



FCC SAR Test Report

Report No. : FA292212

	LTE Band 66 (4)	20M	QPSK	1	0	-	Front	0mm	Ant0	Reduced	132072	1720	1	20.46	22.00	1.426	0.08	2.28	3.253
	LTE Band 66 (4)	20M	QPSK	1	0	-	Front	0mm	Ant0	Reduced	132572	1770	1	20.46	22.00	1.426	0.01	2.31	3.297
	LTE Band 66 (4)	20M	QPSK	50	0	-	Front	0mm	Ant0	Reduced	132322	1745	1	20.55	22.00	1.396	0.09	1.95	2.726
	LTE Band 66 (4)	20M	QPSK	50	0	-	Front	0mm	Ant0	Reduced	132072	1720	1	20.34	22.00	1.466	0.02	2.21	3.243
	LTE Band 66 (4)	20M	QPSK	50	0	-	Front	0mm	Ant0	Reduced	132572	1770	1	20.43	22.00	1.435	0.06	2.29	3.293
	LTE Band 66 (4)	20M	QPSK	100	0	-	Front	0mm	Ant0	Reduced	132322	1745	1	20.54	22.00	1.400	0.02	1.97	2.759
	LTE Band 66 (4)	20M	QPSK	1	0	-	Back	0mm	Ant0	Reduced	132322	1745	1	20.59	22.00	1.384	-0.14	1.87	2.590
	LTE Band 66 (4)	20M	QPSK	1	0	-	Back	0mm	Ant0	Reduced	132072	1720	1	20.46	22.00	1.426	0.04	1.72	2.446
	LTE Band 66 (4)	20M	QPSK	1	0	-	Back	0mm	Ant0	Reduced	132572	1770	1	20.46	22.00	1.426	0.15	2.23	3.173
	LTE Band 66 (4)	20M	QPSK	50	0	-	Back	0mm	Ant0	Reduced	132322	1745	1	20.55	22.00	1.396	0.07	1.85	2.587
	LTE Band 66 (4)	20M	QPSK	50	0	-	Back	0mm	Ant0	Reduced	132072	1720	1	20.34	22.00	1.466	-0.15	1.65	2.424
	LTE Band 66 (4)	20M	QPSK	50	0	-	Back	0mm	Ant0	Reduced	132572	1770	1	20.43	22.00	1.435	0.06	2.15	3.088
	LTE Band 66 (4)	20M	QPSK	100	0	-	Back	0mm	Ant0	Reduced	132322	1745	1	20.54	22.00	1.400	-0.14	1.85	2.585
	LTE Band 66 (4)	20M	QPSK	1	0	-	Bottom Side	0mm	Ant0	Reduced	132322	1745	1	20.59	22.00	1.384	-0.03	1.70	2.358
	LTE Band 66 (4)	20M	QPSK	1	0	-	Bottom Side	0mm	Ant0	Reduced	132072	1720	1	20.46	22.00	1.426	0.09	1.71	2.438
	LTE Band 66 (4)	20M	QPSK	1	0	-	Bottom Side	0mm	Ant0	Reduced	132572	1770	1	20.46	22.00	1.426	0.01	1.01	1.444
	LTE Band 66 (4)	20M	QPSK	50	0	-	Bottom Side	0mm	Ant0	Reduced	132322	1745	1	20.55	22.00	1.396	0.05	1.67	2.326
	LTE Band 66 (4)	20M	QPSK	50	0	-	Bottom Side	0mm	Ant0	Reduced	132072	1720	1	20.34	22.00	1.466	0.03	1.62	2.379
	LTE Band 66 (4)	20M	QPSK	50	0	-	Bottom Side	0mm	Ant0	Reduced	132572	1770	1	20.43	22.00	1.435	0.06	1.03	1.473
	LTE Band 66 (4)	20M	QPSK	100	0	-	Bottom Side	0mm	Ant0	Reduced	132322	1745	1	20.54	22.00	1.400	0.04	1.59	2.218
	LTE Band 66 (4)	20M	QPSK	1	0	-	Front	16mm	Ant0	Full Power	132322	1745	1	22.61	24.00	1.377	0.05	0.346	0.477
	LTE Band 66 (4)	20M	QPSK	1	0	-	Back	23mm	Ant0	Full Power	132572	1770	1	22.54	24.00	1.400	0.15	0.217	0.304
	LTE Band 66 (4)	20M	QPSK	1	0	-	Bottom Side	17mm	Ant0	Full Power	132072	1720	1	22.42	24.00	1.439	0.09	0.360	0.518
	LTE Band 66 (4)	20M	QPSK	1	0	-	Back	0mm	Ant4	Full Power	132322	1745	1	21.29	23.00	1.483	0.05	1.15	1.699
	LTE Band 66 (4)	20M	QPSK	50	0	-	Back	0mm	Ant4	Full Power	132322	1745	1	20.43	22.00	1.435	0.04	0.95	1.369
	LTE Band 66 (4)	20M	QPSK	1	0	-	Top Side	0mm	Ant4	Full Power	132322	1745	1	21.29	23.00	1.483	0.06	1.28	1.898
	LTE_CA_66C	20M	QPSK	1	99		Top Side	0mm	Ant4	Full Power	132322+ 132520	1745+ 1764.8	1	21.10	22.50	1.380	0.01	1.08	1.491
	LTE Band 66 (4) ENDC	20M	QPSK	1	0	-	Top Side	0mm	Ant4	Reduced	132322	1745	1	20.34	21.50	1.306	0.03	1.02	1.332
	LTE_CA_66C	20M	QPSK	1	0		Top Side	0mm	Ant4	Reduced	132572+ 132374	1770+ 1750	1	20.20	21.50	1.349	0.06	0.95	1.277
	LTE Band 66 (4)	20M	QPSK	50	0	-	Top Side	0mm	Ant4	Full Power	132322	1745	1	20.43	22.00	1.435	0.14	1.01	1.450
1900MHz																			
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Front	0mm	Ant0	Reduced	661	1880	1	27.92	29.00	1.282	-0.13	2.34	2.997
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Front	0mm	Ant0	Reduced	512	1850.2	1	27.85	29.00	1.303	-0.17	2.27	2.956
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Front	0mm	Ant0	Reduced	810	1909.8	1	27.88	29.00	1.294	0.03	2.22	2.867
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Back	0mm	Ant0	Reduced	661	1880	1	27.92	29.00	1.282	0.02	1.97	2.524
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Back	0mm	Ant0	Reduced	810	1909.8	1	27.85	29.00	1.303	0.06	1.96	2.548
103	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Back	0mm	Ant0	Reduced	512	1850.2	1	27.88	29.00	1.294	0.04	2.52	3.261
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Bottom Side	0mm	Ant0	Reduced	661	1880	1	27.92	29.00	1.282	-0.18	1.54	1.968
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Bottom Side	0mm	Ant0	Reduced	512	1850.2	1	27.85	29.00	1.303	-0.08	1.98	2.578
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Bottom Side	0mm	Ant0	Reduced	810	1909.8	1	27.88	29.00	1.294	0.02	1.15	1.482
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Front	16mm	Ant0	Full Power	661	1880	1	28.41	29.50	1.285	0.06	0.224	0.288
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Back	23mm	Ant0	Full Power	512	1850.2	1	28.47	29.50	1.268	0.08	0.201	0.255
	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Bottom Side	17mm	Ant0	Full Power	512	1850.2	1	28.47	29.50	1.268	0.01	0.527	0.668
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant0	Reduced	9400	1880	1	20.32	21.50	1.312	0.07	2.22	2.910
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant0	Reduced	9262	1852.4	1	20.29	21.50	1.321	-0.07	2.21	2.915
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant0	Reduced	9538	1907.6	1	20.23	21.50	1.340	0.02	1.91	2.552
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant0	Reduced	9400	1880	1	20.32	21.50	1.312	0.08	2.09	2.748
104	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant0	Reduced	9262	1852.4	1	20.29	21.50	1.321	-0.07	2.64	3.488
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant0	Reduced	9262	1852.4	3	20.29	21.50	1.321	0.04	2.10	2.775
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant0	Reduced	9262	1852.4	4	20.29	21.50	1.321	0.07	2.20	2.907
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant0	Reduced	9538	1907.6	1	20.23	21.50	1.340	0.02	2.08	2.789
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant0	Reduced	9400	1880	1	20.32	21.50	1.312	0.14	1.55	2.027
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant0	Reduced	9262	1852.4	1	20.29	21.50	1.321	0.17	1.92	2.533
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	0mm	Ant0	Reduced	9538	1907.6	1	20.23	21.50	1.340	-0.05	1.40	1.873
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Front	16mm	Ant0	Full Power	9262	1852.4	1	22.80	24.00	1.318	0.06	0.311	0.410

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	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	23mm	Ant0	Full Power	9262	1852.4	1	22.80	24.00	1.318	0.08	0.230	0.303
	WCDMA II	-	-	-	-	RMC 12.2Kbps	Bottom Side	17mm	Ant0	Full Power	9262	1852.4	1	22.80	24.00	1.318	0.02	0.722	0.952
105	FR1 n25 (2)	40M	QPSK	1	108	DFT-SCS-15KHz	Front	0mm	Ant0	Reduced	376500	1882.5	1	22.37	23.50	1.297	-0.09	2.10	2.723
	FR1 n25 (2)	40M	QPSK	108	54	DFT-SCS-15KHz	Front	0mm	Ant0	Reduced	376500	1882.5	1	22.24	23.50	1.337	0	2.52	3.368
	FR1 n25 (2) NSA	40M	QPSK	108	54	DFT-SCS-15KHz	Front	0mm	Ant0	Reduced	376500	1882.5	1	19.83	21.00	1.309	0.06	1.47	1.924
	FR1 n25 (2)	40M	QPSK	216	0	DFT-SCS-15KHz	Front	0mm	Ant0	Reduced	376500	1882.5	1	22.23	23.50	1.340	-0.02	2.49	3.329
	FR1 n25 (2)	40M	QPSK	1	108	DFT-SCS-15KHz	Back	0mm	Ant0	Reduced	376500	1882.5	1	22.37	23.50	1.297	0.02	1.87	2.426
	FR1 n25 (2)	40M	QPSK	108	54	DFT-SCS-15KHz	Back	0mm	Ant0	Reduced	376500	1882.5	1	22.24	23.50	1.337	0.08	2.16	2.887
	FR1 n25 (2)	40M	QPSK	216	0	DFT-SCS-15KHz	Back	0mm	Ant0	Reduced	376500	1882.5	1	22.23	23.50	1.340	-0.07	2.07	2.776
	FR1 n25 (2)	40M	QPSK	1	108	DFT-SCS-15KHz	Bottom Side	0mm	Ant0	Reduced	376500	1882.5	1	22.37	23.50	1.297	0.01	1.64	2.130
	FR1 n25 (2)	40M	QPSK	108	54	DFT-SCS-15KHz	Bottom Side	0mm	Ant0	Reduced	376500	1882.5	1	22.24	23.50	1.337	0.07	1.73	2.312
	FR1 n25 (2)	40M	QPSK	216	0	DFT-SCS-15KHz	Bottom Side	0mm	Ant0	Reduced	376500	1882.5	1	22.23	23.50	1.340	0.05	1.60	2.141
	FR1 n25 (2)	40M	QPSK	1	108	DFT-SCS-15KHz	Front	16mm	Ant0	Full Power	376500	1882.5	1	22.89	24.00	1.291	0.06	0.178	0.230
	FR1 n25 (2)	40M	QPSK	108	54	DFT-SCS-15KHz	Front	16mm	Ant0	Full Power	376500	1882.5	1	22.72	24.00	1.343	0.08	0.171	0.230
	FR1 n25 (2)	40M	QPSK	1	108	DFT-SCS-15KHz	Back	23mm	Ant0	Full Power	376500	1882.5	1	22.89	24.00	1.291	0.02	0.165	0.213
	FR1 n25 (2)	40M	QPSK	108	54	DFT-SCS-15KHz	Back	23mm	Ant0	Full Power	376500	1882.5	1	22.72	24.00	1.343	0.06	0.147	0.197
	FR1 n25 (2)	40M	QPSK	1	108	DFT-SCS-15KHz	Bottom Side	17mm	Ant0	Full Power	376500	1882.5	1	22.89	24.00	1.291	-0.06	0.437	0.564
	FR1 n25 (2)	40M	QPSK	108	54	DFT-SCS-15KHz	Bottom Side	17mm	Ant0	Full Power	376500	1882.5	1	22.72	24.00	1.343	0.05	0.427	0.573
	FR1 n25 (2)	40M	QPSK	1	108	DFT-SCS-15KHz	Back	0mm	Ant4	Full Power	376500	1882.5	1	21.88	23.00	1.294	-0.15	1.19	1.536
	FR1 n25 (2)	40M	QPSK	108	54	DFT-SCS-15KHz	Back	0mm	Ant4	Full Power	376500	1882.5	1	21.54	23.00	1.400	-0.05	1.45	2.029
	FR1 n25 (2)	40M	QPSK	216	0	DFT-SCS-15KHz	Back	0mm	Ant4	Full Power	376500	1882.5	1	21.47	23.00	1.422	0.03	1.35	1.920
	FR1 n25 (2) NSA	40M	QPSK	108	54	DFT-SCS-15KHz	Back	0mm	Ant4	Reduced	376500	1882.5	1	20.55	22.00	1.396	0.04	1.10	1.536
	LTE Band 25 (2)	20M	QPSK	1	0	-	Front	0mm	Ant0	Reduced	26340	1880	1	19.98	21.50	1.419	0.08	2.13	3.027
	LTE Band 25 (2)	20M	QPSK	1	0	-	Front	0mm	Ant0	Reduced	26140	1860	1	19.93	21.50	1.435	0.17	2.05	2.937
	LTE Band 25 (2)	20M	QPSK	1	0	-	Front	0mm	Ant0	Reduced	26590	1905	1	19.77	21.50	1.489	0.06	2.07	3.083
	LTE Band 25 (2)	20M	QPSK	50	0	-	Front	0mm	Ant0	Reduced	26340	1880	1	19.89	21.50	1.449	0.12	1.77	2.561
	LTE Band 25 (2)	20M	QPSK	50	0	-	Front	0mm	Ant0	Reduced	26140	1860	1	19.87	21.50	1.455	0.09	1.73	2.515
	LTE Band 25 (2)	20M	QPSK	50	0	-	Front	0mm	Ant0	Reduced	26590	1905	1	19.88	21.50	1.452	0.07	1.76	2.559
	LTE Band 25 (2)	20M	QPSK	100	0	-	Front	0mm	Ant0	Reduced	26340	1880	1	19.85	21.50	1.462	0.05	1.76	2.569
	LTE Band 25 (2)	20M	QPSK	1	0	-	Back	0mm	Ant0	Reduced	26340	1880	1	19.98	21.50	1.419	0.05	1.97	2.788
106	LTE Band 25 (2)	20M	QPSK	1	0	-	Back	0mm	Ant0	Reduced	26140	1860	1	19.93	21.50	1.435	0.03	2.40	3.445
	LTE Band 25 (2) ENDC	20M	QPSK	1	0	-	Back	0mm	Ant0	Reduced	26140	1860	1	17.42	19.00	1.439	0.02	1.36	1.957
	LTE Band 25 (2)	20M	QPSK	1	0	-	Back	0mm	Ant0	Reduced	26590	1905	1	19.77	21.50	1.489	0.04	1.79	2.667
	LTE Band 25 (2)	20M	QPSK	50	0	-	Back	0mm	Ant0	Reduced	26340	1880	1	19.89	21.50	1.449	0.16	1.56	2.259
	LTE Band 25 (2)	20M	QPSK	50	0	-	Back	0mm	Ant0	Reduced	26140	1860	1	19.87	21.50	1.455	0.09	2.03	2.953
	LTE Band 25 (2)	20M	QPSK	50	0	-	Back	0mm	Ant0	Reduced	26590	1905	1	19.88	21.50	1.452	0.07	1.39	2.013
	LTE Band 25 (2)	20M	QPSK	100	0	-	Back	0mm	Ant0	Reduced	26340	1880	1	19.85	21.50	1.462	-0.17	1.53	2.237
	LTE Band 25 (2)	20M	QPSK	1	0	-	Bottom Side	0mm	Ant0	Reduced	26340	1880	1	19.98	21.50	1.419	0.02	1.53	2.164
	LTE Band 25 (2)	20M	QPSK	1	0	-	Bottom Side	0mm	Ant0	Reduced	26140	1860	1	19.93	21.50	1.435	0.06	1.82	2.613
	LTE Band 25 (2)	20M	QPSK	1	0	-	Bottom Side	0mm	Ant0	Reduced	26590	1905	1	19.77	21.50	1.489	0.04	1.32	1.960
	LTE Band 25 (2)	20M	QPSK	50	0	-	Bottom Side	0mm	Ant0	Reduced	26340	1880	1	19.89	21.50	1.449	0.01	1.19	1.730
	LTE Band 25 (2)	20M	QPSK	50	0	-	Bottom Side	0mm	Ant0	Reduced	26140	1860	1	19.87	21.50	1.455	0.1	1.50	2.185
	LTE Band 25 (2)	20M	QPSK	50	0	-	Bottom Side	0mm	Ant0	Reduced	26590	1905	1	19.88	21.50	1.452	-0.12	1.01	1.465
	LTE Band 25 (2)	20M	QPSK	100	0	-	Bottom Side	0mm	Ant0	Reduced	26340	1880	1	19.85	21.50	1.462	0.18	1.17	1.712
	LTE Band 25 (2)	20M	QPSK	1	0	-	Front	16mm	Ant0	Full Power	26590	1905	1	22.37	24.00	1.455	0.06	0.285	0.415
	LTE Band 25 (2)	20M	QPSK	1	0	-	Back	23mm	Ant0	Full Power	26140	1860	1	22.40	24.00	1.445	0.03	0.222	0.321
	LTE Band 25 (2)	20M	QPSK	1	0	-	Bottom Side	17mm	Ant0	Full Power	26140	1860	1	22.40	24.00	1.445	0.06	0.640	0.925
	LTE Band 25 (2)	20M	QPSK	1	0	-	Back	0mm	Ant4	Full Power	26340	1880	1	21.24	23.00	1.500	-0.01	1.40	2.100
	LTE Band 25 (2)	20M	QPSK	1	0	-	Back	0mm	Ant4	Full Power	26140	1860	1	21.23	23.00	1.503	-0.03	1.26	1.894
	LTE Band 25 (2)	20M	QPSK	1	0	-	Back	0mm	Ant4	Full Power	26590	1905	1	21.19	23.00	1.517	-0.04	1.30	1.972
	LTE Band 25 (2) ENDC	20M	QPSK	1	0	-	Back	0mm	Ant4	Reduced	26340	1880	1	20.27	21.50	1.327	0.06	1.05	1.394
	LTE Band 25 (2)	20M	QPSK	50	0	-	Back	0mm	Ant4	Full Power	26340	1880	1	20.31	22.00	1.476	0.07	1.12	1.656
	LTE Band 25 (2)	20M	QPSK	100	0	-	Back	0mm	Ant4	Full Power	26340	1880	1	20.31	22.00	1.476	-0.01	1.31	1.933
2300MHz																			
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant1	Reduced	462000	2310	1	21.91	23.00	1.285	-0.19	1.77	2.276
	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Front	0mm	Ant1	Reduced	462000	2310	1	21.82	23.00	1.312	0.06	1.86	2.446

