Cheek	0mm	Index 2 / Index 3	349000	1745	24.21	24.70	1.119			-0.03	0.349	0.391	14.46%
2nd	FR1 n66_Ant 0	40M_BPSK_1_108	Left Cheek	0mm	Index 2 / Index 3	349000	1745	23.57	24.70	1.297			-0.17	0.345	0.448	
1st	FR1 n71_Ant 0	20M_BPSK_50_28	Left Cheek	0mm	Index 2 / Index 3	136100	680.5	24.69	25.00	1.074			-0.08	0.227	0.244	-11.48%
2nd	FR1 n71_Ant 0	20M_BPSK_50_28	Left Cheek	0mm	Index 2 / Index 3	136100	680.5	24.28	25.00	1.180			-0.16	0.183	0.216	



No.	Band	Mode	Test Position	Gap (mm)	Output Power State	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)	Deviation %
1st	FR1 n77_Ant 6	100M_BPSK_135_69	Left Cheek	0mm	Index 2	650000	3840	23.36	25.00	1.459	0.01	0.636	0.928	-9.27%
2nd	FR1 n77_Ant 6	100M_BPSK_135_69	Left Cheek	0mm	Index 2	656000	3840	23.96	25.00	1.271	-0.16	0.663	0.842	
1st	FR1 n77_HPUE_Ant 6	100M_BPSK_135_69	Left Cheek	0mm	Index 2	656000	3840	25.78	27.00	1.324	-0.09	0.523	0.693	-3.75%
2nd	FR1 n77_HPUE_Ant 6	100M_BPSK_135_69	Left Cheek	0mm	Index 2	656000	3840	26.02	27.00	1.253	-0.09	0.532	0.667	
1st	FR1 n77_Ant 6	100M_BPSK_135_69	Left Cheek	0mm	Index 3	650000	3840	23.36	24.60	1.330	0.01	0.636	0.846	-9.22%
2nd	FR1 n77_Ant 6	100M_BPSK_135_69	Left Cheek	0mm	Index 3	656000	3840	23.96	24.60	1.159	-0.16	0.663	0.768	
1st	FR1 n77_HPUE_Ant 6	100M_BPSK_135_69	Left Cheek	0mm	Index 3	656000	3840	25.78	27.00	1.324	-0.09	0.523	0.693	-3.75%
2nd	FR1 n77_HPUE_Ant 6	100M_BPSK_135_69	Left Cheek	0mm	Index 3	656000	3840	26.02	27.00	1.253	-0.09	0.532	0.667	
1st	FR1 n77_Ant 6	100M_BPSK_1_271	Left Cheek	0mm	Index 2	633332	3499.98	23.43	25.00	1.435	0.05	0.520	0.746	-24.93%
2nd	FR1 n77_Ant 6	100M_BPSK_1_271	Left Cheek	0mm	Index 2	633332	3499.98	24.18	25.00	1.208	-0.09	0.464	0.560	
1st	FR1 n77_HPUE_Ant 6	100M_BPSK_135_69	Left Cheek	0mm	Index 2	633332	3499.98	25.82	27.00	1.312	-0.02	0.427	0.560	-11.07%
2nd	FR1 n77_HPUE_Ant 6	100M_BPSK_135_69	Left Cheek	0mm	Index 2	633332	3499.98	25.96	27.00	1.271	-0.07	0.392	0.498	
1st	FR1 n77_Ant 6	100M_BPSK_1_271	Left Cheek	0mm	Index 3	633332	3499.98	23.43	24.60	1.309	0.05	0.520	0.681	-24.96%
2nd	FR1 n77_Ant 6	100M_BPSK_1_271	Left Cheek	0mm	Index 3	633332	3499.98	24.18	24.60	1.102	-0.09	0.464	0.511	
1st	FR1 n77_HPUE_Ant 6	100M_BPSK_135_69	Left Cheek	0mm	Index 3	633332	3499.98	25.82	27.00	1.312	-0.02	0.427	0.560	-11.07%
2nd	FR1 n77_HPUE_Ant 6	100M_BPSK_135_69	Left Cheek	0mm	Index 3	633332	3499.98	25.96	27.00	1.271	-0.07	0.392	0.498	
1st	FR1 n77_Ant 2	100M_BPSK_1_1	Right Cheek	0mm	Index 2	656000	3840	23.58	25.00	1.387	-0.16	0.339	0.470	5.11%
2nd	FR1 n77_Ant 2	100M_BPSK_1_1	Right Cheek	0mm	Index 2	656000	3840	23.77	25.00	1.327	-0.17	0.372	0.494	
1st	FR1 n77_HPUE_Ant 2	100M_BPSK_1_1	Right Cheek	0mm	Index 2	656000	3840	25.91	27.00	1.285	0.03	0.280	0.360	13.06%
2nd	FR1 n77_HPUE_Ant 2	100M_BPSK_1_1	Right Cheek	0mm	Index 2	656000	3840	25.98	27.00	1.265	0.09	0.322	0.407	
1st	FR1 n77_Ant 2	100M_BPSK_1_1	Right Cheek	0mm	Index 3	656000	3840	23.58	24.20	1.153	-0.16	0.339	0.391	5.12%
2nd	FR1 n77_Ant 2	100M_BPSK_1_1	Right Cheek	0mm	Index 3	656000	3840	23.77	24.20	1.104	-0.17	0.372	0.411	
1st	FR1 n77_HPUE_Ant 2	100M_BPSK_1_1	Right Cheek	0mm	Index 3	656000	3840	25.91	27.00	1.285	0.03	0.280	0.360	13.06%
2nd	FR1 n77_HPUE_Ant 2	100M_BPSK_1_1	Right Cheek	0mm	Index 3	656000	3840	25.98	27.00	1.265	0.09	0.322	0.407	
1st	FR1 n77_Ant 2	100M_BPSK_1_1	Right Cheek	0mm	Index 2	633332	3499.98	23.06	25.00	1.563	-0.11	0.680	1.063	-41.11%
2nd	FR1 n77_Ant 2	100M_BPSK_1_1	Right Cheek	0mm	Index 2	633332	3499.98	23.74	25.00	1.337	-0.15	0.468	0.626	
1st	FR1 n77_HPUE_Ant 2	100M_BPSK_135_69	Right Cheek	0mm	Index 2	633332	3499.98	25.84	27.00	1.306	-0.08	0.401	0.524	-5.53%
2nd	FR1 n77_HPUE_Ant 2	100M_BPSK_135_69	Right Cheek	0mm	Index 2	633332	3499.98	26.04	27.00	1.247	0.14	0.397	0.495	
1st	FR1 n77_Ant 2	100M_BPSK_1_1	Right Cheek	0mm	Index 3	633332	3499.98	23.06	24.20	1.300	-0.11	0.680	0.884	-41.18%
2nd	FR1 n77_Ant 2	100M_BPSK_1_1	Right Cheek	0mm	Index 3	633332	3499.98	23.74	24.20	1.112	-0.15	0.468	0.520	
1st	FR1 n77_HPUE_Ant 2	100M_BPSK_135_69	Right Cheek	0mm	Index 3	633332	3499.98	25.84	27.00	1.306	-0.08	0.401	0.524	-5.53%
2nd	FR1 n77_HPUE_Ant 2	100M_BPSK_135_69	Right Cheek	0mm	Index 3	633332	3499.98	26.04	27.00	1.247	0.14	0.397	0.495	