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	FR1 n30	10M	QPSK	50	0	DFT-SCS-15KHz	Front	0mm	Ant1	Reduced	462000	2310	1	21.80	23.00	1.318	0.12	1.73	2.286
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant1	Reduced	462000	2310	1	21.91	23.00	1.285	0.08	2.40	3.080
107	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Back	0mm	Ant1	Reduced	462000	2310	1	21.82	23.00	1.312	0.01	2.52	3.307
	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Back	0mm	Ant1	Reduced	462000	2310	3	21.82	23.00	1.312	-0.18	2.11	2.769
	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Back	0mm	Ant1	Reduced	462000	2310	4	21.82	23.00	1.312	-0.04	2.09	2.742
	FR1 n30 NSA	10M	QPSK	25	14	DFT-SCS-15KHz	Back	0mm	Ant1	Reduced	462000	2310	1	19.47	20.50	1.268	0.03	1.42	1.796
	FR1 n30	10M	QPSK	50	0	DFT-SCS-15KHz	Back	0mm	Ant1	Reduced	462000	2310	1	21.80	23.00	1.318	0.18	2.42	3.194
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant1	Reduced	462000	2310	1	21.91	23.00	1.285	0.05	1.27	1.630
	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Bottom Side	0mm	Ant1	Reduced	462000	2310	1	21.82	23.00	1.312	0.18	1.19	1.565
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant1	Full Power	462000	2310	1	22.87	24.00	1.297	0.02	0.443	0.575
	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Front	5mm	Ant1	Full Power	462000	2310	1	22.83	24.00	1.309	0.08	0.426	0.558
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Back	18mm	Ant1	Full Power	462000	2310	1	22.87	24.00	1.297	0.02	0.082	0.106
	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Back	18mm	Ant1	Full Power	462000	2310	1	22.83	24.00	1.309	0.06	0.091	0.119
	FR1 n30	10M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	14mm	Ant1	Full Power	462000	2310	1	22.87	24.00	1.297	0.04	0.108	0.140
	FR1 n30 NSA	10M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant4	Reduced	462000	2310	1	20.41	22.00	1.442	0.07	0.835	1.204
	FR1 n30 NSA	10M	QPSK	25	14	DFT-SCS-15KHz	Back	0mm	Ant4	Reduced	462000	2310	1	20.38	22.00	1.452	-0.12	0.949	1.378
	FR1 n30 NSA	10M	QPSK	1	1	DFT-SCS-15KHz	Left Side	0mm	Ant4	Reduced	462000	2310	1	20.41	22.00	1.442	0.15	0.848	1.223
	FR1 n30 NSA	10M	QPSK	25	14	DFT-SCS-15KHz	Left Side	0mm	Ant4	Reduced	462000	2310	1	20.38	22.00	1.452	0.04	1.01	1.467
	FR1 n30 NSA	10M	QPSK	1	1	DFT-SCS-15KHz	Back	13mm	Ant4	Full Power	462000	2310	1	22.42	24.00	1.439	-0.12	0.105	0.151
	FR1 n30 NSA	10M	QPSK	25	14	DFT-SCS-15KHz	Back	13mm	Ant4	Full Power	462000	2310	1	22.32	24.00	1.472	-0.12	0.122	0.180
	FR1 n30 NSA	10M	QPSK	1	1	DFT-SCS-15KHz	Left Side	7mm	Ant4	Full Power	462000	2310	1	22.42	24.00	1.439	0.04	0.272	0.391
	FR1 n30 NSA	10M	QPSK	25	14	DFT-SCS-15KHz	Left Side	7mm	Ant4	Full Power	462000	2310	1	22.32	24.00	1.472	0.04	0.313	0.461
	LTE Band 30	10M	QPSK	1	0	-	Front	0mm	Ant1	Reduced	27710	2310	1	20.84	22.00	1.306	0.09	2.03	2.649
	LTE Band 30	10M	QPSK	25	0	-	Front	0mm	Ant1	Reduced	27710	2310	1	20.83	22.00	1.309	-0.03	1.68	2.194
	LTE Band 30	10M	QPSK	50	0	-	Front	0mm	Ant1	Reduced	27710	2310	1	20.83	22.00	1.309	0.13	1.64	2.143
108	LTE Band 30	10M	QPSK	1	0	-	Back	0mm	Ant1	Reduced	27710	2310	1	20.84	22.00	1.306	-0.01	2.49	3.252
	LTE Band 30 ENDC	10M	QPSK	1	0	-	Back	0mm	Ant1	Reduced	27710	2310	1	19.38	20.50	1.294	0.01	1.50	1.941
	LTE Band 30	10M	QPSK	25	0	-	Back	0mm	Ant1	Reduced	27710	2310	1	20.83	22.00	1.309	0.13	2.47	3.239
	LTE Band 30	10M	QPSK	50	0	-	Back	0mm	Ant1	Reduced	27710	2310	1	20.83	22.00	1.309	-0.02	2.40	3.147
	LTE Band 30	10M	QPSK	1	0	-	Bottom Side	0mm	Ant1	Reduced	27710	2310	1	20.84	22.00	1.306	-0.08	1.57	2.045
	LTE Band 30	10M	QPSK	25	0	-	Bottom Side	0mm	Ant1	Reduced	27710	2310	1	20.83	22.00	1.309	-0.11	1.28	1.681
	LTE Band 30	10M	QPSK	50	0	-	Bottom Side	0mm	Ant1	Reduced	27710	2310	1	20.83	22.00	1.309	-0.11	1.32	1.728
	LTE Band 30	10M	QPSK	1	0	-	Front	5mm	Ant1	Full Power	27710	2310	1	22.79	24.00	1.321	0.03	0.623	0.823
	LTE Band 30	10M	QPSK	1	0	-	Back	18mm	Ant1	Full Power	27710	2310	1	22.79	24.00	1.321	0.06	0.135	0.178
	LTE Band 30	10M	QPSK	1	0	-	Bottom Side	14mm	Ant1	Full Power	27710	2310	1	22.79	24.00	1.321	0.01	0.188	0.248
	LTE Band 30 ENDC	10M	QPSK	1	0	-	Back	0mm	Ant4	Reduced	27710	2310	1	19.26	21.00	1.493	0.07	0.987	1.473
	LTE Band 30 ENDC	10M	QPSK	1	0	-	Top Side	0mm	Ant4	Reduced	27710	2310	1	19.26	21.00	1.493	0.03	0.871	1.300
	LTE Band 30 ENDC	10M	QPSK	1	0	-	Back	13mm	Ant4	Full Power	27710	2310	1	22.23	24.00	1.503	0.06	0.237	0.356
	LTE Band 30 ENDC	10M	QPSK	1	0	-	Top Side	15mm	Ant4	Full Power	27710	2310	1	22.23	24.00	1.503	0.07	0.185	0.278

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power Reduction	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
2600MHz																					
	LTE Band 7	20M	QPSK	1	0	-	Front	0mm	Ant1	Reduced	21100	2535	1	19.80	21.00	1.318	-	-	-0.02	1.97	2.597
	LTE Band 7	20M	QPSK	1	0	-	Front	0mm	Ant1	Reduced	20850	2510	1	19.67	21.00	1.358	-	-	0.04	1.96	2.668
	LTE Band 7	20M	QPSK	1	0	-	Front	0mm	Ant1	Reduced	21350	2560	1	19.71	21.00	1.346	-	-	0.1	2.04	2.740
	LTE Band 7	20M	QPSK	50	0	-	Front	0mm	Ant1	Reduced	21100	2535	1	19.79	21.00	1.321	-	-	0.08	1.61	2.125
	LTE Band 7	20M	QPSK	50	0	-	Front	0mm	Ant1	Reduced	20850	2510	1	19.57	21.00	1.390	-	-	0.07	1.55	2.150
	LTE Band 7	20M	QPSK	50	0	-	Front	0mm	Ant1	Reduced	21350	2560	1	19.58	21.00	1.387	-	-	0.08	1.73	2.396
	LTE Band 7	20M	QPSK	100	0	-	Front	0mm	Ant1	Reduced	21100	2535	1	19.78	21.00	1.324	-	-	0.1	1.62	2.144
	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant1	Reduced	21100	2535	1	19.80	21.00	1.318	-	-	0.03	2.49	3.277
	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant1	Reduced	20850	2510	1	19.67	21.00	1.358	-	-	0.02	2.46	3.347
109	LTE Band 7	20M	QPSK	1	0	-	Back	0mm	Ant1	Reduced	21350	2560	1	19.71	21.00	1.346	-	-	0.04	2.59	3.486
	LTE Band 7 ENDC	20M	QPSK	1	0	-	Back	0mm	Ant1	Reduced	21350	2560	1	17.82	19.00	1.312	-	-	0.03	1.36	1.785
	LTE Band 7	20M	QPSK	50	0	-	Back	0mm	Ant1	Reduced	21100	2535	1	19.79	21.00	1.321	-	-	0.11	2.08	2.748
	LTE Band 7	20M	QPSK	50	0	-	Back	0mm	Ant1	Reduced	20850	2510	1	19.57	21.00	1.390	-	-	0.09	2.09	2.898

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	LTE Band 7	20M	QPSK	50	0	-	Back	0mm	Ant1	Reduced	21350	2560	1	19.58	21.00	1.387	-	-	0.02	2.11	2.932
	LTE Band 7	20M	QPSK	100	0	-	Back	0mm	Ant1	Reduced	21100	2535	1	19.78	21.00	1.324	-	-	0.07	2.07	2.747
	LTE Band 7	20M	QPSK	1	0	-	Left Side	0mm	Ant1	Reduced	21100	2535	1	19.80	21.00	1.318	-	-	0.06	1.46	1.925
	LTE Band 7	20M	QPSK	50	0	-	Left Side	0mm	Ant1	Reduced	21100	2535	1	19.79	21.00	1.321	-	-	0.08	1.45	1.921
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant1	Reduced	21100	2535	1	19.80	21.00	1.318	-	-	-0.02	1.58	2.083
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant1	Reduced	20850	2510	1	19.67	21.00	1.358	-	-	0.07	1.53	2.080
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	0mm	Ant1	Reduced	21350	2560	1	19.71	21.00	1.346	-	-	0.07	1.61	2.164
	LTE Band 7	20M	QPSK	50	0	-	Bottom Side	0mm	Ant1	Reduced	21100	2535	1	19.79	21.00	1.321	-	-	0.03	1.32	1.747
	LTE Band 7	20M	QPSK	100	0	-	Bottom Side	0mm	Ant1	Reduced	21100	2535	1	19.78	21.00	1.324	-	-	0.06	1.32	1.751
	LTE Band 7	20M	QPSK	1	0	-	Front	5mm	Ant1	Full Power	21350	2560	1	22.77	24.00	1.327	-	-	0.03	0.992	1.317
	LTE Band 7	20M	QPSK	1	0	-	Back	18mm	Ant1	Full Power	21350	2560	1	22.77	24.00	1.327	-	-	0.05	0.200	0.265
	LTE Band 7	20M	QPSK	1	0	-	Left Side	14mm	Ant1	Full Power	21100	2535	1	22.85	24.00	1.303	-	-	0.07	0.190	0.248
	LTE Band 7	20M	QPSK	1	0	-	Bottom Side	14mm	Ant1	Full Power	21350	2560	1	22.77	24.00	1.327	-	-	0.01	0.287	0.381
	LTE Band 7 ENDC	20M	QPSK	1	0	-	Front	0mm	Ant4	Reduced	21100	2535	1	20.65	22.00	1.365	-	-	-0.05	1.09	1.487
	LTE Band 7 ENDC	20M	QPSK	50	0	-	Front	0mm	Ant4	Reduced	21100	2535	1	20.64	22.00	1.368	-	-	-0.01	0.818	1.119
	LTE Band 7 ENDC	20M	QPSK	1	0	-	Back	0mm	Ant4	Reduced	21100	2535	1	20.65	22.00	1.365	-	-	0.06	1.01	1.380
	LTE Band 7 ENDC	20M	QPSK	50	0	-	Back	0mm	Ant4	Reduced	21100	2535	1	20.64	22.00	1.368	-	-	0.02	0.816	1.116
	LTE Band 7 ENDC	20M	QPSK	1	0	-	Top Side	0mm	Ant4	Reduced	21100	2535	1	20.65	22.00	1.365	-	-	0.14	0.882	1.204
	LTE Band 7 ENDC	20M	QPSK	50	0	-	Top Side	0mm	Ant4	Reduced	21100	2535	1	20.64	22.00	1.368	-	-	-0.16	0.760	1.039
	LTE Band 7 ENDC	20M	QPSK	1	0	-	Front	10mm	Ant4	Full Power	21100	2535	1	22.62	24.00	1.374	-	-	0.06	0.178	0.245
	LTE Band 7 ENDC	20M	QPSK	1	0	-	Back	13mm	Ant4	Full Power	21100	2535	1	22.62	24.00	1.374	-	-	0.01	0.172	0.236
	LTE Band 7 ENDC	20M	QPSK	1	0	-	Top Side	15mm	Ant4	Full Power	21100	2535	1	22.62	24.00	1.374	-	-	0.03	0.253	0.348
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	0mm	Ant1	Reduced	507000	2535	1	22.07	23.00	1.239	-	-	0.09	1.85	2.292
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	0mm	Ant1	Reduced	507000	2535	1	22.06	23.00	1.242	-	-	0.02	2.04	2.533
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Front	0mm	Ant1	Reduced	507000	2535	1	21.80	23.00	1.318	-	-	0.13	2.07	2.729
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	0mm	Ant1	Reduced	507000	2535	1	22.07	23.00	1.239	-	-	0.08	2.54	3.147
110	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	0mm	Ant1	Reduced	507000	2535	1	22.06	23.00	1.242	-	-	-0.02	2.81	3.489
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	0mm	Ant1	Reduced	507000	2535	3	22.06	23.00	1.242	-	-	-0.03	2.28	2.831
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	0mm	Ant1	Reduced	507000	2535	4	22.06	23.00	1.242	-	-	0.05	2.76	3.427
	FR1 n7 NSA	50M	QPSK	135	68	DFT-SCS-15KHz	Back	0mm	Ant1	Reduced	507000	2535	1	18.52	19.50	1.253	-	-	0.04	1.56	1.955
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Back	0mm	Ant1	Reduced	507000	2535	1	21.80	23.00	1.318	-	-	0.06	2.57	3.388
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Left Side	0mm	Ant1	Reduced	507000	2535	1	22.07	23.00	1.239	-	-	0.08	1.580	1.957
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Left Side	0mm	Ant1	Reduced	507000	2535	1	22.06	23.00	1.242	-	-	-0.05	1.690	2.098
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Left Side	0mm	Ant1	Reduced	507000	2535	1	21.80	23.00	1.318	-	-	0.03	1.750	2.307
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	0mm	Ant1	Reduced	507000	2535	1	22.07	23.00	1.239	-	-	0.07	1.430	1.771
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Bottom Side	0mm	Ant1	Reduced	507000	2535	1	22.06	23.00	1.242	-	-	0.03	1.680	2.086
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Bottom Side	0mm	Ant1	Reduced	507000	2535	1	21.80	23.00	1.318	-	-	-0.07	1.610	2.122
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Front	5mm	Ant1	Full Power	507000	2535	1	23.16	24.00	1.213	-	-	0.05	0.677	0.821
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Front	5mm	Ant1	Full Power	507000	2535	1	23.08	24.00	1.236	-	-	0.03	0.708	0.875
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Front	5mm	Ant1	Full Power	507000	2535	1	22.76	23.00	1.057	-	-	0.01	0.712	0.752
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Back	18mm	Ant1	Full Power	507000	2535	1	23.16	24.00	1.213	-	-	0.06	0.138	0.167
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	18mm	Ant1	Full Power	507000	2535	1	23.08	24.00	1.236	-	-	0.05	0.155	0.192
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Left Side	14mm	Ant1	Full Power	507000	2535	1	23.16	24.00	1.213	-	-	0.01	0.151	0.183
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Left Side	14mm	Ant1	Full Power	507000	2535	1	23.08	24.00	1.236	-	-	-0.06	0.147	0.182
	FR1 n7	50M	QPSK	270	0	DFT-SCS-15KHz	Left Side	14mm	Ant1	Full Power	507000	2535	1	22.76	23.00	1.057	-	-	-0.06	0.147	0.155
	FR1 n7	50M	QPSK	1	1	DFT-SCS-15KHz	Bottom Side	14mm	Ant1	Full Power	507000	2535	1	23.16	24.00	1.213	-	-	0.01	0.178	0.216
	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Bottom Side	14mm	Ant1	Full Power	507000	2535	1	23.08	24.00	1.236	-	-	0.02	0.197	0.243
	FR1 n7 NSA	50M	QPSK	1	1	DFT-SCS-15KHz	Left Side	0mm	Ant4	Reduced	507000	2535	1	21.88	22.50	1.153	-	-	0.03	1.040	1.200
	FR1 n7 NSA	50M	QPSK	135	68	DFT-SCS-15KHz	Left Side	0mm	Ant4	Reduced	507000	2535	1	21.81	22.50	1.172	-	-	0.05	1.010	1.184
	FR1 n7 NSA	50M	QPSK	1	1	DFT-SCS-15KHz	Left Side	7mm	Ant4	Full Power	507000	2535	1	22.87	24.00	1.297	-	-	0.02	0.270	0.350
	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant1	Reduced	40620	2593	1	19.56	21.00	1.393	62.9	1.006	0.05	1.13	1.585
	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant1	Reduced	39750	2506	1	19.43	21.00	1.435	62.9	1.006	-0.09	1.01	1.459
	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant1	Reduced	40185	2549.5	1	19.36	21.00	1.459	62.9	1.006	0.01	0.891	1.308
	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant1	Reduced	41055	2636.5	1	19.45	21.00	1.429	62.9	1.006	-0.05	0.941	1.353
	LTE Band 41	20M	QPSK	1	0	-	Front	0mm	Ant1	Reduced	41490	2680	1	19.40	21.00	1.445	62.9	1.006	0.03	0.998	1.451
	LTE Band 41	20M	QPSK	50	0	-	Front	0mm	Ant1	Reduced	40620	2593	1	19.54	21.00	1.400	62.9	1.006	-0.02	0.87	1.219
	LTE Band 41	20M	QPSK	100	0	-	Front	0mm	Ant1	Reduced	40620	2593	1	19.45	21.00	1.429	62.9	1.006	0.07	0.823	1.183
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant1	Reduced	40620	2593	1	19.56	21.00	1.393	62.9	1.006	0.08	1.72	2.411

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	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant1	Reduced	39750	2506	1	19.43	21.00	1.435	62.9	1.006	-0.01	1.65	2.383
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant1	Reduced	40185	2549.5	1	19.36	21.00	1.459	62.9	1.006	0.05	1.61	2.363
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant1	Reduced	41055	2636.5	1	19.45	21.00	1.429	62.9	1.006	0.02	1.25	1.797
	LTE Band 41	20M	QPSK	1	0	-	Back	0mm	Ant1	Reduced	41490	2680	1	19.40	21.00	1.445	62.9	1.006	0.09	1.48	2.152
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant1	Reduced	40620	2593	1	19.54	21.00	1.400	62.9	1.006	0.06	1.10	1.545
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant1	Reduced	39750	2506	1	19.39	21.00	1.449	62.9	1.006	0.04	0.891	1.299
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant1	Reduced	40185	2549.5	1	19.37	21.00	1.455	62.9	1.006	-0.02	0.781	1.144
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant1	Reduced	41055	2636.5	1	19.47	21.00	1.422	62.9	1.006	0.09	0.822	1.176
	LTE Band 41	20M	QPSK	50	0	-	Back	0mm	Ant1	Reduced	41490	2680	1	19.35	21.00	1.462	62.9	1.006	-0.01	0.851	1.252
	LTE Band 41	20M	QPSK	100	0	-	Back	0mm	Ant1	Reduced	40620	2593	1	19.45	21.00	1.429	62.9	1.006	0.03	0.754	1.084
	LTE Band 41	20M	QPSK	1	0	-	Left Side	0mm	Ant1	Reduced	40620	2593	1	19.56	21.00	1.393	62.9	1.006	0.08	0.81	1.141
	LTE Band 41	20M	QPSK	50	0	-	Left Side	0mm	Ant1	Reduced	40620	2593	1	19.54	21.00	1.400	62.9	1.006	0.18	0.78	1.094
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	0mm	Ant1	Reduced	40620	2593	1	19.56	21.00	1.393	62.9	1.006	-0.07	0.85	1.191
	LTE Band 41	20M	QPSK	50	0	-	Bottom Side	0mm	Ant1	Reduced	40620	2593	1	19.54	21.00	1.400	62.9	1.006	0.07	0.77	1.077
111	LTE Band 41_HPUE	20M	QPSK	1	0	-	Back	0mm	Ant1	Reduced	40620	2593	1	22.50	24.00	1.413	42.9	1.009	0.04	2.43	3.463
	LTE_CA_41C HPUE	20M	QPSK	1	99	-	Back	0mm	Ant1	Reduced	40620+40818	2593+2612.8	1	22.32	24.00	1.472	42.9	1.009	0.07	2.02	3.001
	LTE_CA_41C HPUE	20M	QPSK	1	99	-	Back	0mm	Ant1	Reduced	39750+39948	2506+2525.8	1	22.13	24.00	1.538	42.9	1.009	0.04	1.88	2.918
	LTE_CA_41C HPUE	20M	QPSK	1	99	-	Back	0mm	Ant1	Reduced	40185+40383	2549.5+2569.3	1	22.06	24.00	1.563	42.9	1.009	-0.01	1.74	2.744
	LTE_CA_41C HPUE	20M	QPSK	1	99	-	Back	0mm	Ant1	Reduced	41055+41253	2636.5+2656.3	1	22.21	24.00	1.510	42.9	1.009	0.03	1.91	2.910
	LTE_CA_41C HPUE	20M	QPSK	1	0	-	Back	0mm	Ant1	Reduced	41490+41292	2680+2660.2	1	22.15	24.00	1.531	42.9	1.009	0.09	1.89	2.920
	LTE Band 41_HPUE	20M	QPSK	1	0	-	Back	0mm	Ant1	Reduced	39750	2506	1	22.30	24.00	1.479	42.9	1.009	0.02	2.11	3.149
	LTE Band 41_HPUE	20M	QPSK	1	0	-	Back	0mm	Ant1	Reduced	40185	2549.5	1	22.23	24.00	1.503	42.9	1.009	-0.01	2.21	3.352
	LTE Band 41_HPUE	20M	QPSK	1	0	-	Back	0mm	Ant1	Reduced	41055	2636.5	1	22.34	24.00	1.466	42.9	1.009	0.09	2.11	3.120
	LTE Band 41_HPUE	20M	QPSK	1	0	-	Back	0mm	Ant1	Reduced	41490	2680	1	22.37	24.00	1.455	42.9	1.009	0.06	2.35	3.451
	LTE Band 41	20M	QPSK	1	0	-	Front	5mm	Ant1	Full Power	40620	2593	1	22.50	24.00	1.413	62.9	1.006	0.02	1.08	1.535
	LTE Band 41	20M	QPSK	1	0	-	Back	18mm	Ant1	Full Power	40620	2593	1	22.50	24.00	1.413	62.9	1.006	0.06	0.227	0.323
	LTE Band 41	20M	QPSK	1	0	-	Left Side	14mm	Ant1	Full Power	40620	2593	1	22.50	24.00	1.413	62.9	1.006	0.01	0.196	0.279
	LTE Band 41	20M	QPSK	1	0	-	Bottom Side	14mm	Ant1	Full Power	40620	2593	1	22.50	24.00	1.413	62.9	1.006	0.06	0.279	0.396
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Front	0mm	Ant1	Reduced	518598	2592.99	1	20.47	21.00	1.130	-	-	-0.06	1.61	1.819
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant1	Reduced	518598	2592.99	1	20.53	21.00	1.114	-	-	0.12	2.02	2.251
	FR1 n41 HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Front	0mm	Ant1	Reduced	518598	2592.99	1	20.46	21.00	1.132	-	-	0.15	2.06	2.333
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Back	0mm	Ant1	Reduced	518598	2592.99	1	20.47	21.00	1.130	-	-	-0.14	2.43	2.745
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant1	Reduced	518598	2592.99	1	20.53	21.00	1.114	-	-	0.03	2.57	2.864
	FR1 n41 HPUE NSA	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant1	Reduced	518598	2592.99	1	19.17	19.50	1.079	-	-	0.02	1.57	1.694
	FR1 n41 HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Back	0mm	Ant1	Reduced	518598	2592.99	1	20.46	21.00	1.132	-	-	0.16	2.38	2.695
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Left Side	0mm	Ant1	Reduced	518598	2592.99	1	20.47	21.00	1.130	-	-	-0.08	1.38	1.559
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	0mm	Ant1	Reduced	518598	2592.99	1	20.53	21.00	1.114	-	-	0.06	1.55	1.727
	FR1 n41 HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Left Side	0mm	Ant1	Reduced	518598	2592.99	1	20.46	21.00	1.132	-	-	-0.07	1.51	1.710
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Bottom Side	0mm	Ant1	Reduced	518598	2592.99	1	20.47	21.00	1.130	-	-	0.03	1.43	1.616
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	0mm	Ant1	Reduced	518598	2592.99	1	20.53	21.00	1.114	-	-	-0.07	1.55	1.727
	FR1 n41 HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Bottom Side	0mm	Ant1	Reduced	518598	2592.99	1	20.46	21.00	1.132	-	-	0.12	1.49	1.687
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Front	5mm	Ant1	Full Power	518598	2592.99	1	25.48	27.00	1.419	-	-	0.03	0.560	0.795
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	5mm	Ant1	Full Power	518598	2592.99	1	25.53	27.00	1.403	-	-	0.05	0.514	0.721
	FR1 n41 HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Front	5mm	Ant1	Full Power	518598	2592.99	1	24.89	26.00	1.291	-	-	-0.01	0.482	0.622
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Back	18mm	Ant1	Full Power	518598	2592.99	1	25.48	27.00	1.419	-	-	0.06	0.102	0.145
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	18mm	Ant1	Full Power	518598	2592.99	1	25.53	27.00	1.403	-	-	0.09	0.098	0.137
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Left Side	14mm	Ant1	Full Power	518598	2592.99	1	25.48	27.00	1.419	-	-	0.1	0.098	0.139
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	14mm	Ant1	Full Power	518598	2592.99	1	25.53	27.00	1.403	-	-	-0.07	0.095	0.133
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Bottom Side	14mm	Ant1	Full Power	518598	2592.99	1	25.48	27.00	1.419	-	-	0.06	0.123	0.175
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Bottom Side	14mm	Ant1	Full Power	518598	2592.99	1	25.53	27.00	1.403	-	-	0.01	0.125	0.175
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Front	0mm	Ant6	Full Power	518598	2592.99	1	21.96	23.00	1.271	-	-	0.02	1.44	1.830
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant6	Full Power	518598	2592.99	1	21.93	23.00	1.279	-	-	0.04	1.60	2.047
	FR1 n41 HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Front	0mm	Ant6	Full Power	518598	2592.99	1	20.80	22.00	1.318	-	-	0.01	1.11	1.463
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Back	0mm	Ant6	Full Power	518598	2592.99	1	21.96	23.00	1.271	-	-	0.01	1.32	1.677
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant6	Full Power	518598	2592.99	1	21.93	23.00	1.279	-	-	-0.18	1.28	1.638
	FR1 n41 HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Back	0mm	Ant6	Full Power	518598	2592.99	1	20.80	22.00	1.318	-	-	0.01	1.01	1.331
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Right Side	0mm	Ant6	Full Power	518598	2592.99	1	21.96	23.00	1.271	-	-	0.19	0.757	0.962