3.2 Hotspot SAR

No.	Band	Mode	Test Position	Gap (mm)	Output Power State	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)	Deviation %
1st	GSM850_Ant 0	GPRS (4 Tx slots)	Left Side	10mm	Index 4	128	824.2	29.75	30.50	1.189	-0.01	0.648	0.770	-6.36%
2nd	GSM850_Ant 0	GPRS (4 Tx slots)	Left Side	10mm	Index 4	128	824.2	29.14	30.50	1.368	-0.04	0.527	0.721	
1st	GSM1900_Ant 2	GPRS (4 Tx slots)	Bottom Side	10mm	Index 4	661	1880	24.10	24.30	1.047	-0.15	0.863	0.904	-0.88%
2nd	GSM1900_Ant 2	GPRS (4 Tx slots)	Bottom Side	10mm	Index 4	661	1880	24.22	24.30	1.019	-0.05	0.880	0.896	
1st	GSM1900_Ant 0	GPRS (4 Tx slots)	Bottom Side	10mm	Index 4	810	1909.8	26.30	26.30	1.000	-0.16	0.887	0.887	-4.96%
2nd	GSM1900_Ant 0	GPRS (4 Tx slots)	Bottom Side	10mm	Index 4	810	1909.8	26.00	26.30	1.072	0.14	0.787	0.843	
1st	WCDMA II_Ant 2	RMC 12.2Kbps	Bottom Side	10mm	Index 4	9400	1880	20.97	21.20	1.054	-0.17	0.856	0.903	-0.33%
2nd	WCDMA II_Ant 2	RMC 12.2Kbps	Bottom Side	10mm	Index 4	9400	1880	21.15	21.20	1.012	-0.16	0.890	0.900	
1st	WCDMA II_Ant 0	RMC 12.2Kbps	Bottom Side	10mm	Index 4	9400	1880	22.20	22.60	1.096	-0.14	0.827	0.907	-11.47%
2nd	WCDMA II_Ant 0	RMC 12.2Kbps	Bottom Side	10mm	Index 4	9400	1880	22.39	22.60	1.050	-0.09	0.765	0.803	
1st	WCDMA IV_Ant 2	RMC 12.2Kbps	Bottom Side	10mm	Index 4	1513	1752.6	22.25	22.40	1.035	-0.17	0.864	0.894	-10.07%
2nd	WCDMA IV_Ant 2	RMC 12.2Kbps	Bottom Side	10mm	Index 4	1513	1752.6	22.32	22.40	1.019	-0.08	0.789	0.804	
1st	WCDMA IV_Ant 0	RMC 12.2Kbps	Left Side	10mm	Index 4	1513	1752.6	24.14	24.70	1.138	-0.08	0.709	0.807	-0.62%
2nd	WCDMA IV_Ant 0	RMC 12.2Kbps	Left Side	10mm	Index 4	1513	1752.6	23.74	24.70	1.247	0.03	0.643	0.802	
1st	WCDMA V_Ant 0	RMC 12.2Kbps	Left Side	10mm	Index 4	4233	846.6	24.64	25.00	1.086	-0.07	0.274	0.298	18.46%
2nd	WCDMA V_Ant 0	RMC 12.2Kbps	Left Side	10mm	Index 4	4233	846.6	24.20	25.00	1.202	-0.05	0.294	0.353	
1st	LTE Band 7_Ant 2	20M_QPSK_50_50	Bottom Side	10mm	Index 4	21350	2560	19.16	19.80	1.159	-0.09	0.747	0.866	-11.66%
2nd	LTE Band 7_Ant 2	20M_QPSK_50_50	Bottom Side	10mm	Index 4	21350	2560	19.14	19.80	1.164	-0.01	0.657	0.765	
1st	LTE Band 7_Ant 0	20M_QPSK_1_0	Left Side	10mm	Index 4	21350	2560	23.02	24.00	1.253	-0.15	0.628	0.787	-7.88%
2nd	LTE Band 7_Ant 0	20M_QPSK_1_0	Left Side	10mm	Index 4	21350	2560	23.34	24.00	1.164	-0.17	0.623	0.725	
1st	LTE Band 12_Ant 0	10M_QPSK_1_0	Left Side	10mm	Index 4	23095	707.5	24.37	25.00	1.156	0.01	0.438	0.506	-23.91%
2nd	LTE Band 12_Ant 0	10M_QPSK_1_0	Left Side	10mm	Index 4	23095	707.5	23.95	25.00	1.274	-0.09	0.302	0.385	
1st	LTE Band 13_Ant 0	10M_QPSK_1_0	Left Side	10mm	Index 4	23230	782	24.23	25.00	1.194	-0.18	0.384	0.458	10.48%
2nd	LTE Band 13_Ant 0	10M_QPSK_1_0	Left Side	10mm	Index 4	23230	782	23.97	25.00	1.268	-0.02	0.399	0.506	
1st	LTE Band 14_Ant 0	10M_QPSK_1_0	Left Side	10mm	Index 4	23330	793	24.30	25.00	1.175	-0.16	0.380	0.446	-28.25%
2nd	LTE Band 14_Ant 0	10M_QPSK_1_0	Left Side	10mm	Index 4	23330	793	24.08	25.00	1.236	-0.04	0.259	0.320	
1st	LTE Band 25_Ant 2	20M_QPSK_1_0	Bottom Side	10mm	Index 4	26340	1880	20.27	20.70	1.104	-0.17	0.810	0.894	-0.78%
2nd	LTE Band 25_Ant 2	20M_QPSK_1_0	Bottom Side	10mm	Index 4	26340	1880	20.29	20.70	1.099	-0.04	0.807	0.887	
1st	LTE Band 25_Ant 0	20M_QPSK_50_24	Bottom Side	10mm	Index 4	26590	1905	22.35	22.50	1.035	-0.13	0.873	0.904	-2.88%
2nd	LTE Band 25_Ant 0	20M_QPSK_50_24	Bottom Side	10mm	Index 4	26590	1905	22.45	22.50	1.012	-0.06	0.898	0.878	
1st	LTE Band 26_Ant 0	15M_QPSK_1_0	Left Side	10mm	Index 4	26865	831.5	24.22	25.00	1.197	-0.12	0.395	0.473	-8.03%
2nd	LTE Band 26_Ant 0	15M_QPSK_1_0	Left Side	10mm	Index 4	26865	831.5	24.12	25.00	1.225	-0.09	0.355	0.435	
1st	LTE Band 30_Ant 2	10M_QPSK_1_0	Bottom Side	10mm	Index 4	27710	2310	19.75	20.40	1.161	-0.13	0.772	0.897	-14.05%
2nd	LTE Band 30_Ant 2	10M_QPSK_1_0	Bottom Side	10mm	Index 4	27710	2310	19.76	20.40	1.159	-0.16	0.665	0.771	
1st	LTE Band 30_Ant 0	10M_QPSK_1_0	Left Side	10mm	Index 4	27710	2310	23.72	23.90	1.042	0.05	0.853	0.889	-18.11%
2nd	LTE Band 30_Ant 0	10M_QPSK_1_0	Left Side	10mm	Index 4	27710	2310	23.75	23.90	1.035	-0.17	0.703	0.728	