Sporton International Inc. (Kunshan)

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	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Right Side	0mm	Ant6	Full Power	518598	2592.99	1	21.93	23.00	1.279	-	-	0.08	0.913	1.168
112	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Front	0mm	Ant4	Reduced	518598	2592.99	1	21.97	23.50	1.422	-	-	-0.08	2.19	3.115
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant4	Reduced	518598	2592.99	1	21.96	23.50	1.426	-	-	0.16	0.804	1.146
	FR1 n41 HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Front	0mm	Ant4	Reduced	518598	2592.99	1	21.97	23.50	1.422	-	-	0.07	2.02	2.873
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Back	0mm	Ant4	Reduced	518598	2592.99	1	21.97	23.50	1.422	-	-	0.18	1.40	1.991
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant4	Reduced	518598	2592.99	1	21.96	23.50	1.426	-	-	0.06	0.556	0.793
	FR1 n41 HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Back	0mm	Ant4	Reduced	518598	2592.99	1	21.97	23.50	1.422	-	-	0.07	1.33	1.892
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Top Side	0mm	Ant4	Reduced	518598	2592.99	1	21.97	23.50	1.422	-	-	-0.02	1.15	1.636
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant4	Reduced	518598	2592.99	1	21.96	23.50	1.426	-	-	-0.07	0.320	0.456
	FR1 n41 HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Top Side	0mm	Ant4	Reduced	518598	2592.99	1	21.97	23.50	1.422	-	-	-0.04	0.898	1.277
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Front	10mm	Ant4	Full Power	518598	2592.99	1	23.56	25.00	1.393	-	-	0.06	0.519	0.723
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Back	13mm	Ant4	Full Power	518598	2592.99	1	23.56	25.00	1.393	-	-	0.01	0.407	0.567
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Top Side	15mm	Ant4	Full Power	518598	2592.99	1	23.56	25.00	1.393	-	-	0.02	0.638	0.889
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Back	0mm	Ant3	Sensor Off	518598	2592.99	1	22.70	23.00	1.072	-	-	0.09	2.33	2.497
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant3	Sensor Off	518598	2592.99	1	22.55	23.00	1.109	-	-	-0.07	2.45	2.717
	FR1 n41 HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Back	0mm	Ant3	Sensor Off	518598	2592.99	1	22.52	23.00	1.117	-	-	0.04	1.81	2.022
	FR1 n41 HPUE	100M	QPSK	1	137	DFT-SCS-30KHz	Left Side	0mm	Ant3	Sensor Off	518598	2592.99	1	22.70	23.00	1.072	-	-	0.13	1.35	1.447
	FR1 n41 HPUE	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	0mm	Ant3	Sensor Off	518598	2592.99	1	22.55	23.00	1.109	-	-	0.02	1.49	1.653
	FR1 n41 HPUE	100M	QPSK	270	0	DFT-SCS-30KHz	Left Side	0mm	Ant3	Sensor Off	518598	2592.99	1	22.52	23.00	1.117	-	-	0.02	1.26	1.407

Plot No.	Band	BW (MHz)	Modulation	RB Size	RB offset	Mode	Test Position	Gap (mm)	Antenna	Power Reduction	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
3500MHz																					
	LTE Band 48	20M	QPSK	1	0	-	Front	0mm	Ant5	Reduced	56150	3641	1	20.94	22.50	1.432	62.9	1.006	0.05	1.89	2.723
	LTE Band 48	20M	QPSK	1	0	-	Front	0mm	Ant5	Reduced	55340	3560	1	21.00	22.50	1.413	62.9	1.006	0.02	1.98	2.814
	LTE Band 48	20M	QPSK	1	0	-	Front	0mm	Ant5	Reduced	55830	3609	1	21.23	22.50	1.340	62.9	1.006	-0.1	1.93	2.601
	LTE Band 48	20M	QPSK	1	0	-	Front	0mm	Ant5	Reduced	56640	3690	1	21.15	22.50	1.365	62.9	1.006	-0.13	1.74	2.389
	LTE Band 48	20M	QPSK	50	0	-	Front	0mm	Ant5	Reduced	56150	3641	1	20.91	22.50	1.442	62.9	1.006	0.08	1.55	2.249
	LTE Band 48	20M	QPSK	50	0	-	Front	0mm	Ant5	Reduced	55340	3560	1	21.04	22.50	1.400	62.9	1.006	-0.1	1.63	2.295
	LTE Band 48	20M	QPSK	50	0	-	Front	0mm	Ant5	Reduced	55830	3609	1	21.22	22.50	1.343	62.9	1.006	0.04	1.54	2.080
	LTE Band 48	20M	QPSK	50	0	-	Front	0mm	Ant5	Reduced	56640	3690	1	21.21	22.50	1.346	62.9	1.006	0.14	1.38	1.868
	LTE Band 48	20M	QPSK	100	0	-	Front	0mm	Ant5	Reduced	55830	3609	1	21.22	22.50	1.343	62.9	1.006	0.13	1.51	2.040
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant5	Reduced	56150	3641	1	20.94	22.50	1.432	62.9	1.006	-0.08	1.80	2.593
113	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant5	Reduced	55340	3560	1	21.00	22.50	1.413	62.9	1.006	-0.07	2.04	2.899
	LTE_CA_48C	20M	QPSK	1	99	-	Back	0mm	Ant5	Reduced	55830+56028	3609+3628.8	1	21.05	22.50	1.396	62.9	1.006	0.03	1.97	2.767
	LTE Band 48 ENDC	20M	QPSK	1	0	-	Back	0mm	Ant5	Reduced	55340	3560	1	17.47	19.00	1.422	62.9	1.006	0.06	1.04	1.488
	LTE_CA_48C ENDC	20M	QPSK	1	99	-	Back	0mm	Ant5	Reduced	55830+56028	3609+3628.8	1	17.46	19.00	1.426	62.9	1.006	0.03	1.01	1.449
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant5	Reduced	55830	3609	1	21.23	22.50	1.340	62.9	1.006	0.01	2.01	2.709
	LTE Band 48	20M	QPSK	1	0	-	Back	0mm	Ant5	Reduced	56640	3690	1	21.15	22.50	1.365	62.9	1.006	0.14	1.92	2.636
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant5	Reduced	56150	3641	1	20.91	22.50	1.442	62.9	1.006	0.01	1.49	2.162
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant5	Reduced	55340	3560	1	21.04	22.50	1.400	62.9	1.006	-0.09	1.69	2.379
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant5	Reduced	55830	3609	1	21.22	22.50	1.343	62.9	1.006	0.02	1.68	2.269
	LTE Band 48	20M	QPSK	50	0	-	Back	0mm	Ant5	Reduced	56640	3690	1	21.21	22.50	1.346	62.9	1.006	0.06	1.57	2.126
	LTE Band 48	20M	QPSK	100	0	-	Back	0mm	Ant5	Reduced	55830	3609	1	21.22	22.50	1.343	62.9	1.006	0.12	1.45	1.959
	LTE Band 48	20M	QPSK	1	0	-	Top Side	0mm	Ant5	Reduced	56150	3641	1	20.94	22.50	1.432	62.9	1.006	0.08	1.18	1.700
	LTE Band 48	20M	QPSK	1	0	-	Top Side	0mm	Ant5	Reduced	55340	3560	1	21.00	22.50	1.413	62.9	1.006	0.02	1.16	1.648
	LTE Band 48	20M	QPSK	1	0	-	Top Side	0mm	Ant5	Reduced	55830	3609	1	21.23	22.50	1.340	62.9	1.006	0.08	1.16	1.563
	LTE Band 48	20M	QPSK	1	0	-	Top Side	0mm	Ant5	Reduced	56640	3690	1	21.15	22.50	1.365	62.9	1.006	0.04	1.14	1.565
	LTE Band 48	20M	QPSK	50	0	-	Top Side	0mm	Ant5	Reduced	55830	3609	1	21.22	22.50	1.343	62.9	1.006	-0.13	0.981	1.325
	LTE Band 48	20M	QPSK	100	0	-	Top Side	0mm	Ant5	Reduced	55830	3609	1	21.22	22.50	1.343	62.9	1.006	0.12	0.962	1.299
	LTE Band 48	20M	QPSK	1	0	-	Front	3mm	Ant5	Full Power	55340	3560	1	22.49	24.00	1.416	62.9	1.006	0.03	1.370	1.951
	LTE Band 48	20M	QPSK	1	0	-	Back	9mm	Ant5	Full Power	55340	3560	1	22.49	24.00	1.416	62.9	1.006	0.05	0.716	1.020
	LTE Band 48	20M	QPSK	1	0	-	Top Side	7mm	Ant5	Full Power	56150	3641	1	22.50	24.00	1.413	62.9	1.006	0.01	0.887	1.260
	FR1 n48	100M	QPSK	1	137	DFT-SCS-30KHz	Front	0mm	Ant5	Reduced	641666	3624.99	1	22.65	23.00	1.084	-	-	-0.12	2.08	2.255
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant5	Reduced	641666	3624.99	1	22.55	23.00	1.109	-	-	0.09	2.47	2.740
	FR1 n48	100M	QPSK	270	0	DFT-SCS-30KHz	Front	0mm	Ant5	Reduced	641666	3624.99	1	22.48	23.00	1.127	-	-	0.06	2.33	2.626

Sporton International Inc. (Kunshan)

TEL : 86-512-57900158 / FAX : 86-512-57900958

FCC ID : IHDT56AH4

Issued Date : Nov. 15, 2022

Form version. : 200414



FCC SAR Test Report

Report No. : FA292212

	FR1 n48	100M	QPSK	1	137	DFT-SCS-30KHz	Back	0mm	Ant5	Reduced	6416663624.99	1	22.65	23.00	1.084	-	-	0.07	2.34	2.536
114	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant5	Reduced	6416663624.99	1	22.55	23.00	1.109	-	-	-0.05	2.49	2.762
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant5	Reduced	6416663624.99	3	22.55	23.00	1.109	-	-	0.02	1.80	1.997
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant5	Reduced	6416663624.99	4	22.55	23.00	1.109	-	-	-0.16	2.07	2.296
	FR1 n48	100M	QPSK	270	0	DFT-SCS-30KHz	Back	0mm	Ant5	Reduced	6416663624.99	1	22.48	23.00	1.127	-	-	0.02	2.44	2.750
	FR1 n48	100M	QPSK	1	137	DFT-SCS-30KHz	Top Side	0mm	Ant5	Reduced	6416663624.99	1	22.65	23.00	1.084	-	-	0.03	1.38	1.496
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant5	Reduced	6416663624.99	1	22.55	23.00	1.109	-	-	0.18	1.68	1.863
	FR1 n48	100M	QPSK	270	0	DFT-SCS-30KHz	Top Side	0mm	Ant5	Reduced	6416663624.99	1	22.48	23.00	1.127	-	-	0.07	1.45	1.634
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Front	3mm	Ant5	Full Power	6416663624.99	1	23.57	24.00	1.104	-	-	0.02	1.25	1.380
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Back	9mm	Ant5	Full Power	6416663624.99	1	23.57	24.00	1.104	-	-	0.1	0.604	0.667
	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	7mm	Ant5	Full Power	6416663624.99	1	23.57	24.00	1.104	-	-	0.06	0.667	0.736
	FR1 n77 HPUE Part27O	100M	QPSK	1	137	DFT-SCS-30KHz	Back	0mm	Ant3	Sensor Off	656000 3840	1	17.82	18.50	1.169	-	-	-0.14	1.56	1.824
	FR1 n77 HPUE Part27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant3	Sensor Off	656000 3840	1	17.65	18.50	1.216	-	-	0.03	2.05	2.493
	FR1 n77 HPUE Part27O	100M	QPSK	270	0	DFT-SCS-30KHz	Back	0mm	Ant3	Sensor Off	656000 3840	1	17.57	18.50	1.239	-	-	-0.02	2.20	2.725
	FR1 n77 HPUE Part27O NSA	100M	QPSK	270	0	DFT-SCS-30KHz	Back	0mm	Ant3	Sensor Off	656000 3840	1	14.61	15.50	1.227	-	-	0.02	0.902	1.107
	FR1 n77 HPUE Part27O	100M	QPSK	1	137	DFT-SCS-30KHz	Left Side	0mm	Ant3	Sensor Off	656000 3840	1	17.82	18.50	1.169	-	-	-0.04	0.413	0.483
	FR1 n77 HPUE Part27O	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	0mm	Ant3	Sensor Off	656000 3840	1	17.65	18.50	1.216	-	-	-0.11	0.677	0.823
	FR1 n77 HPUE Part27O	100M	QPSK	1	137	DFT-SCS-30KHz	Front	0mm	Ant5	Reduced	656000 3840	1	20.21	21.00	1.199	-	-	-0.03	0.896	1.075
	FR1 n77 HPUE Part27O	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant5	Reduced	656000 3840	1	20.10	21.00	1.230	-	-	-0.02	0.829	1.020
	FR1 n77 HPUE Part27O	100M	QPSK	1	137	DFT-SCS-30KHz	Back	0mm	Ant5	Reduced	656000 3840	1	20.21	21.00	1.199	-	-	0.02	0.986	1.183
	FR1 n77 HPUE Part27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant5	Reduced	656000 3840	1	20.10	21.00	1.230	-	-	0.15	0.825	1.015
	FR1 n77 HPUE Part27O	100M	QPSK	1	137	DFT-SCS-30KHz	Top Side	0mm	Ant5	Reduced	656000 3840	1	20.21	21.00	1.199	-	-	-0.14	0.782	0.938
	FR1 n77 HPUE Part27O	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant5	Reduced	656000 3840	1	20.10	21.00	1.230	-	-	0.06	1.01	1.243
	FR1 n77 HPUE Part27O NSA	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant5	Reduced	656000 3840	1	16.11	17.00	1.227	-	-	0.03	0.388	0.476
	FR1 n77 HPUE Part27O	100M	QPSK	270	0	DFT-SCS-30KHz	Top Side	0mm	Ant5	Reduced	656000 3840	1	20.00	21.00	1.259	-	-	0.02	0.912	1.148
	FR1 n77 HPUE Part27O	100M	QPSK	1	137	DFT-SCS-30KHz	Front	3mm	Ant5	Full Power	656000 3840		25.95	27.00	1.274			0.01	1.33	1.694
	FR1 n77 HPUE Part27O	100M	QPSK	135	69	DFT-SCS-30KHz	Front	3mm	Ant5	Full Power	656000 3840	1	26.42	27.00	1.143	-	-	0.06	1.53	1.749
	FR1 n77 HPUE Part27O	100M	QPSK	1	137	DFT-SCS-30KHz	Back	9mm	Ant5	Full Power	656000 3840		25.95	27.00	1.274			0.05	0.672	0.856
	FR1 n77 HPUE Part27O	100M	QPSK	135	69	DFT-SCS-30KHz	Back	9mm	Ant5	Full Power	656000 3840	1	26.42	27.00	1.143	-	-	0.01	0.692	0.791
	FR1 n77 HPUE Part27O	100M	QPSK	1	137	DFT-SCS-30KHz	Top Side	7mm	Ant5	Full Power	656000 3840	1	25.95	27.00	1.274	-	-	0.06	1.01	1.286
	FR1 n77 HPUE Part27O	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	7mm	Ant5	Full Power	656000 3840	1	26.42	27.00	1.143	-	-	0.04	0.632	0.722
	FR1 n77 HPUE Part27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Front	0mm	Ant5	Reduced	6333343500.01	1	20.15	21.00	1.216	-	-	-0.14	1.56	1.897
	FR1 n77 HPUE Part27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	0mm	Ant5	Reduced	6333343500.01	1	20.12	21.00	1.225	-	-	0.19	1.72	2.106
	FR1 n77 HPUE Part27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Front	0mm	Ant5	Reduced	6333343500.01	1	20.17	21.00	1.211	-	-	0.01	1.86	2.252
	FR1 n77 HPUE Part27Q NSA	100M	QPSK	270	0	DFT-SCS-30KHz	Front	0mm	Ant5	Reduced	6333343500.01	1	15.93	17.00	1.279	-	-	0.02	0.382	0.489
	FR1 n77 HPUE Part27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Back	0mm	Ant5	Reduced	6333343500.01	1	20.15	21.00	1.216	-	-	0.19	1.28	1.557
	FR1 n77 HPUE Part27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant5	Reduced	6333343500.01	1	20.12	21.00	1.225	-	-	0.03	1.62	1.984
	FR1 n77 HPUE Part27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Left Side	0mm	Ant5	Reduced	6333343500.01	1	20.15	21.00	1.216	-	-	0.15	0.593	0.721
	FR1 n77 HPUE Part27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Left Side	0mm	Ant5	Reduced	6333343500.01	1	20.12	21.00	1.225	-	-	-0.03	0.606	0.742
	FR1 n77 HPUE Part27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Top Side	0mm	Ant5	Reduced	6333343500.01	1	20.15	21.00	1.216	-	-	-0.15	1.35	1.642
	FR1 n77 HPUE Part27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	0mm	Ant5	Reduced	6333343500.01	1	20.12	21.00	1.225	-	-	-0.17	1.33	1.629
	FR1 n77 HPUE Part27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Front	3mm	Ant5	Full Power	6333343500.01	1	26.36	27.00	1.159	-	-	0.05	1.27	1.472
	FR1 n77 HPUE Part27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Front	3mm	Ant5	Full Power	6333343500.01	1	26.38	27.00	1.153	-	-	0.01	1.35	1.557
	FR1 n77 HPUE Part27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Front	3mm	Ant5	Full Power	6333343500.01	1	25.33	26.00	1.167	-	-	0.02	1.25	1.459
	FR1 n77 HPUE Part27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Back	9mm	Ant5	Full Power	6333343500.01	1	26.36	27.00	1.159	-	-	0.04	0.683	0.791
	FR1 n77 HPUE Part27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	9mm	Ant5	Full Power	6333343500.01	1	26.38	27.00	1.153	-	-	0.09	0.737	0.850
	FR1 n77 HPUE Part27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Back	9mm	Ant5	Full Power	6333343500.01	1	25.33	26.00	1.167	-	-	0.03	0.727	0.848
	FR1 n77 HPUE Part27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Top Side	7mm	Ant5	Full Power	6333343500.01	1	26.36	27.00	1.159	-	-	0.03	0.871	1.009

Sporton International Inc. (Kunshan)

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FCC ID : IHD56AH4

Issued Date : Nov. 15, 2022

Form version. : 200414



FCC SAR Test Report

Report No. : FA292212

	FR1 n77 HPUE Part27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Top Side	7mm	Ant5	Full Power	633334	3500.01		26.38	27.00	1.153	-	-	0.01	0.851	0.982
	FR1 n77 HPUE Part27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Top Side	7mm	Ant5	Full Power	633334	3500.01		25.33	26.00	1.167	-	-	0.05	0.861	1.005
	FR1 n77 HPUE Part27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Back	0mm	Ant7	Sensor Off	656000	3840	1	21.05	22.00	1.245	-	-	0.06	2.12	2.638
	FR1 n77 HPUE Part27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant7	Sensor Off	656000	3840	1	21.03	22.00	1.250	-	-	0.17	1.90	2.375
	FR1 n77 HPUE Part27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Back	0mm	Ant7	Sensor Off	656000	3840	1	21.06	22.00	1.242	-	-	0.02	1.98	2.458
	FR1 n77 HPUE Part27Q	100M	QPSK	1	137	DFT-SCS-30KHz	Back	0mm	Ant7	Sensor Off	633334	3500.01	1	21.29	22.00	1.178	-	-	-0.02	1.74	2.049
	FR1 n77 HPUE Part27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant7	Sensor Off	633334	3500.01	1	21.06	22.00	1.242	-	-	0.17	2.11	2.620
115	FR1 n77 HPUE Part27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Back	0mm	Ant7	Sensor Off	633334	3500.01	1	20.99	22.00	1.262	-	-	-0.01	2.22	2.801

Plot No.	Band	Mode	Test Position	Gap (mm)	Antenna	Power Reduction	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Reported 10g SAR (W/kg)
WLAN																	
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 8	Standalone	1	2412	1	20.12	21.50	1.374	100	1.000	-0.06	1.54	2.116
116	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 8	Standalone	6	2437	1	20.55	22.00	1.396	100	1.000	-0.05	1.73	2.416
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 8	Standalone	11	2462	1	20.06	21.50	1.393	100	1.000	-0.01	1.61	2.243
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 8	Standalone	6	2437	3	20.55	22.00	1.396	100	1.000	0.11	1.47	2.053
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 8	Standalone	6	2437	4	20.55	22.00	1.396	100	1.000	0.03	1.60	2.234
	WLAN2.4GHz	802.11b 1Mbps	Back	0mm	Ant 8	Simultaneous	6	2437	1	13.93	15.50	1.435	100	1.000	0.02	0.310	0.445
	WLAN2.4GHz	802.11b 1Mbps	Front	0mm	Ant 8	Simultaneous	6	2437	1	13.93	15.50	1.435	100	1.000	0.05	0.205	0.294
117	WLAN5.2GHz	802.11a 6Mbps	Back	0mm	Ant 8	Standalone	48	5240	1	19.09	20.50	1.383	97.46	1.026	0.03	1.86	2.639
	WLAN5.2GHz	802.11a 6Mbps	Back	0mm	Ant 8	Standalone	48	5240	3	19.09	20.50	1.383	97.46	1.026	0.1	1.54	2.185
	WLAN5.2GHz	802.11a 6Mbps	Back	0mm	Ant 8	Standalone	48	5240	4	19.09	20.50	1.383	97.46	1.026	0.02	1.47	2.086
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 8	Simultaneous	42	5210	1	13.21	14.50	1.346	90.69	1.103	0.09	0.315	0.468
	WLAN5.2GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 8	Simultaneous	42	5210	1	13.21	14.50	1.346	90.69	1.103	0.05	0.112	0.166
	WLAN5.2GHz	802.11a 6Mbps	Back	0mm	Ant 8	Standalone	36	5180	1	19.06	20.50	1.393	97.46	1.026	0.01	1.73	2.472
	WLAN5.2GHz	802.11a 6Mbps	Top Side	0mm	Ant 8	Standalone	48	5240	1	19.09	20.50	1.383	97.46	1.026	0.06	1.20	1.703
	WLAN5.2GHz	802.11a 6Mbps	Top Side	0mm	Ant 8	Standalone	36	5180	1	19.06	20.50	1.393	97.46	1.026	0.12	1.30	1.857
	WLAN5.3GHz	802.11a 6Mbps	Front	0mm	Ant 8	Standalone	52	5260	1	19.06	20.50	1.393	97.46	1.026	0.12	0.812	1.160
	WLAN5.3GHz	802.11a 6Mbps	Back	0mm	Ant 8	Standalone	52	5260	1	19.06	20.50	1.393	97.46	1.026	0.05	1.138	1.626
	WLAN5.3GHz	802.11a 6Mbps	Left Side	0mm	Ant 8	Standalone	52	5260	1	19.06	20.50	1.393	97.46	1.026	-0.09	0.025	0.036
	WLAN5.3GHz	802.11a 6Mbps	Right Side	0mm	Ant 8	Standalone	52	5260	1	19.06	20.50	1.393	97.46	1.026	-0.1	0.279	0.399
118	WLAN5.3GHz	802.11a 6Mbps	Top Side	0mm	Ant 8	Standalone	52	5260	1	19.06	20.50	1.393	97.46	1.026	-0.07	1.23	1.757
	WLAN5.3GHz	802.11a 6Mbps	Top Side	0mm	Ant 8	Standalone	52	5260	3	19.06	20.50	1.393	97.46	1.026	-0.02	1.19	1.700
	WLAN5.3GHz	802.11a 6Mbps	Top Side	0mm	Ant 8	Standalone	52	5260	4	19.06	20.50	1.393	97.46	1.026	0.04	1.17	1.672
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 8	Simultaneous	58	5290	1	13.13	14.50	1.371	90.69	1.103	0.02	0.328	0.496
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 8	Simultaneous	58	5290	1	13.13	14.50	1.371	90.69	1.103	0.08	0.301	0.455
	WLAN5.3GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 8	Simultaneous	58	5290	1	13.13	14.50	1.371	90.69	1.103	0.03	0.213	0.322
	WLAN5.5GHz	802.11a 6Mbps	Front	0mm	Ant 8	Standalone	116	5580	1	18.99	20.50	1.415	97.46	1.026	0.01	0.519	0.754
119	WLAN5.5GHz	802.11a 6Mbps	Back	0mm	Ant 8	Standalone	116	5580	1	18.99	20.50	1.415	97.46	1.026	0	1.45	2.105
	WLAN5.5GHz	802.11a 6Mbps	Back	0mm	Ant 8	Standalone	124	5620	1	18.89	20.50	1.449	97.46	1.026	0.01	1.31	1.947
	WLAN5.5GHz	802.11a 6Mbps	Back	0mm	Ant 8	Standalone	116	5580	3	18.99	20.50	1.415	97.46	1.026	0.04	1.41	2.047
	WLAN5.5GHz	802.11a 6Mbps	Back	0mm	Ant 8	Standalone	116	5580	4	18.99	20.50	1.415	97.46	1.026	-0.04	1.25	1.815
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Back	0mm	Ant 8	Simultaneous	122	5610	1	12.34	14.00	1.466	90.69	1.103	0	0.283	0.457
	WLAN5.5GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 8	Simultaneous	122	5610	1	12.34	14.00	1.466	90.69	1.103	0.01	0.136	0.220
	WLAN5.5GHz	802.11a 6Mbps	Left Side	0mm	Ant 8	Standalone	116	5580	1	18.99	20.50	1.415	97.46	1.026	0.03	0.028	0.041
	WLAN5.5GHz	802.11a 6Mbps	Right Side	0mm	Ant 8	Standalone	116	5580	1	18.99	20.50	1.415	97.46	1.026	0.1	0.293	0.425
	WLAN5.5GHz	802.11a 6Mbps	Top Side	0mm	Ant 8	Standalone	116	5580	1	18.99	20.50	1.415	97.46	1.026	0.15	1.09	1.583
120	WLAN5.8GHz	802.11a 6Mbps	Top Side	0mm	Ant 8	Standalone	149	5745	1	19.26	20.50	1.330	97.46	1.026	0.05	0.707	0.965
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Top Side	0mm	Ant 8	Simultaneous	155	5775	1	15.94	17.50	1.431	90.69	1.103	0.08	0.298	0.470
	WLAN5.8GHz	802.11ac-VHT80 MCS0	Front	0mm	Ant 8	Simultaneous	155	5775	1	15.94	17.50	1.431	90.69	1.103	0.03	0.121	0.191