No.	Band	Mode	Test Position	Gap (mm)	Output Power State	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)	Deviation %
1st	LTE Band 41_Ant 2	20M_QPSK_50_24	Bottom Side	10mm	Index 4	40185	2549.5	22.03	22.10	1.016	62.9	1.006	-0.01	0.872	0.891	-2.13%
2nd	LTE Band 41_Ant 2	20M_QPSK_50_24	Bottom Side	10mm	Index 4	40185	2549.5	21.99	22.10	1.026	62.9	1.006	-0.13	0.845	0.872	
1st	LTE Band 41 HPUE_Ant 2	20M_QPSK_1_99	Bottom Side	10mm	Index 4	40185	2549.5	23.43	23.90	1.114	42.9	1.009	-0.02	0.789	0.887	-7.67%
2nd	LTE Band 41 HPUE_Ant 2	20M_QPSK_1_99	Bottom Side	10mm	Index 4	40185	2549.5	23.42	23.90	1.117	42.9	1.009	-0.15	0.727	0.819	
1st	LTE Band 41_Ant 0	20M_QPSK_1_99	Left Side	10mm	Index 4	40185	2549.5	22.75	23.20	1.109	62.9	1.006	0.05	0.538	0.600	9.17%
2nd	LTE Band 41_Ant 0	20M_QPSK_1_99	Left Side	10mm	Index 4	40185	2549.5	22.30	23.20	1.230	62.9	1.006	-0.03	0.529	0.655	
1st	LTE Band 41 HPUE_Ant 0	20M_QPSK_1_99	Left Side	10mm	Index 4	40185	2549.5	25.66	26.50	1.213	42.9	1.009	-0.05	0.732	0.896	-2.12%
2nd	LTE Band 41 HPUE_Ant 0	20M_QPSK_1_99	Left Side	10mm	Index 4	40185	2549.5	25.56	26.50	1.242	42.9	1.009	-0.03	0.700	0.877	
1st	LTE Band 48_Ant 6	20M_QPSK_1_99	Left Side	10mm	Index 4	56640	3690	23.28	24.00	1.180	62.9	1.006	-0.18	0.750	0.891	-2.24%
2nd	LTE Band 48_Ant 6	20M_QPSK_1_99	Left Side	10mm	Index 4	56640	3690	22.81	24.00	1.315	62.9	1.006	-0.12	0.658	0.871	
1st	LTE Band 48_Ant 2	20M_QPSK_1_0	Right Side	10mm	Index 4	55340	3560	23.14	24.20	1.276	62.9	1.006	-0.04	0.705	0.905	-19.01%
2nd	LTE Band 48_Ant 2	20M_QPSK_1_0	Right Side	10mm	Index 4	55340	3560	23.18	24.20	1.265	62.9	1.006	-0.11	0.576	0.733	
1st	LTE Band 66_Ant 2	20M_QPSK_1_99	Bottom Side	10mm	Index 4	132572	1770	21.46	22.00	1.132			-0.13	0.804	0.910	-8.68%
2nd	LTE Band 66_Ant 2	20M_QPSK_1_99	Bottom Side	10mm	Index 4	132572	1770	21.48	22.00	1.127			-0.1	0.737	0.831	
1st	LTE Band 66_Ant 0	20M_QPSK_1_0	Left Side	10mm	Index 4	132322	1745	23.68	24.70	1.265			-0.01	0.597	0.755	2.78%
2nd	LTE Band 66_Ant 0	20M_QPSK_1_0	Left Side	10mm	Index 4	132322	1745	23.26	24.70	1.393			-0.07	0.557	0.776	
1st	LTE Band 71_Ant 0	20M_QPSK_1_0	Left Side	10mm	Index 4	133322	683	24.35	25.00	1.161			-0.15	0.403	0.468	-7.91%
2nd	LTE Band 71_Ant 0	20M_QPSK_1_0	Left Side	10mm	Index 4	133322	683	24.07	25.00	1.239			-0.17	0.348	0.431	
1st	FR1 n5_Ant 0	20M_BPSK_50_28	Left Side	10mm	Index 4	167300	836.5	24.71	25.00	1.069			-0.05	0.398	0.425	-13.41%
2nd	FR1 n5_Ant 0	20M_BPSK_50_28	Left Side	10mm	Index 4	167300	836.5	24.31	25.00	1.172			-0.02	0.314	0.368	
1st	FR1 n7_Ant 2	20M_BPSK_50_0	Bottom Side	10mm	Index 4	512000	2560	19.50	19.50	1.000			-0.05	0.910	0.910	-0.55%
2nd	FR1 n7_Ant 2	20M_BPSK_50_0	Bottom Side	10mm	Index 4	512000	2560	19.45	19.50	1.012			-0.03	0.895	0.905	
1st	FR1 n7_Ant 0	20M_BPSK_1_53	Left Side	10mm	Index 4	512000	2560	23.19	24.00	1.205			-0.09	0.542	0.653	-1.84%
2nd	FR1 n7_Ant 0	20M_BPSK_1_53	Left Side	10mm	Index 4	512000	2560	23.47	24.00	1.130			-0.19	0.567	0.641	
1st	FR1 n12_Ant 0	15M_BPSK_36_22	Left Side	10mm	Index 4	141500	707.5	24.69	25.00	1.074			-0.07	0.376	0.404	-8.66%
2nd	FR1 n12_Ant 0	15M_BPSK_36_22	Left Side	10mm	Index 4	141500	707.5	24.34	25.00	1.164			-0.17	0.317	0.369	
1st	FR1 n25_Ant 2	20M_BPSK_50_28	Bottom Side	10mm	Index 4	376500	1882.5	20.18	20.20	1.005			-0.07	0.893	0.897	-12.37%
2nd	FR1 n25_Ant 2	20M_BPSK_50_28	Bottom Side	10mm	Index 4	376500	1882.5	20.20	20.20	1.000			0.01	0.786	0.786	
1st	FR1 n25_Ant 0	20M_BPSK_50_28	Bottom Side	10mm	Index 4	381000	1905	21.81	22.60	1.199			-0.03	0.699	0.838	-2.03%
2nd	FR1 n25_Ant 0	20M_BPSK_50_28	Bottom Side	10mm	Index 4	381000	1905	22.25	22.60	1.084			0.09	0.757	0.821	
1st	FR1 n30_Ant 2	20M_BPSK_50_0	Bottom Side	10mm	Index 4	462000	2310	20.63	21.00	1.089			0.04	0.825	0.898	-5.68%
2nd	FR1 n30_Ant 2	20M_BPSK_50_0	Bottom Side	10mm	Index 4	462000	2310	20.82	21.00	1.042			0.06	0.813	0.847	
1st	FR1 n30_Ant 0	10M_BPSK_1_26	Left Side	10mm	Index 4	462000	2310	23.38	24.40	1.265			-0.02	0.598	0.756	-5.03%
2nd	FR1 n30_Ant 0	10M_BPSK_1_26	Left Side	10mm	Index 4	462000	2310	23.84	24.40	1.138			-0.18	0.631	0.718	
1st	FR1 n66_Ant 2	40M_BPSK_108_54	Bottom Side	10mm	Index 4	349000	1745	22.31	22.70	1.094			-0.04	0.747	0.817	-1.71%
2nd	FR1 n66_Ant 2	40M_BPSK_108_54	Bottom Side	10mm	Index 4	349000	1745	22.19	22.70	1.125			0.04	0.714	0.803	
1st	FR1 n66_Ant 0	40M_BPSK_108_54	Left Side	10mm	Index 4	349000	1745	24.05	24.70	1.161			-0.06	0.687	0.798	-6.14%
2nd	FR1 n66_Ant 0	40M_BPSK_108_54	Left Side	10mm	Index 4	349000	1745	23.40	24.70	1.349			-0.14	0.555	0.749	
1st	FR1 n71_Ant 0	20M_BPSK_1_53	Left Side	10mm	Index 4	136100	680.5	24.80	25.00	1.047			0.09	0.222	0.232	20.26%
2nd	FR1 n71_Ant 0	20M_BPSK_1_53	Left Side	10mm	Index 4	136100	680.5	24.42	25.00	1.143			-0.18	0.244	0.279	