15.5 Repeated SAR Measurement

<1g>

No.	Band	BW (MHz)	Modulation	RB Size	RB Offset	Mode	Test Position	Gap (mm)	Antenna	Power Reduction	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Ratio	Reported 1g SAR (W/kg)
1st	FR1 n26 (5)	20M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant4	Full Power	166300	831.5	1	22.45	24.00	1.429	-	-	0.03	0.966	1	1.380
2st	FR1 n26 (5)	20M	QPSK	1	1	DFT-SCS-15KHz	Right Cheek	0mm	Ant4	Full Power	166300	831.5	1	22.45	24.00	1.429	-	-	0.1	0.950	1.017	1.357
1st	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Back	5mm	Ant 8	Standalone	1	2412	1	17.91	19.00	1.285	100	1.000	0.02	1.000	1	1.285
2st	WLAN2.4GHz	-	-	-	-	802.11b 1Mbps	Back	5mm	Ant 8	Standalone	1	2412	1	17.91	19.00	1.285	100	1.000	0.06	0.943	1.060	1.212
1st	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Bottom Side	5mm	Ant0	Reduced	810	1909.8	1	20.34	21.50	1.306	-	-	0.03	1.07	1	1.398
2st	GSM1900	-	-	-	-	GPRS (2 Tx slots)	Bottom Side	5mm	Ant0	Reduced	810	1909.8	1	20.34	21.50	1.306	-	-	0.06	1.01	1.059	1.319
1st	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Back	5mm	Ant1	Reduced	462000	2310	1	21.88	23.00	1.294	-	-	0.05	1.070	1	1.385
2st	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Back	5mm	Ant1	Reduced	462000	2310	1	21.88	23.00	1.294	-	-	0.02	1.020	1.049	1.320
1st	FR1 n41_HPUE Part27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant3	Reduced	518598	2592.99	1	17.70	18.00	1.072	-	-	-0.07	1.300	1	1.393
2st	FR1 n41_HPUE Part27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant3	Reduced	518598	2592.99	1	17.70	18.00	1.072	-	-	0.01	1.210	1.074	1.297
1st	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant5	Reduced	641666	3624.99	1	19.09	19.50	1.099	-	-	-0.07	1.26	1	1.385
2st	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant5	Reduced	641666	3624.99	1	19.09	19.50	1.099	-	-	0.02	1.13	1.115	1.242
1st	FR1 n77 HPUE Part27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant5	Reduced	656000	3840	1	19.60	20.50	1.230	-	-	-0.07	1.130	1	1.390
2st	FR1 n77 HPUE Part27Q	100M	QPSK	135	69	DFT-SCS-30KHz	Back	5mm	Ant5	Reduced	656000	3840	1	19.60	20.50	1.230	-	-	0.04	1.080	1.046	1.329
1st	FR1 n77 HPUE Part27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Left Cheek	0mm	Ant5	Reduced	633334	3500.01	1	17.17	18.00	1.211	-	-	0.01	1.140	1	1.380
2st	FR1 n77 HPUE Part27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Left Cheek	0mm	Ant5	Reduced	633334	3500.01	1	17.17	18.00	1.211	-	-	0.05	1.080	1.056	1.307
1st	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant0	Reduced	1413	1732.6	1	18.56	19.50	1.242	-	-	-0.07	1.110	1	1.378
2st	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	5mm	Ant0	Reduced	1413	1732.6	1	18.56	19.50	1.242	-	-	0.02	0.993	1.118	1.233
1st	WLAN5.3GHz	-	-	-	-	802.11ac-VHT80 MCS0	Back	5mm	Ant 8	Standalone	58	5290	1	13.23	14.50	1.340	90.69	1.103	0	0.805	1	1.190
2st	WLAN5.3GHz	-	-	-	-	802.11ac-VHT80 MCS0	Back	5mm	Ant 8	Standalone	58	5290	1	13.23	14.50	1.340	90.69	1.103	0.01	0.799	1.008	1.181
1st	WLAN5.8GHz	-	-	-	-	802.11n-HT40 MCS0	Back	5mm	Ant 8	Standalone	159	5795	1	17.19	18.50	1.352	94.9	1.054	0.03	0.830	1	1.183
2st	WLAN5.8GHz	-	-	-	-	802.11n-HT40 MCS0	Back	5mm	Ant 8	Standalone	159	5795	1	17.19	18.50	1.352	94.9	1.054	0.06	0.814	1.020	1.160

<10g>

No.	Band	BW (MHz)	Modulation	RB Size	RB Offset	Mode	Test Position	Gap (mm)	Antenna	Power Reduction	Ch.	Freq. (MHz)	Sample	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Duty Cycle %	Duty Cycle Scaling Factor	Power Drift (dB)	Measured 10g SAR (W/kg)	Ratio	Reported 10g SAR (W/kg)
1st	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant0	Reduced	1513	1752.6	1	20.90	22.00	1.288	-	-	0.06	2.75	1	3.543
2st	WCDMA IV	-	-	-	-	RMC 12.2Kbps	Front	0mm	Ant0	Reduced	1513	1752.6	1	20.90	22.00	1.288	-	-	0.02	2.65	1.038	3.414
1st	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant0	Reduced	9262	1852.4	1	20.29	21.50	1.321	-	-	-0.07	2.64	1	3.488
2st	WCDMA II	-	-	-	-	RMC 12.2Kbps	Back	0mm	Ant0	Reduced	9262	1852.4	1	20.29	21.50	1.321	-	-	0.02	2.45	1.078	3.237
1st	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Back	0mm	Ant1	Reduced	462000	2310	1	21.82	23.00	1.312	-	-	0.01	2.52	1	3.307
2st	FR1 n30	10M	QPSK	25	14	DFT-SCS-15KHz	Back	0mm	Ant1	Reduced	462000	2310	1	21.82	23.00	1.312	-	-	0.05	2.41	1.046	3.162
1st	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	0mm	Ant1	Reduced	507000	2535	1	22.06	23.00	1.242	-	-	-0.02	2.81	1	3.489
2st	FR1 n7	50M	QPSK	135	68	DFT-SCS-15KHz	Back	0mm	Ant1	Reduced	507000	2535	1	22.06	23.00	1.242	-	-	0.03	2.75	1.022	3.415
1st	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant5	Reduced	641666	3624.99	1	22.55	23.00	1.109	-	-	-0.05	2.49	1	2.762
2st	FR1 n48	100M	QPSK	135	69	DFT-SCS-30KHz	Back	0mm	Ant5	Reduced	641666	3624.99	1	22.55	23.00	1.109	-	-	0.02	2.33	1.069	2.584
1st	FR1 n77 HPUE Part27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Back	0mm	Ant5	Sensor Off	656000	3840	1	17.57	18.50	1.239	-	-	-0.02	2.20	1	2.725
2st	FR1 n77 HPUE Part27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Back	0mm	Ant5	Sensor Off	656000	3840	1	17.57	18.50	1.239	-	-	0.04	2.09	1.053	2.589
1st	FR1 n77 HPUE Part27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Back	0mm	Ant7	Sensor Off	633334	3500.01	1	20.99	22.00	1.262	-	-	-0.01	2.22	1	2.801
2st	FR1 n77 HPUE Part27Q	100M	QPSK	270	0	DFT-SCS-30KHz	Back	0mm	Ant7	Sensor Off	633334	3500.01	1	20.99	22.00	1.262	-	-	0.05	2.13	1.042	2.688

General Note:

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

15.6 TDD B41 Linearity Data Analysis

General Note:

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 for 1g and < 3.5 W/kg for 10g, so separate SAR testing for Power Class 2 is not required.

LTE Band 41(HPUE)-Linearity Data for Head		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	24.00	27.00
Reported 1g SAR (W/kg)	0.598	0.755
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	159.00	217.01
Linearity SAR (W/kg)	0.816	
% deviation from expected linearity		-7.50%
LTE Band 41(HPUE)-Linearity Data for Hotspot		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	19.50	22.50
Reported 1g SAR (W/kg)	0.922	1.170
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	56.42	77.00
Linearity SAR (W/kg)	1.258	
% deviation from expected linearity		-7.02%
LTE Band 41(HPUE)-Linearity Data for Body-worn		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	19.50	22.50
Reported 1g SAR (W/kg)	0.933	1.170
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	56.42	77.00
Linearity SAR (W/kg)	1.273	
% deviation from expected linearity		-8.12%
LTE Band 41(HPUE)-Linearity Data for Extremity		
	LTE Band 41 (Power Class 3)	LTE Band 41 (Power Class 2)
Maximum Tune up Power (dBm)	21.00	24.00
Reported 10g SAR (W/kg)	2.411	3.463
Duty Cycle	63.30%	43.30%
Frame Averaged (mW)	79.69	108.76
Linearity SAR (W/kg)	3.291	
% deviation from expected linearity		5.24%

16. Simultaneous Transmission Analysis

No.	Simultaneous Transmission Configurations	Portable Handset			
		Head	Body-worn	Hotspot	Product specific 10g SAR
1.	WWAN + WLAN2.4GHz	Yes	Yes	Yes	Yes
2.	WWAN + WLAN5GHz	Yes	Yes	Yes	Yes
3.	WWAN + Bluetooth	Yes	Yes	Yes	Yes

General Note:

- This device supports VoIP in GPRS, EGPRS, WCDMA and LTE (e.g. for 3rd-party VoIP), LTE supports VoLTE operation.
- WWAN above includes 5G NR bands and EN-DC combination.
- EUT will choose each GSM, WCDMA, LTE and 5GNR according to the network signal condition; therefore, they will not operate simultaneously at any moment.
- This device 2.4GHz WLAN support hotspot operation and Bluetooth support tethering applications.
- This device 5.2GHz WLAN/5.8GHz WLAN support hotspot operation, and 5.2GHz WLAN/5.8GHz WLAN supports WLAN Direct (GC/GO), and 5.3GHz / 5.5GHz supports WLAN Direct (GC only).
- The worst case 5 GHz WLAN SAR for each configuration was used for SAR summation.
- WLAN 2.4GHz and Bluetooth share the same antenna so can't transmit simultaneously.
- According to the EUT characteristic, WLAN 5GHz and Bluetooth can't transmit simultaneously.
- According to the EUT characteristic, WLAN 5GHz and WLAN 2.4GHz can't transmit simultaneously.
- The maximum SAR summation is calculated based on the same configuration and test position.
- For Back/Back with headset, always chose higher SAR to do co-located analysis.
- For 5GNR EN-DC mode, standalone SAR performed for 5GNR band with the maximum power, EN-DC SAR summed 5GNR standalone SAR and LTE standalone SAR, the result of EN-DC SAR is more conservatively. If the summation SAR is higher than 1.45W/kg, additional EN-DC level SAR at worst exposure position for Sim-Tx analysis to show the EN-DC Sim-Tx compliance.
- The worst case SAR results are using for EN-DC antenna combination to show the EN-DC Sim-Tx analysis is compliance.
- When EN-DC SAR co-located with WLAN/Bluetooth, chose the worst SAR among the selected bands within the selected antenna per each test position and also the worst SAR of the selected 5GNR Bands within the selected antenna to do co-located with WLAN/Bluetooth at body exposure conditions. This is the worst co-located analysis and can represent each LTE bands and each 5GNR bands.
- For distance SAR and non-distance SAR in body-worn, always chose higher SAR to do co-located analysis.
- Per KDB 447498 D01v06, simultaneous transmission SAR is compliant if,
 - 1g Scalar SAR summation < 1.6W/kg and 10g Scalar SAR summation < 4.0W/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 and $SPLSR \leq 0.10$ for 10g SAR, simultaneously transmission SAR measurement is not necessary.
 - Simultaneously transmission SAR measurement, and the reported multi-band 1g SAR < 1.6W/kg and 10g SAR < 4.0W/kg.



16.1 Head Exposure Conditions

WWAN Bands	Exposure Position	1	2	3	4	1+2	1+3	1+4
		WWAN	WLAN2.4GHz Ant 8	WLAN5GHz Ant 8	Bluetooth Ant 8	Summed	Summed	Summed
		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 Ant0	Right Cheek	0.488	0.198	0.200	0.050	0.69	0.69	0.54
	Right Tilted	0.277	0.198	0.200	0.047	0.48	0.48	0.32
	Left Cheek	0.443	0.198	0.200	0.156	0.64	0.64	0.60
	Left Tilted	0.255	0.198	0.200	0.121	0.45	0.46	0.38
GSM1900 Ant0	Right Cheek	0.217	0.198	0.200	0.050	0.42	0.42	0.27
	Right Tilted	0.094	0.198	0.200	0.047	0.29	0.29	0.14
	Left Cheek	0.156	0.198	0.200	0.156	0.35	0.36	0.31
	Left Tilted	0.127	0.198	0.200	0.121	0.33	0.33	0.25
WCDMA II Ant0	Right Cheek	0.275	0.198	0.200	0.050	0.47	0.48	0.33
	Right Tilted	0.121	0.198	0.200	0.047	0.32	0.32	0.17
	Left Cheek	0.202	0.198	0.200	0.156	0.40	0.40	0.36
	Left Tilted	0.164	0.198	0.200	0.121	0.36	0.36	0.29
WCDMA IV Ant0	Right Cheek	0.147	0.198	0.200	0.050	0.35	0.35	0.20
	Right Tilted	0.111	0.198	0.200	0.047	0.31	0.31	0.16
	Left Cheek	0.173	0.198	0.200	0.156	0.37	0.37	0.33
	Left Tilted	0.104	0.198	0.200	0.121	0.30	0.30	0.23
WCDMA V Ant0	Right Cheek	0.382	0.198	0.200	0.050	0.58	0.58	0.43
	Right Tilted	0.209	0.198	0.200	0.047	0.41	0.41	0.26
	Left Cheek	0.353	0.198	0.200	0.156	0.55	0.55	0.51
	Left Tilted	0.198	0.198	0.200	0.121	0.40	0.40	0.32
LTE Band 7 Ant1	Right Cheek	0.387	0.198	0.200	0.050	0.59	0.59	0.44
	Right Tilted	0.373	0.198	0.200	0.047	0.57	0.57	0.42
	Left Cheek	0.688	0.198	0.200	0.156	0.89	0.89	0.84
	Left Tilted	0.211	0.198	0.200	0.121	0.41	0.41	0.33
LTE Band 12 (17) Ant0	Right Cheek	0.169	0.198	0.200	0.050	0.37	0.37	0.22
	Right Tilted	0.102	0.198	0.200	0.047	0.30	0.30	0.15
	Left Cheek	0.159	0.198	0.200	0.156	0.36	0.36	0.32
	Left Tilted	0.087	0.198	0.200	0.121	0.29	0.29	0.21
LTE Band 12 Ant4	Right Cheek	1.019	0.198	0.200	0.050	1.22	1.22	1.07
	Right Tilted	0.858	0.198	0.200	0.047	1.06	1.06	0.91
	Left Cheek	0.945	0.198	0.200	0.156	1.14	1.15	1.10
	Left Tilted	0.930	0.198	0.200	0.121	1.13	1.13	1.05
LTE Band 13 Ant0	Right Cheek	0.247	0.198	0.200	0.050	0.45	0.45	0.30
	Right Tilted	0.140	0.198	0.200	0.047	0.34	0.34	0.19
	Left Cheek	0.221	0.198	0.200	0.156	0.42	0.42	0.38
	Left Tilted	0.145	0.198	0.200	0.121	0.34	0.35	0.27
LTE Band 13 Ant4	Right Cheek	0.597	0.198	0.200	0.050	0.80	0.80	0.65
	Right Tilted	0.461	0.198	0.200	0.047	0.66	0.66	0.51
	Left Cheek	0.553	0.198	0.200	0.156	0.75	0.75	0.71
	Left Tilted	0.517	0.198	0.200	0.121	0.72	0.72	0.64
LTE Band 14 Ant0	Right Cheek	0.234	0.198	0.200	0.050	0.43	0.43	0.28
	Right Tilted	0.128	0.198	0.200	0.047	0.33	0.33	0.18
	Left Cheek	0.217	0.198	0.200	0.156	0.42	0.42	0.37
	Left Tilted	0.125	0.198	0.200	0.121	0.32	0.33	0.25
LTE Band 25 (2) Ant0	Right Cheek	0.261	0.198	0.200	0.050	0.46	0.46	0.31
	Right Tilted	0.120	0.198	0.200	0.047	0.32	0.32	0.17
	Left Cheek	0.199	0.198	0.200	0.156	0.40	0.40	0.36
	Left Tilted	0.169	0.198	0.200	0.121	0.37	0.37	0.29
LTE Band 25 (2) Ant4	Right Cheek	1.363	0.198	0.200	0.050	1.56	1.56	1.41
	Right Tilted	1.202	0.198	0.200	0.047	1.40	1.40	1.25



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	Left Cheek	0.909	0.198	0.200	0.156	1.11	1.11	1.07
	Left Tilted	1.020	0.198	0.200	0.121	1.22	1.22	1.14
LTE Band 26 (5) Ant0	Right Cheek	0.239	0.198	0.200	0.050	0.44	0.44	0.29
	Right Tilted	0.142	0.198	0.200	0.047	0.34	0.34	0.19
	Left Cheek	0.245	0.198	0.200	0.156	0.44	0.45	0.40
	Left Tilted	0.134	0.198	0.200	0.121	0.33	0.33	0.26
LTE Band 26 (5) Ant4	Right Cheek	1.332	0.198	0.200	0.050	1.53	1.53	1.38
	Right Tilted	1.077	0.198	0.200	0.047	1.28	1.28	1.12
	Left Cheek	1.324	0.198	0.200	0.156	1.52	1.52	1.48
	Left Tilted	1.246	0.198	0.200	0.121	1.44	1.45	1.37
LTE Band 30 Ant1	Right Cheek	0.177	0.198	0.200	0.050	0.38	0.38	0.23
	Right Tilted	0.137	0.198	0.200	0.047	0.34	0.34	0.18
	Left Cheek	0.307	0.198	0.200	0.156	0.51	0.51	0.46
	Left Tilted	0.096	0.198	0.200	0.121	0.29	0.30	0.22
LTE Band 41 Ant1	Right Cheek	0.368	0.198	0.200	0.050	0.57	0.57	0.42
	Right Tilted	0.317	0.198	0.200	0.047	0.52	0.52	0.36
	Left Cheek	0.598	0.198	0.200	0.156	0.80	0.80	0.75
	Left Tilted	0.178	0.198	0.200	0.121	0.38	0.38	0.30
LTE Band 48 Ant5	Right Cheek	0.852	0.198	0.200	0.050	1.05	1.05	0.90
	Right Tilted	0.854	0.198	0.200	0.047	1.05	1.05	0.90
	Left Cheek	1.366	0.198	0.200	0.156	1.56	1.57	1.52
	Left Tilted	1.317	0.198	0.200	0.121	1.52	1.52	1.44
LTE Band 66 (4) Ant0	Right Cheek	0.161	0.198	0.200	0.050	0.36	0.36	0.21
	Right Tilted	0.102	0.198	0.200	0.047	0.30	0.30	0.15
	Left Cheek	0.171	0.198	0.200	0.156	0.37	0.37	0.33
	Left Tilted	0.105	0.198	0.200	0.121	0.30	0.31	0.23
LTE Band 66 (4) Ant4	Right Cheek	1.378	0.198	0.200	0.050	1.58	1.58	1.43
	Right Tilted	0.962	0.198	0.200	0.047	1.16	1.16	1.01
	Left Cheek	0.952	0.198	0.200	0.156	1.15	1.15	1.11
	Left Tilted	0.985	0.198	0.200	0.121	1.18	1.19	1.11
LTE Band 71 Ant0	Right Cheek	0.259	0.198	0.200	0.050	0.46	0.46	0.31
	Right Tilted	0.150	0.198	0.200	0.047	0.35	0.35	0.20
	Left Cheek	0.189	0.198	0.200	0.156	0.39	0.39	0.35
	Left Tilted	0.145	0.198	0.200	0.121	0.34	0.35	0.27
LTE Band 71 Ant4	Right Cheek	0.457	0.198	0.200	0.050	0.66	0.66	0.51
	Right Tilted	0.392	0.198	0.200	0.047	0.59	0.59	0.44
	Left Cheek	0.433	0.198	0.200	0.156	0.63	0.63	0.59
	Left Tilted	0.438	0.198	0.200	0.121	0.64	0.64	0.56

FR1 Bands	Exposure Position	1	2	3	4	1+2	1+3	1+4
		FR1	WLAN2.4GHz Ant 8	WLAN5GHz Ant 8	Bluetooth Ant 8	Summed	Summed	Summed
		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)
FR1 n7 Ant1	Right Cheek	0.255	0.198	0.200	0.050	0.45	0.46	0.31
	Right Tilted	0.236	0.198	0.200	0.047	0.43	0.44	0.28
	Left Cheek	0.439	0.198	0.200	0.156	0.64	0.64	0.60
	Left Tilted	0.129	0.198	0.200	0.121	0.33	0.33	0.25
FR1 n12 Ant0	Right Cheek	0.172	0.198	0.200	0.050	0.37	0.37	0.22
	Right Tilted	0.089	0.198	0.200	0.047	0.29	0.29	0.14
	Left Cheek	0.157	0.198	0.200	0.156	0.36	0.36	0.31
	Left Tilted	0.089	0.198	0.200	0.121	0.29	0.29	0.21
FR1 n12 Ant4	Right Cheek	0.558	0.198	0.200	0.050	0.76	0.76	0.61
	Right Tilted	0.506	0.198	0.200	0.047	0.70	0.71	0.55
	Left Cheek	0.560	0.198	0.200	0.156	0.76	0.76	0.72
	Left Tilted	0.531	0.198	0.200	0.121	0.73	0.73	0.65
FR1 n14 Ant0	Right Cheek	0.215	0.198	0.200	0.050	0.41	0.42	0.27

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	Right Tilted	0.124	0.198	0.200	0.047	0.32	0.32	0.17
	Left Cheek	0.200	0.198	0.200	0.156	0.40	0.40	0.36
	Left Tilted	0.119	0.198	0.200	0.121	0.32	0.32	0.24
FR1 n25 (2) Ant0	Right Cheek	0.179	0.198	0.200	0.050	0.38	0.38	0.23
	Right Tilted	0.078	0.198	0.200	0.047	0.28	0.28	0.13
	Left Cheek	0.122	0.198	0.200	0.156	0.32	0.32	0.28
	Left Tilted	0.109	0.198	0.200	0.121	0.31	0.31	0.23
FR1 n25 (2) Ant4	Right Cheek	1.377	0.198	0.200	0.050	1.58	1.58	1.43
	Right Tilted	1.132	0.198	0.200	0.047	1.33	1.33	1.18
	Left Cheek	0.879	0.198	0.200	0.156	1.08	1.08	1.04
	Left Tilted	0.972	0.198	0.200	0.121	1.17	1.17	1.09
FR1 n26 (5) Ant0	Right Cheek	0.225	0.198	0.200	0.050	0.42	0.43	0.28
	Right Tilted	0.120	0.198	0.200	0.047	0.32	0.32	0.17
	Left Cheek	0.203	0.198	0.200	0.156	0.40	0.40	0.36
	Left Tilted	0.117	0.198	0.200	0.121	0.32	0.32	0.24
FR1 n26 (5) Ant4	Right Cheek	1.380	0.198	0.200	0.050	1.58	1.58	1.43
	Right Tilted	1.077	0.198	0.200	0.047	1.28	1.28	1.12
	Left Cheek	1.336	0.198	0.200	0.156	1.53	1.54	1.49
	Left Tilted	1.210	0.198	0.200	0.121	1.41	1.41	1.33
FR1 n30 Ant1	Right Cheek	0.148	0.198	0.200	0.050	0.35	0.35	0.20
	Right Tilted	0.128	0.198	0.200	0.047	0.33	0.33	0.18
	Left Cheek	0.257	0.198	0.200	0.156	0.46	0.46	0.41
	Left Tilted	0.076	0.198	0.200	0.121	0.27	0.28	0.20
FR1 n41 HPUE Ant1	Right Cheek	0.577	0.198	0.200	0.050	0.78	0.78	0.63
	Right Tilted	0.532	0.198	0.200	0.047	0.73	0.73	0.58
	Left Cheek	0.715	0.198	0.200	0.156	0.91	0.92	0.87
	Left Tilted	0.300	0.198	0.200	0.121	0.50	0.50	0.42
FR1 n41 HPUE Ant3	Right Cheek	0.741	0.198	0.200	0.050	0.94	0.94	0.79
	Right Tilted	0.419	0.198	0.200	0.047	0.62	0.62	0.47
	Left Cheek	0.439	0.198	0.200	0.156	0.64	0.64	0.60
	Left Tilted	0.354	0.198	0.200	0.121	0.55	0.55	0.48
FR1 n41 HPUE Ant4	Right Cheek	1.090	0.198	0.200	0.050	1.29	1.29	1.14
	Right Tilted	1.150	0.198	0.200	0.047	1.35	1.35	1.20
	Left Cheek	0.536	0.198	0.200	0.156	0.73	0.74	0.69
	Left Tilted	0.690	0.198	0.200	0.121	0.89	0.89	0.81
FR1 n41 HPUE Ant6	Right Cheek	0.327	0.198	0.200	0.050	0.53	0.53	0.38
	Right Tilted	0.208	0.198	0.200	0.047	0.41	0.41	0.26
	Left Cheek	1.107	0.198	0.200	0.156	1.31	1.31	1.26
	Left Tilted	0.591	0.198	0.200	0.121	0.79	0.79	0.71
FR1 n48 Ant5	Right Cheek	0.869	0.198	0.200	0.050	1.07	1.07	0.92
	Right Tilted	0.906	0.198	0.200	0.047	1.10	1.11	0.95
	Left Cheek	1.379	0.198	0.200	0.156	1.58	1.58	1.54
	Left Tilted	1.301	0.198	0.200	0.121	1.50	1.50	1.42
FR1 n66 Ant0	Right Cheek	0.104	0.198	0.200	0.050	0.30	0.30	0.15
	Right Tilted	0.082	0.198	0.200	0.047	0.28	0.28	0.13
	Left Cheek	0.118	0.198	0.200	0.156	0.32	0.32	0.27
	Left Tilted	0.081	0.198	0.200	0.121	0.28	0.28	0.20
FR1 n66 Ant4	Right Cheek	1.320	0.198	0.200	0.050	1.52	1.52	1.37
	Right Tilted	0.941	0.198	0.200	0.047	1.14	1.14	0.99
	Left Cheek	1.015	0.198	0.200	0.156	1.21	1.22	1.17
	Left Tilted	1.036	0.198	0.200	0.121	1.23	1.24	1.16
FR1 n70 Ant0	Right Cheek	0.103	0.198	0.200	0.050	0.30	0.30	0.15
	Right Tilted	0.080	0.198	0.200	0.047	0.28	0.28	0.13
	Left Cheek	0.142	0.198	0.200	0.156	0.34	0.34	0.30
	Left Tilted	0.066	0.198	0.200	0.121	0.26	0.27	0.19
FR1 n71 Ant0	Right Cheek	0.200	0.198	0.200	0.050	0.40	0.40	0.25

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	Right Tilted	0.101	0.198	0.200	0.047	0.30	0.30	0.15
	Left Cheek	0.177	0.198	0.200	0.156	0.38	0.38	0.33
	Left Tilted	0.091	0.198	0.200	0.121	0.29	0.29	0.21
FR1 n71 Ant4	Right Cheek	0.483	0.198	0.200	0.050	0.68	0.68	0.53
	Right Tilted	0.436	0.198	0.200	0.047	0.63	0.64	0.48
	Left Cheek	0.466	0.198	0.200	0.156	0.66	0.67	0.62
	Left Tilted	0.472	0.198	0.200	0.121	0.67	0.67	0.59
FR1 n77 HPUE_Par27Q Ant3	Right Cheek	0.128	0.198	0.200	0.050	0.33	0.33	0.18
	Right Tilted	0.092	0.198	0.200	0.047	0.29	0.29	0.14
	Left Cheek	0.047	0.198	0.200	0.156	0.25	0.25	0.20
	Left Tilted	0.056	0.198	0.200	0.121	0.25	0.26	0.18
FR1 n77 HPUE_Par27Q Ant5	Right Cheek	0.638	0.198	0.200	0.050	0.84	0.84	0.69
	Right Tilted	0.628	0.198	0.200	0.047	0.83	0.83	0.68
	Left Cheek	1.070	0.198	0.200	0.156	1.27	1.27	1.23
	Left Tilted	0.978	0.198	0.200	0.121	1.18	1.18	1.10
FR1 n77 HPUE_Par27Q Ant1	Right Cheek	0.068	0.198	0.200	0.050	0.27	0.27	0.12
	Right Tilted	0.088	0.198	0.200	0.047	0.29	0.29	0.14
	Left Cheek	0.123	0.198	0.200	0.156	0.32	0.32	0.28
	Left Tilted	0.071	0.198	0.200	0.121	0.27	0.27	0.19
FR1 n77 HPUE_Par27Q Ant7	Right Cheek	0.152	0.198	0.200	0.050	0.35	0.35	0.20
	Right Tilted	0.050	0.198	0.200	0.047	0.25	0.25	0.10
	Left Cheek	0.175	0.198	0.200	0.156	0.37	0.38	0.33
	Left Tilted	0.115	0.198	0.200	0.121	0.31	0.32	0.24
FR1 n77 HPUE_Par27Q Ant3	Right Cheek	0.087	0.198	0.200	0.050	0.29	0.29	0.14
	Right Tilted	0.049	0.198	0.200	0.047	0.25	0.25	0.10
	Left Cheek	0.003	0.198	0.200	0.156	0.20	0.20	0.16
	Left Tilted	0.046	0.198	0.200	0.121	0.24	0.25	0.17
FR1 n77 HPUE_Par27Q Ant5	Right Cheek	0.823	0.198	0.200	0.050	1.02	1.02	0.87
	Right Tilted	0.769	0.198	0.200	0.047	0.97	0.97	0.82
	Left Cheek	1.380	0.198	0.200	0.156	1.58	1.58	1.54
	Left Tilted	1.283	0.198	0.200	0.121	1.48	1.48	1.40
FR1 n77 HPUE_Par27Q Ant1	Right Cheek	0.070	0.198	0.200	0.050	0.27	0.27	0.12
	Right Tilted	0.096	0.198	0.200	0.047	0.29	0.30	0.14
	Left Cheek	0.145	0.198	0.200	0.156	0.34	0.35	0.30
	Left Tilted	0.070	0.198	0.200	0.121	0.27	0.27	0.19
FR1 n77 HPUE_Par27Q Ant7	Right Cheek	0.124	0.198	0.200	0.050	0.32	0.32	0.17
	Right Tilted	0.049	0.198	0.200	0.047	0.25	0.25	0.10
	Left Cheek	0.128	0.198	0.200	0.156	0.33	0.33	0.28
	Left Tilted	0.083	0.198	0.200	0.121	0.28	0.28	0.20