No.	Band	Mode	Test Position	Gap (mm)	Output Power State	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)	Deviation %
1st	FR1 n77_Ant 6	100M_BPSK_1_1	Left Side	10mm	Index 4	656000	3840	21.50	21.60	1.023	0	0.770	0.788	-0.25%
2nd	FR1 n77_Ant 6	100M_BPSK_1_1	Left Side	10mm	Index 4	656000	3840	21.16	21.60	1.107	-0.15	0.710	0.786	
1st	FR1 n77_HPUE_Ant 6	100M_BPSK_1_1	Left Side	10mm	Index 4	656000	3840	23.41	24.60	1.315	-0.16	0.575	0.756	-1.85%
2nd	FR1 n77_HPUE_Ant 6	100M_BPSK_1_1	Left Side	10mm	Index 4	656000	3840	23.12	24.60	1.406	-0.15	0.528	0.742	
1st	FR1 n77_Ant 6	100M_BPSK_1_137	Left Side	10mm	Index 4	633332	3499.98	21.21	21.60	1.094	-0.06	0.696	0.761	-11.83%
2nd	FR1 n77_Ant 6	100M_BPSK_1_137	Left Side	10mm	Index 4	633332	3499.98	21.19	21.60	1.099	-0.08	0.611	0.671	
1st	FR1 n77_HPUE_Ant 6	100M_BPSK_1_137	Left Side	10mm	Index 4	633332	3499.98	23.16	24.60	1.393	-0.14	0.553	0.770	-0.39%
2nd	FR1 n77_HPUE_Ant 6	100M_BPSK_1_137	Left Side	10mm	Index 4	633332	3499.98	23.13	24.60	1.403	-0.11	0.547	0.767	
1st	FR1 n77_Ant 2	100M_BPSK_1_1	Right Side	10mm	Index 4	656000	3840	21.17	21.90	1.183	0.03	0.393	0.465	9.46%
2nd	FR1 n77_Ant 2	100M_BPSK_1_1	Right Side	10mm	Index 4	656000	3840	21.12	21.90	1.197	-0.14	0.425	0.509	
1st	FR1 n77_HPUE_Ant 2	100M_BPSK_1_1	Right Side	10mm	Index 4	656000	3840	23.93	24.90	1.250	0.01	0.472	0.590	-12.71%
2nd	FR1 n77_HPUE_Ant 2	100M_BPSK_1_1	Right Side	10mm	Index 4	656000	3840	23.92	24.90	1.253	-0.04	0.411	0.515	
1st	FR1 n77_Ant 2	100M_BPSK_1_1	Right Side	10mm	Index 4	633332	3499.98	20.75	21.90	1.303	-0.02	0.647	0.843	-14.35%
2nd	FR1 n77_Ant 2	100M_BPSK_1_1	Right Side	10mm	Index 4	633332	3499.98	21.06	21.90	1.213	-0.02	0.595	0.722	
1st	FR1 n77_HPUE_Ant 2	100M_BPSK_1_1	Right Side	10mm	Index 4	633332	3499.98	23.75	24.90	1.303	-0.02	0.634	0.826	-12.23%
2nd	FR1 n77_HPUE_Ant 2	100M_BPSK_1_1	Right Side	10mm	Index 4	633332	3499.98	24.04	24.90	1.219	-0.03	0.595	0.725	



3.3 Body-Worn SAR

No.	Band	Mode	Test Position	Gap (mm)	Output Power State	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)	Deviation %
1st	GSM850_Ant 0	GPRS (4 Tx slots)	Front	10mm	Index 4 / Index 6	128	824.2	29.75	30.50	1.189	-0.09	0.463	0.550	2.18%
2nd	GSM850_Ant 0	GPRS (4 Tx slots)	Front	10mm	Index 4 / Index 6	128	824.2	29.14	30.50	1.368	-0.13	0.411	0.562	
1st	GSM1900_Ant 2	GPRS (4 Tx slots)	Back	10mm	Index 4	512	1850.2	24.30	25.50	1.318	-0.04	0.908	1.197	-16.21%
2nd	GSM1900_Ant 2	GPRS (4 Tx slots)	Back	10mm	Index 4	512	1850.2	24.30	25.50	1.318	0.17	0.761	1.003	
1st	GSM1900_Ant 2	GPRS (4 Tx slots)	Back	10mm	Index 6	512	1850.2	24.30	24.30	1.000	-0.04	0.908	0.908	-16.19%
2nd	GSM1900_Ant 2	GPRS (4 Tx slots)	Back	10mm	Index 6	512	1850.2	24.30	24.30	1.000	0.17	0.761	0.761	
1st	GSM1900_Ant 0	GPRS (4 Tx slots)	Back	10mm	Index 4	810	1909.8	26.30	27.70	1.380	-0.12	0.854	1.179	-2.29%
2nd	GSM1900_Ant 0	GPRS (4 Tx slots)	Back	10mm	Index 4	810	1909.8	26.00	27.70	1.479	-0.15	0.779	1.152	
1st	GSM1900_Ant 0	GPRS (4 Tx slots)	Back	10mm	Index 6	810	1909.8	26.30	26.50	1.047	-0.12	0.854	0.894	-2.24%
2nd	GSM1900_Ant 0	GPRS (4 Tx slots)	Back	10mm	Index 6	810	1909.8	26.00	26.50	1.122	-0.15	0.779	0.874	
1st	WCDMA II_Ant 2	RMC 12.2Kbps	Back	10mm	Index 4	9262	1852.4	21.37	22.60	1.327	-0.08	0.883	1.172	-6.66%
2nd	WCDMA II_Ant 2	RMC 12.2Kbps	Back	10mm	Index 4	9262	1852.4	21.18	22.60	1.387	-0.12	0.789	1.094	
1st	WCDMA II_Ant 2	RMC 12.2Kbps	Back	10mm	Index 6	9262	1852.4	21.37	21.40	1.007	-0.08	0.883	0.889	-6.64%
2nd	WCDMA II_Ant 2	RMC 12.2Kbps	Back	10mm	Index 6	9262	1852.4	21.18	21.40	1.052	-0.12	0.789	0.830	
1st	WCDMA II_Ant 0	RMC 12.2Kbps	Back	10mm	Index 4	9538	1907.6	22.69	23.90	1.321	-0.07	0.905	1.196	-6.27%
2nd	WCDMA II_Ant 0	RMC 12.2Kbps	Back	10mm	Index 4	9538	1907.6	22.70	23.90	1.318	-0.12	0.850	1.121	
1st	WCDMA II_Ant 0	RMC 12.2Kbps	Back	10mm	Index 6	9538	1907.6	22.69	22.70	1.002	-0.07	0.905	0.907	-6.28%
2nd	WCDMA II_Ant 0	RMC 12.2Kbps	Back	10mm	Index 6	9538	1907.6	22.70	22.70	1.000	-0.12	0.850	0.850	
1st	WCDMA IV_Ant 2	RMC 12.2Kbps	Back	10mm	Index 4	1513	1752.6	22.80	24.00	1.318	-0.05	0.877	1.156	-14.53%
2nd	WCDMA IV_Ant 2	RMC 12.2Kbps	Back	10mm	Index 4	1513	1752.6	22.78	24.00	1.324	0.16	0.746	0.988	
1st	WCDMA IV_Ant 2	RMC 12.2Kbps	Back	10mm	Index 6	1513	1752.6	22.80	22.80	1.000	-0.05	0.877	0.877	-14.60%
2nd	WCDMA IV_Ant 2	RMC 12.2Kbps	Back	10mm	Index 6	1513	1752.6	22.78	22.80	1.005	0.16	0.746	0.749	
1st	WCDMA IV_Ant 0	RMC 12.2Kbps	Back	10mm	Index 4 / Index 6	1513	1752.6	24.14	24.70	1.138	-0.08	0.514	0.585	9.57%
2nd	WCDMA IV_Ant 0	RMC 12.2Kbps	Back	10mm	Index 4 / Index 6	1513	1752.6	23.74	24.70	1.247	-0.06	0.514	0.641	
1st	WCDMA V_Ant 0	RMC 12.2Kbps	Front	10mm	Index 4 / Index 6	4233	846.6	24.64	25.00	1.086	-0.03	0.259	0.281	26.33%
2nd	WCDMA V_Ant 0	RMC 12.2Kbps	Front	10mm	Index 4 / Index 6	4233	846.6	24.20	25.00	1.202	-0.14	0.295	0.355	
1st	LTE Band 7_Ant 2	20M_QPSK_1_99	Back	10mm	Index 4	21100	2535	20.19	21.50	1.352	-0.03	0.885	1.197	-16.96%
2nd	LTE Band 7_Ant 2	20M_QPSK_1_99	Back	10mm	Index 4	21100	2535	20.20	21.50	1.349	-0.15	0.737	0.994	
1st	LTE Band 7_Ant 2	20M_QPSK_1_99	Back	10mm	Index 6	21100	2535	20.19	20.30	1.026	-0.03	0.885	0.908	-16.96%
2nd	LTE Band 7_Ant 2	20M_QPSK_1_99	Back	10mm	Index 6	21100	2535	20.20	20.30	1.023	-0.15	0.737	0.754	
1st	LTE Band 7_Ant 0	20M_QPSK_1_0	Back	10mm	Index 4 / Index 6	21350	2560	23.02	24.00	1.253	-0.18	0.399	0.500	-16.80%
2nd	LTE Band 7_Ant 0	20M_QPSK_1_0	Back	10mm	Index 4 / Index 6	21350	2560	23.34	24.00	1.164	-0.12	0.357	0.416	
1st	LTE Band 12_Ant 0	10M_QPSK_1_0	Back	10mm	Index 4 / Index 6	23095	707.5	24.37	25.00	1.156	-0.04	0.270	0.312	0.00%
2nd	LTE Band 12_Ant 0	10M_QPSK_1_0	Back	10mm	Index 4 / Index 6	23095	707.5	23.95	25.00	1.274	-0.12	0.245	0.312	
1st	LTE Band 13_Ant 0	10M_QPSK_1_0	Front	10mm	Index 4 / Index 6	23230	782	24.23	25.00	1.194	-0.04	0.323	0.386	10.62%
2nd	LTE Band 13_Ant 0	10M_QPSK_1_0	Front	10mm	Index 4 / Index 6	23230	782	23.97	25.00	1.268	-0.06	0.337	0.427	
1st	LTE Band 14_Ant 0	10M_QPSK_1_0	Front	10mm	Index 4 / Index 6	23330	793	24.30	25.00	1.175	-0.02	0.328	0.385	10.39%
2nd	LTE Band 14_Ant 0	10M_QPSK_1_0	Front	10mm	Index 4 / Index 6	23330	793	24.08	25.00	1.236	-0.07	0.344	0.425	
1st	LTE Band 25_Ant 2	20M_QPSK_1_0	Back	10mm	Index 4	26340	1880	21.57	22.90	1.358	-0.19	0.881	1.197	-0.25%
2nd	LTE Band 25_Ant 2	20M_QPSK_1_0	Back	10mm	Index 4	26340	1880	21.70	22.90	1.318	-0.02	0.906	1.194	
1st	LTE Band 25_Ant 2	20M_QPSK_1_0	Back	10mm	Index 6	26340	1880	21.57	21.70	1.030	-0.19	0.881	0.908	-0.22%
2nd	LTE Band 25_Ant 2	20M_QPSK_1_0	Back	10mm	Index 6	26340	1880	21.70	21.70	1.000	-0.02	0.906	0.906	
1st	LTE Band 25_Ant 0	20M_QPSK_1_49	Back	10mm	Index 4	26590	1905	22.32	23.90	1.439	-0.12	0.744	1.070	-1.40%
2nd	LTE Band 25_Ant 0	20M_QPSK_1_49	Back	10mm	Index 4	26590	1905	22.29	23.90	1.449	-0.05	0.728	1.055	
1st	LTE Band 25_Ant 0	20M_QPSK_1_49	Back	10mm	Index 6	26590	1905	22.32	22.50	1.042	-0.12	0.744	0.775	-1.42%
2nd	LTE Band 25_Ant 0	20M_QPSK_1_49	Back	10mm	Index 6	26590	1905	22.29	22.50	1.050	-0.05	0.728	0.764	



No.	Band	Mode	Test Position	Gap (mm)	Output Power State	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)	Deviation %
1st	LTE Band 26_Ant 0	15M_QPSK_1_0	Front	10mm	Index 4 / Index 6	26865	831.5	24.22	25.00	1.197			-0.15	0.260	0.311	1.29%
2nd	LTE Band 26_Ant 0	15M_QPSK_1_0	Front	10mm	Index 4 / Index 6	26865	831.5	24.12	25.00	1.225			-0.04	0.257	0.315	
1st	LTE Band 30_Ant 2	10M_QPSK_1_0	Back	10mm	Index 4	27710	2310	21.08	22.60	1.419			-0.12	0.783	1.111	-4.86%
2nd	LTE Band 30_Ant 2	10M_QPSK_1_0	Back	10mm	Index 4	27710	2310	21.04	22.60	1.432			-0.18	0.738	1.057	
1st	LTE Band 30_Ant 2	10M_QPSK_1_0	Back	10mm	Index 6	27710	2310	21.08	21.50	1.102			-0.12	0.783	0.863	-4.98%
2nd	LTE Band 30_Ant 2	10M_QPSK_1_0	Back	10mm	Index 6	27710	2310	21.04	21.50	1.112			-0.18	0.738	0.820	
1st	LTE Band 30_Ant 0	10M_QPSK_1_0	Back	10mm	Index 4 / Index 6	27710	2310	23.72	24.40	1.169			-0.05	0.485	0.567	-6.70%
2nd	LTE Band 30_Ant 0	10M_QPSK_1_0	Back	10mm	Index 4 / Index 6	27710	2310	23.44	24.40	1.247			-0.01	0.424	0.529	
1st	LTE Band 41_Ant 2	20M_QPSK_1_99	Back	10mm	Index 4	40185	2549.5	22.78	23.40	1.153	62.9	1.006	-0.06	0.798	0.926	-2.38%
2nd	LTE Band 41_Ant 2	20M_QPSK_1_99	Back	10mm	Index 4	40185	2549.5	22.74	23.40	1.164	62.9	1.006	-0.16	0.772	0.904	
1st	LTE Band 41 HPUE_Ant 2	20M_QPSK_1_99	Back	10mm	Index 4	40185	2549.5	24.66	25.10	1.107	42.9	1.009	-0.05	0.759	0.847	-8.85%
2nd	LTE Band 41 HPUE_Ant 2	20M_QPSK_1_99	Back	10mm	Index 4	40185	2549.5	24.65	25.10	1.109	42.9	1.009	-0.13	0.690	0.772	
1st	LTE Band 41_Ant 2	20M_QPSK_1_99	Back	10mm	Index 6	40185	2549.5	22.78	23.20	1.102	62.9	1.006	-0.06	0.798	0.884	-3.62%
2nd	LTE Band 41_Ant 2	20M_QPSK_1_99	Back	10mm	Index 6	40185	2549.5	22.74	23.20	1.112	62.9	1.006	-0.16	0.762	0.852	
1st	LTE Band 41 HPUE_Ant 2	20M_QPSK_1_99	Back	10mm	Index 6	40185	2549.5	24.66	24.90	1.057	42.9	1.009	-0.15	0.776	0.827	-10.88%
2nd	LTE Band 41 HPUE_Ant 2	20M_QPSK_1_99	Back	10mm	Index 6	40185	2549.5	24.65	24.90	1.059	42.9	1.009	-0.13	0.690	0.737	
1st	LTE Band 41_Ant 0	20M_QPSK_1_99	Back	10mm	Index 4 / Index 6	40185	2549.5	22.75	23.20	1.109	62.9	1.006	0.02	0.293	0.327	20.49%
2nd	LTE Band 41_Ant 0	20M_QPSK_1_99	Back	10mm	Index 4 / Index 6	40185	2549.5	22.30	23.20	1.230	62.9	1.006	-0.11	0.318	0.394	
1st	LTE Band 41 HPUE_Ant 0	20M_QPSK_1_99	Back	10mm	Index 4 / Index 6	40185	2549.5	25.66	26.50	1.213	42.9	1.009	0.09	0.387	0.474	21.94%
2nd	LTE Band 41 HPUE_Ant 0	20M_QPSK_1_99	Back	10mm	Index 4 / Index 6	40185	2549.5	25.19	26.50	1.352	42.9	1.009	-0.17	0.424	0.578	
1st	LTE Band 48_Ant 6	20M_QPSK_1_0	Back	10mm	Index 4 / Index 6	56640	3690	23.28	24.00	1.180	62.9	1.006	0.06	0.435	0.517	23.79%
2nd	LTE Band 48_Ant 6	20M_QPSK_1_0	Back	10mm	Index 4 / Index 6	56640	3690	22.81	24.00	1.315	62.9	1.006	0.03	0.484	0.640	
1st	LTE Band 48_Ant 2	20M_QPSK_1_0	Back	10mm	Index 4 / Index 6	56640	3690	23.15	24.50	1.365	62.9	1.006	-0.17	0.326	0.448	-11.16%
2nd	LTE Band 48_Ant 2	20M_QPSK_1_0	Back	10mm	Index 4 / Index 6	56640	3690	23.05	24.50	1.396	62.9	1.006	-0.02	0.283	0.398	
1st	LTE Band 66_Ant 2	20M_QPSK_100_0	Back	10mm	Index 4	132572	1770	22.24	23.60	1.368			-0.13	0.769	1.052	-10.17%
2nd	LTE Band 66_Ant 2	20M_QPSK_100_0	Back	10mm	Index 4	132572	1770	22.37	23.60	1.327			-0.02	0.712	0.945	
1st	LTE Band 66_Ant 2	20M_QPSK_100_0	Back	10mm	Index 6	132572	1770	22.24	22.40	1.038			-0.13	0.769	0.798	-10.15%
2nd	LTE Band 66_Ant 2	20M_QPSK_100_0	Back	10mm	Index 6	132572	1770	22.37	22.40	1.007			-0.02	0.712	0.717	
1st	LTE Band 66_Ant 0	20M_QPSK_1_0	Back	10mm	Index 4 / Index 6	132322	1745	23.68	24.70	1.265			-0.02	0.418	0.529	17.96%
2nd	LTE Band 66_Ant 0	20M_QPSK_1_0	Back	10mm	Index 4 / Index 6	132322	1745	23.26	24.70	1.393			-0.1	0.448	0.624	
1st	LTE Band 71_Ant 0	20M_QPSK_1_0	Front	10mm	Index 4 / Index 6	133322	683	24.35	25.00	1.161			-0.09	0.294	0.341	0.88%
2nd	LTE Band 71_Ant 0	20M_QPSK_1_0	Front	10mm	Index 4 / Index 6	133322	683	24.07	25.00	1.239			-0.1	0.278	0.344	
1st	FR1 n5_Ant 0	20M_BPSK_50_28	Front	10mm	Index 4 / Index 6	167300	836.5	24.71	25.00	1.069			-0.07	0.241	0.258	6.59%
2nd	FR1 n5_Ant 0	20M_BPSK_50_28	Front	10mm	Index 4 / Index 6	167300	836.5	24.31	25.00	1.172			-0.03	0.235	0.275	
1st	FR1 n7_Ant 2	20M_BPSK_1_53	Back	10mm	Index 4	507000	2535	21.68	22.00	1.076			-0.07	1.110	1.195	-9.21%
2nd	FR1 n7_Ant 2	20M_BPSK_1_53	Back	10mm	Index 4	507000	2535	21.69	22.00	1.074			-0.05	1.010	1.085	
1st	FR1 n7_Ant 2	20M_BPSK_50_0	Back	10mm	Index 6	507000	2535	20.65	20.80	1.035			-0.14	0.878	0.909	-5.06%
2nd	FR1 n7_Ant 2	20M_BPSK_50_0	Back	10mm	Index 6	507000	2535	20.37	20.80	1.104			-0.01	0.782	0.863	
1st	FR1 n7_Ant 0	20M_BPSK_1_53	Front	10mm	Index 4 / Index 6	512000	2560	23.19	24.00	1.205			-0.11	0.338	0.407	23.83%
2nd	FR1 n7_Ant 0	20M_BPSK_1_53	Front	10mm	Index 4 / Index 6	512000	2560	23.47	24.00	1.130			-0.04	0.446	0.504	
1st	FR1 n12_Ant 0	15M_BPSK_1_77	Front	10mm	Index 4 / Index 6	141500	707.5	24.70	25.00	1.072			-0.09	0.295	0.316	10.44%
2nd	FR1 n12_Ant 0	15M_BPSK_1_77	Front	10mm	Index 4 / Index 6	141500	707.5	24.33	25.00	1.167			-0.06	0.299	0.349	



No.	Band	Mode	Test Position	Gap (mm)	Output Power State	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)	Deviation %
1st	FR1 n25_Ant 2	20M_BPSK_1_53	Back	10mm	Index 4	376500	1882.5	22.23	22.30	1.016	-0.05	1.150	1.169	-10.61%
2nd	FR1 n25_Ant 2	20M_BPSK_1_53	Back	10mm	Index 4	376500	1882.5	22.28	22.30	1.005	-0.03	1.040	1.045	
1st	FR1 n25_Ant 2	20M_BPSK_1_53	Back	10mm	Index 6	376500	1882.5	21.02	21.10	1.019	0.18	0.893	0.910	-14.29%
2nd	FR1 n25_Ant 2	20M_BPSK_1_53	Back	10mm	Index 6	376500	1882.5	20.48	21.10	1.153	-0.06	0.676	0.780	
1st	FR1 n25_Ant 0	20M_BPSK_50_28	Back	10mm	Index 4	381000	1905	22.77	23.90	1.297	-0.09	0.801	1.039	-1.44%
2nd	FR1 n25_Ant 0	20M_BPSK_50_28	Back	10mm	Index 4	381000	1905	23.29	23.90	1.151	-0.04	0.890	1.024	
1st	FR1 n25_Ant 0	20M_BPSK_50_28	Back	10mm	Index 6	381000	1905	21.81	22.70	1.227	-0.01	0.651	0.799	-13.14%
2nd	FR1 n25_Ant 0	20M_BPSK_50_28	Back	10mm	Index 6	381000	1905	22.25	22.70	1.109	-0.06	0.626	0.694	
1st	FR1 n30_Ant 2	10M_BPSK_1_26	Back	10mm	Index 4	462000	2310	22.80	22.80	1.000	0.02	1.120	1.120	-8.48%
2nd	FR1 n30_Ant 2	10M_BPSK_1_26	Back	10mm	Index 4	462000	2310	22.65	22.80	1.035	-0.04	0.990	1.025	
1st	FR1 n30_Ant 2	10M_BPSK_1_26	Back	10mm	Index 6	462000	2310	21.60	21.60	1.000	-0.05	0.906	0.906	-3.42%
2nd	FR1 n30_Ant 2	10M_BPSK_1_26	Back	10mm	Index 6	462000	2310	21.52	21.60	1.019	-0.01	0.859	0.875	
1st	FR1 n30_Ant 0	10M_BPSK_25_14	Back	10mm	Index 4 / Index 6	462000	2310	23.25	24.40	1.303	-0.02	0.350	0.456	17.54%
2nd	FR1 n30_Ant 0	10M_BPSK_25_14	Back	10mm	Index 4 / Index 6	462000	2310	23.70	24.40	1.175	-0.13	0.456	0.536	
1st	FR1 n66_Ant 2	40M_BPSK_1_108	Back	10mm	Index 4	349000	1745	23.47	24.70	1.327	-0.03	0.803	1.066	-0.19%
2nd	FR1 n66_Ant 2	40M_BPSK_1_108	Back	10mm	Index 4	349000	1745	23.38	24.70	1.355	-0.05	0.785	1.064	
1st	FR1 n66_Ant 2	40M_BPSK_216_0	Back	10mm	Index 6	349000	1745	23.06	23.50	1.107	-0.02	0.742	0.821	-3.65%
2nd	FR1 n66_Ant 2	40M_BPSK_216_0	Back	10mm	Index 6	349000	1745	23.05	23.50	1.109	-0.09	0.713	0.791	
1st	FR1 n66_Ant 0	40M_BPSK_108_54	Back	10mm	Index 4 / Index 6	349000	1745	24.05	24.70	1.161	-0.01	0.476	0.553	4.70%
2nd	FR1 n66_Ant 0	40M_BPSK_108_54	Back	10mm	Index 4 / Index 6	349000	1745	23.40	24.70	1.349	-0.09	0.429	0.579	
1st	FR1 n71_Ant 0	20M_BPSK_1_53	Front	10mm	Index 4 / Index 6	136100	680.5	24.80	25.00	1.047	-0.09	0.215	0.225	17.33%
2nd	FR1 n71_Ant 0	20M_BPSK_1_53	Front	10mm	Index 4 / Index 6	136100	680.5	24.42	25.00	1.143	-0.17	0.231	0.264	
1st	FR1 n77_Ant 6	100M_BPSK_1_1	Back	10mm	Index 4 / Index 6	656000	3840	22.51	22.80	1.069	0.07	0.641	0.685	-0.15%
2nd	FR1 n77_Ant 6	100M_BPSK_1_1	Back	10mm	Index 4 / Index 6	656000	3840	22.23	22.80	1.140	-0.17	0.600	0.684	
1st	FR1 n77_HPUE_Ant 6	100M_BPSK_1_1	Back	10mm	Index 4 / Index 6	656000	3840	24.40	25.80	1.380	0.04	0.449	0.620	15.16%
2nd	FR1 n77_HPUE_Ant 6	100M_BPSK_1_1	Back	10mm	Index 4 / Index 6	656000	3840	24.14	25.80	1.466	-0.01	0.487	0.714	
1st	FR1 n77_Ant 6	100M_BPSK_135_69	Front	10mm	Index 4 / Index 6	633332	3499.98	22.02	22.80	1.197	0	0.638	0.764	-14.79%
2nd	FR1 n77_Ant 6	100M_BPSK_135_69	Front	10mm	Index 4 / Index 6	633332	3499.98	21.97	22.80	1.211	-0.01	0.538	0.651	
1st	FR1 n77_HPUE_Ant 6	100M_BPSK_135_69	Front	10mm	Index 4 / Index 6	633332	3499.98	23.98	25.80	1.521	0.02	0.467	0.710	5.21%
2nd	FR1 n77_HPUE_Ant 6	100M_BPSK_135_69	Front	10mm	Index 4 / Index 6	633332	3499.98	23.90	25.80	1.549	0.07	0.482	0.747	
1st	FR1 n77_Ant 2	100M_BPSK_1_1	Front	10mm	Index 4 / Index 6	656000	3840	22.86	23.10	1.057	-0.17	0.323	0.341	19.06%
2nd	FR1 n77_Ant 2	100M_BPSK_1_1	Front	10mm	Index 4 / Index 6	656000	3840	22.91	23.10	1.045	-0.12	0.389	0.406	
1st	FR1 n77_HPUE_Ant 2	100M_BPSK_1_1	Front	10mm	Index 4 / Index 6	656000	3840	25.91	26.10	1.045	-0.06	0.418	0.437	19.22%
2nd	FR1 n77_HPUE_Ant 2	100M_BPSK_1_1	Front	10mm	Index 4 / Index 6	656000	3840	25.98	26.10	1.028	0.06	0.507	0.521	
1st	FR1 n77_Ant 2	100M_BPSK_1_1	Front	10mm	Index 4 / Index 6	633332	3499.98	22.03	23.10	1.279	0.05	0.574	0.734	-13.76%
2nd	FR1 n77_Ant 2	100M_BPSK_1_1	Front	10mm	Index 4 / Index 6	633332	3499.98	22.00	23.10	1.288	0.18	0.491	0.633	
1st	FR1 n77_HPUE_Ant 2	100M_BPSK_1_1	Front	10mm	Index 4 / Index 6	633332	3499.98	26.00	26.10	1.023	0.02	0.576	0.589	-0.17%
2nd	FR1 n77_HPUE_Ant 2	100M_BPSK_1_1	Front	10mm	Index 4 / Index 6	633332	3499.98	25.90	26.10	1.047	0.06	0.562	0.588	



3.4 Product Specific SAR

No.	Band	Mode	Test Position	Gap (mm)	Output Power State	Ch.	Freq. (MHz)	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)	Deviation %
1st	GSM1900_Ant 0	GPRS (4 Tx slots)	Bottom Side	0mm	Index 4 / Index 6	810	1909.8	26.30	27.70	1.380	-0.13	0.689	0.951	2.21%
2nd	GSM1900_Ant 0	GPRS (4 Tx slots)	Bottom Side	0mm	Index 4 / Index 6	810	1909.8	26.00	27.70	1.479	0.09	0.657	0.972	
1st	WCDMA II_Ant 2	RMC 12.2Kbps	Bottom Side	0mm	Index 4 / Index 6	9262	1852.4	21.37	22.60	1.327	-0.14	1.480	1.965	-3.31%
2nd	WCDMA II_Ant 2	RMC 12.2Kbps	Bottom Side	0mm	Index 4 / Index 6	9262	1852.4	21.18	22.60	1.387	-0.13	1.370	1.900	
1st	WCDMA II_Ant 0	RMC 12.2Kbps	Bottom Side	0mm	Index 4 / Index 6	9400	1880	22.69	23.90	1.321	-0.1	0.756	0.999	-1.80%
2nd	WCDMA II_Ant 0	RMC 12.2Kbps	Bottom Side	0mm	Index 4 / Index 6	9400	1880	22.83	23.90	1.279	-0.18	0.767	0.981	
1st	WCDMA IV_Ant 2	RMC 12.2Kbps	Bottom Side	0mm	Index 4 / Index 6	1513	1752.6	22.80	24.00	1.318	-0.06	1.930	2.544	-5.78%
2nd	WCDMA IV_Ant 2	RMC 12.2Kbps	Bottom Side	0mm	Index 4 / Index 6	1513	1752.6	22.78	24.00	1.324	-0.02	1.810	2.397	
1st	LTE Band 7_Ant 2	20M_QPSK_50_50	Bottom Side	0mm	Index 4 / Index 6	21350	2560	20.26	21.50	1.330	-0.12	2.120	2.821	-23.47%
2nd	LTE Band 7_Ant 2	20M_QPSK_50_50	Bottom Side	0mm	Index 4 / Index 6	21350	2560	20.28	21.50	1.324	-0.02	1.630	2.159	
1st	LTE Band 25_Ant 2	20M_QPSK_1_49	Bottom Side	0mm	Index 4 / Index 6	26140	1860	21.61	22.90	1.346	-0.07	1.520	2.046	-5.08%
2nd	LTE Band 25_Ant 2	20M_QPSK_1_49	Bottom Side	0mm	Index 4 / Index 6	26140	1860	21.57	22.90	1.358	-0.1	1.430	1.942	
1st	LTE Band 30_Ant 2	10M_QPSK_1_0	Bottom Side	0mm	Index 4 / Index 6	27710	2310	21.08	22.60	1.419	0.17	1.760	2.498	-4.24%
2nd	LTE Band 30_Ant 2	10M_QPSK_1_0	Bottom Side	0mm	Index 4 / Index 6	27710	2310	21.04	22.60	1.432	-0.02	1.670	2.392	
1st	LTE Band 66_Ant 2	20M_QPSK_1_49	Bottom Side	0mm	Index 4 / Index 6	132572	1770	22.40	23.60	1.318	-0.12	1.880	2.478	-32.24%
2nd	LTE Band 66_Ant 2	20M_QPSK_1_49	Bottom Side	0mm	Index 4 / Index 6	132572	1770	23.28	23.60	1.076	-0.12	1.560	1.679	
1st	FR1 n7_Ant 2	20M_BPSK_50_0	Bottom Side	0mm	Index 4 / Index 6	507000	2535	21.55	22.00	1.109	-0.16	2.240	2.485	-4.75%
2nd	FR1 n7_Ant 2	20M_BPSK_50_0	Bottom Side	0mm	Index 4 / Index 6	507000	2535	21.46	22.00	1.132	0.04	2.090	2.367	
1st	FR1 n25_Ant 2	20M_BPSK_50_28	Bottom Side	0mm	Index 4 / Index 6	372000	1860	22.29	22.30	1.002	-0.03	1.830	1.834	-0.38%
2nd	FR1 n25_Ant 2	20M_BPSK_50_28	Bottom Side	0mm	Index 4 / Index 6	372000	1860	22.21	22.30	1.021	0.07	1.790	1.827	
1st	FR1 n30_Ant 2	10M_BPSK_50_0	Bottom Side	0mm	Index 4 / Index 6	462000	2310	22.68	22.80	1.028	-0.19	2.350	2.416	-3.56%
2nd	FR1 n30_Ant 2	10M_BPSK_50_0	Bottom Side	0mm	Index 4 / Index 6	462000	2310	22.55	22.80	1.059	0.04	2.200	2.330	
1st	FR1 n66_Ant 2	40M_BPSK_108_54	Bottom Side	0mm	Index 4 / Index 6	349000	1745	23.41	24.70	1.346	0.09	2.040	2.746	-1.86%
2nd	FR1 n66_Ant 2	40M_BPSK_108_54	Bottom Side	0mm	Index 4 / Index 6	349000	1745	23.25	24.70	1.396	-0.07	1.930	2.695	



4. Reference Section

Rule Part	Equipment Class	Wireless Technology	Frequency Band (MHz)	Reference FCC ID (Parent)	Type Grant/ Permissive Change	Reference Title	FCC ID Filling (Variant)
2.1093 22, 24, 27, 90, 96	PCE CBE	GSM	GSM 850/1900	A4RG9S9B	Original Grant	FA0D2942-04C	A4RGB7N6
		WCDMA	Band II, IV, V	A4RG9S9B	Original Grant	FA0D2942-04C	A4RGB7N6
		LTE	2/4/5/7/12/13 /14/17/25/26 /30/38/41 /48/66/71 ULCA 5B/7C/ 41C/66B/66C	A4RG9S9B	Original Grant	FA0D2942-04C	A4RGB7N6
		NR	n2/n5/n7/ n12/n25/n30/ n38/n41/n66/ n71/n77	A4RG9S9B	Original Grant	FA0D2942-04C	A4RGB7N6

Remark: SAR data for WWAN antenna 0/2/6 is referenced from A4RG9S9B SAR test report

Conclusion:

The spot check results don't show the SAR increase more than 30%, and all below 1.2W/kg for 1-g SAR, below 3W/kg for 10-g SAR. Referring to the guidance in the KDB inquiry, SAR data reuse is justified.

END of this report