WWAN Bands	FR1 Band	Exposure Position	1	2	3	4	5	1+2+3	1+2+4	1+2+5
			WWAN	FR1	WLAN2.4GHz Ant 8	WLAN5GHz Ant 8	Bluetooth Ant 8	Summed	Summed	Summed
			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)
Ant0 LTE Band (2&66)	Ant4 FR1 Band (n2&n5&n7&n12&n30&n66&n71)	Right Cheek	0.261	0.597	0.198	0.200	0.050	1.06	1.06	0.91
		Right Tilted	0.120	0.506	0.198	0.200	0.047	0.82	0.83	0.67
		Left Cheek	0.199	0.560	0.198	0.200	0.156	0.96	0.96	0.92
		Left Tilted	0.169	0.531	0.198	0.200	0.121	0.90	0.90	0.82
Ant4 LTE Band (2&66)	Ant0 FR1 Band (n2&n5&n12&n66&n71)	Right Cheek	0.599	0.200	0.198	0.200	0.050	1.00	1.00	0.85
		Right Tilted	0.599	0.101	0.198	0.200	0.047	0.90	0.90	0.75
		Left Cheek	0.599	0.177	0.198	0.200	0.156	0.97	0.98	0.93
		Left Tilted	0.599	0.109	0.198	0.200	0.121	0.91	0.91	0.83
Ant0 LTE Band (66)	Ant4 FR1 Band (n25)	Right Cheek	0.161	0.526	0.198	0.200	0.050	0.89	0.89	0.74
		Right Tilted	0.102	0.526	0.198	0.200	0.047	0.83	0.83	0.68
		Left Cheek	0.171	0.526	0.198	0.200	0.156	0.90	0.90	0.85
		Left Tilted	0.105	0.526	0.198	0.200	0.121	0.83	0.83	0.75
Ant4 LTE Band (66)	Ant0 FR1 Band (n25)	Right Cheek	0.599	0.200	0.198	0.200	0.050	1.00	1.00	0.85
		Right Tilted	0.599	0.101	0.198	0.200	0.047	0.90	0.90	0.75
		Left Cheek	0.599	0.177	0.198	0.200	0.156	0.97	0.98	0.93
		Left Tilted	0.599	0.109	0.198	0.200	0.121	0.91	0.91	0.83
Ant4 LTE Band (2&4&12&25&26&66&71)	Ant1 FR1 Band (n41)	Right Cheek	0.598	0.715	0.198	0.200	0.050	1.51	1.51	1.36
		Right Tilted	0.392	0.715	0.198	0.200	0.047	1.31	1.31	1.15
		Left Cheek	0.433	0.715	0.198	0.200	0.156	1.35	1.35	1.30
		Left Tilted	0.438	0.715	0.198	0.200	0.121	1.35	1.35	1.27
Ant0 LTE Band (2&4&12&25&26&66&71)	Ant1 FR1 Band (n41)	Right Cheek	0.261	0.715	0.198	0.200	0.050	1.17	1.18	1.03
		Right Tilted	0.150	0.715	0.198	0.200	0.047	1.06	1.07	0.91
		Left Cheek	0.245	0.715	0.198	0.200	0.156	1.16	1.16	1.12
		Left Tilted	0.169	0.715	0.198	0.200	0.121	1.08	1.08	1.01
Ant4 LTE Band (5)	Ant1 FR1 Band (n7)	Right Cheek	0.545	0.255	0.198	0.200	0.050	1.00	1.00	0.85
		Right Tilted	0.545	0.236	0.198	0.200	0.047	0.98	0.98	0.83
		Left Cheek	0.545	0.439	0.198	0.200	0.156	1.18	1.18	1.14
		Left Tilted	0.545	0.129	0.198	0.200	0.121	0.87	0.87	0.80
Ant4 LTE Band (5&12&14)	Ant1 FR1 Band (n30)	Right Cheek	0.545	0.148	0.198	0.200	0.050	0.89	0.89	0.74
		Right Tilted	0.341	0.128	0.198	0.200	0.047	0.67	0.67	0.52
		Left Cheek	0.450	0.257	0.198	0.200	0.156	0.91	0.91	0.86
		Left Tilted	0.421	0.076	0.198	0.200	0.121	0.70	0.70	0.62
Ant0 LTE Band (2&5&12&13&14&25&66)	Ant5 FR1 Band (n77&n78 HPUE)	Right Cheek	0.261	0.565	0.198	0.200	0.050	1.02	1.03	0.88
		Right Tilted	0.142	0.565	0.198	0.200	0.047	0.91	0.91	0.75
		Left Cheek	0.245	0.565	0.198	0.200	0.156	1.01	1.01	0.97
		Left Tilted	0.169	0.565	0.198	0.200	0.121	0.93	0.93	0.86
Ant4 LTE Band (2&5&12&13&25&66)	Ant3 FR1 Band (n77 HPUE)	Right Cheek	0.599	0.128	0.198	0.200	0.050	0.93	0.93	0.78
		Right Tilted	0.461	0.092	0.198	0.200	0.047	0.75	0.75	0.60
		Left Cheek	0.553	0.047	0.198	0.200	0.156	0.80	0.80	0.76
		Left Tilted	0.517	0.056	0.198	0.200	0.121	0.77	0.77	0.69
Ant0 LTE Band (4&71)	Ant5 FR1 Band (n78 HPUE)	Right Cheek	0.259	0.565	0.198	0.200	0.050	1.02	1.02	0.87
		Right Tilted	0.150	0.565	0.198	0.200	0.047	0.91	0.92	0.76
		Left Cheek	0.189	0.565	0.198	0.200	0.156	0.95	0.95	0.91
		Left Tilted	0.145	0.565	0.198	0.200	0.121	0.91	0.91	0.83
Ant4 LTE Band (5&12&13&14&71)	Ant0 FR1 Band (n2&66)	Right Cheek	0.597	0.179	0.198	0.200	0.050	0.97	0.98	0.83
		Right Tilted	0.461	0.082	0.198	0.200	0.047	0.74	0.74	0.59
		Left Cheek	0.553	0.122	0.198	0.200	0.156	0.87	0.88	0.83
		Left Tilted	0.517	0.109	0.198	0.200	0.121	0.82	0.83	0.75
Ant4 LTE Band (12)	Ant0 FR1 Band (n25)	Right Cheek	0.504	0.179	0.198	0.200	0.050	0.88	0.88	0.73
		Right Tilted	0.504	0.078	0.198	0.200	0.047	0.78	0.78	0.63
		Left Cheek	0.504	0.122	0.198	0.200	0.156	0.82	0.83	0.78



		Left Tilted	0.504	0.109	0.198	0.200	0.121	0.81	0.81	0.73
Ant0 LTE Band (5&12&13&71)	Ant4 FR1 Band (n2&66)	Right Cheek	0.259	0.594	0.198	0.200	0.050	1.05	1.05	0.90
		Right Tilted	0.150	0.594	0.198	0.200	0.047	0.94	0.94	0.79
		Left Cheek	0.245	0.594	0.198	0.200	0.156	1.04	1.04	1.00
		Left Tilted	0.145	0.594	0.198	0.200	0.121	0.94	0.94	0.86
Ant0 LTE Band (12)	Ant4 FR1 Band (n25)	Right Cheek	0.169	0.526	0.198	0.200	0.050	0.89	0.90	0.75
		Right Tilted	0.102	0.526	0.198	0.200	0.047	0.83	0.83	0.68
		Left Cheek	0.159	0.526	0.198	0.200	0.156	0.88	0.89	0.84
		Left Tilted	0.087	0.526	0.198	0.200	0.121	0.81	0.81	0.73
Ant5 LTE Band (48)	Ant4 FR1 Band (n2&n66&n5&n71)	Right Cheek	0.573	0.594	0.198	0.200	0.121	1.37	1.37	1.29
		Right Tilted	0.573	0.436	0.198	0.200	0.121	1.21	1.21	1.13
		Left Cheek	0.573	0.466	0.198	0.200	0.121	1.24	1.24	1.16
		Left Tilted	0.573	0.472	0.198	0.200	0.121	1.24	1.25	1.17
Ant5 LTE Band (48)	Ant0 FR1 Band (n2&n66&n5&n71)	Right Cheek	0.573	0.200	0.198	0.200	0.121	0.97	0.97	0.89
		Right Tilted	0.573	0.101	0.198	0.200	0.121	0.87	0.87	0.80
		Left Cheek	0.573	0.177	0.198	0.200	0.121	0.95	0.95	0.87
		Left Tilted	0.573	0.109	0.198	0.200	0.121	0.88	0.88	0.80
Ant1 LTE Band (7&30)	Ant4 FR1 Band (n2&n5&n66)	Right Cheek	0.387	0.594	0.198	0.200	0.121	1.18	1.18	1.10
		Right Tilted	0.373	0.594	0.198	0.200	0.121	1.17	1.17	1.09
		Left Cheek	0.688	0.594	0.198	0.200	0.121	1.48	1.48	1.40
		Left Tilted	0.211	0.594	0.198	0.200	0.121	1.00	1.01	0.93
Ant1 LTE Band (7)	Ant4 FR1 Band (n7&n71)	Right Cheek	0.387	0.483	0.198	0.200	0.121	1.07	1.07	0.99
		Right Tilted	0.373	0.469	0.198	0.200	0.121	1.04	1.04	0.96
		Left Cheek	0.688	0.466	0.198	0.200	0.121	1.35	1.35	1.28
		Left Tilted	0.211	0.472	0.198	0.200	0.121	0.88	0.88	0.80
Ant4 LTE Band (7&30)	Ant5 FR1 Band (n77&n78 HPUE)	Right Cheek	0.589	0.565	0.198	0.200	0.121	1.35	1.35	1.28
		Right Tilted	0.591	0.565	0.198	0.200	0.121	1.35	1.36	1.28
		Left Cheek	0.373	0.565	0.198	0.200	0.121	1.14	1.14	1.06
		Left Tilted	0.417	0.565	0.198	0.200	0.121	1.18	1.18	1.10

(UL CA)

WWAN Band	FR1 Band	Exposure Position	1	2	3	4	5	1+2+3	1+2+4	1+2+5
			WWAN	WWAN	WLAN2.4GHz Ant 8	WLAN5GHz Ant 8	Bluetooth Ant 8	Summed	Summed	Summed
			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)
Ant0 LTE Band (2)	Ant4 LTE Band (4&5&12&13&14&66&71)	Right Cheek	0.261	0.599	0.198	0.200	0.050	1.06	1.06	0.91
		Right Tilted	0.120	0.461	0.198	0.200	0.047	0.78	0.78	0.63
		Left Cheek	0.199	0.553	0.198	0.200	0.156	0.95	0.95	0.91
		Left Tilted	0.169	0.517	0.198	0.200	0.121	0.88	0.89	0.81
Ant4 LTE Band (2)	Ant0 LTE Band (4&5&12&13&66&71)	Right Cheek	0.599	0.259	0.198	0.200	0.050	1.06	1.06	0.91
		Right Tilted	0.599	0.150	0.198	0.200	0.047	0.95	0.95	0.80
		Left Cheek	0.599	0.245	0.198	0.200	0.156	1.04	1.04	1.00
		Left Tilted	0.598	0.150	0.198	0.200	0.121	0.95	0.95	0.87
Ant0 LTE Band (4)	Ant4 LTE Band (5&12&13)	Right Cheek	0.161	0.597	0.198	0.200	0.050	0.96	0.96	0.81
		Right Tilted	0.102	0.461	0.198	0.200	0.047	0.76	0.76	0.61
		Left Cheek	0.171	0.553	0.198	0.200	0.156	0.92	0.92	0.88
		Left Tilted	0.105	0.517	0.198	0.200	0.121	0.82	0.82	0.74
Ant4 LTE Band (4)	Ant0 LTE Band (5&12&13)	Right Cheek	0.599	0.247	0.198	0.200	0.050	1.04	1.05	0.90
		Right Tilted	0.599	0.142	0.198	0.200	0.047	0.94	0.94	0.79
		Left Cheek	0.599	0.245	0.198	0.200	0.156	1.04	1.04	1.00
		Left Tilted	0.599	0.145	0.198	0.200	0.121	0.94	0.94	0.87
Ant4 LTE Band (5&12&13&14)	Ant0 LTE Band (66)	Right Cheek	0.504	0.597	0.198	0.200	0.050	1.30	1.30	1.15
		Right Tilted	0.341	0.461	0.198	0.200	0.047	1.00	1.00	0.85
		Left Cheek	0.450	0.553	0.198	0.200	0.156	1.20	1.20	1.16
		Left Tilted	0.421	0.517	0.198	0.200	0.121	1.14	1.14	1.06
Ant0 LTE Band	Ant4 LTE Band (66)	Right Cheek	0.599	0.247	0.198	0.200	0.050	1.04	1.05	0.90



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(5&12&&13)		Right Tilted	0.599	0.142	0.198	0.200	0.047	0.94	0.94	0.79
		Left Cheek	0.599	0.245	0.198	0.200	0.156	1.04	1.04	1.00
		Left Tilted	0.599	0.145	0.198	0.200	0.121	0.94	0.94	0.87
Ant4 LTE Band (5&12&&14)	Ant1 LTE Band (30)	Right Cheek	0.504	0.177	0.198	0.200	0.050	0.88	0.88	0.73
		Right Tilted	0.341	0.137	0.198	0.200	0.047	0.68	0.68	0.53
		Left Cheek	0.450	0.307	0.198	0.200	0.156	0.96	0.96	0.91
		Left Tilted	0.421	0.096	0.198	0.200	0.121	0.72	0.72	0.64
Ant5 LTE Band (48)	Ant0 LTE Band (66)	Right Cheek	0.573	0.597	0.198	0.200	0.050	1.37	1.37	1.22
		Right Tilted	0.573	0.461	0.198	0.200	0.047	1.23	1.23	1.08
		Left Cheek	0.573	0.553	0.198	0.200	0.156	1.32	1.33	1.28
		Left Tilted	0.573	0.517	0.198	0.200	0.121	1.29	1.29	1.21
Ant5 LTE Band (48)	Ant4 LTE Band (66)	Right Cheek	0.573	0.247	0.198	0.200	0.050	1.02	1.02	0.87
		Right Tilted	0.573	0.142	0.198	0.200	0.047	0.91	0.92	0.76
		Left Cheek	0.573	0.245	0.198	0.200	0.156	1.02	1.02	0.97
		Left Tilted	0.573	0.145	0.198	0.200	0.121	0.92	0.92	0.84
Ant0 LTE Band (2&5&13)	Ant5 LTE Band (48)	Right Cheek	0.261	0.573	0.198	0.200	0.050	1.03	1.03	0.88
		Right Tilted	0.142	0.573	0.198	0.200	0.047	0.91	0.92	0.76
		Left Cheek	0.245	0.573	0.198	0.200	0.156	1.02	1.02	0.97
		Left Tilted	0.169	0.573	0.198	0.200	0.121	0.94	0.94	0.86
Ant4 LTE Band (2&5&13)	Ant5 LTE Band (48)	Right Cheek	0.598	0.573	0.198	0.200	0.050	1.37	1.37	1.22
		Right Tilted	0.461	0.573	0.198	0.200	0.047	1.23	1.23	1.08
		Left Cheek	0.553	0.573	0.198	0.200	0.156	1.32	1.33	1.28
		Left Tilted	0.517	0.573	0.198	0.200	0.121	1.29	1.29	1.21



16.2 Hotspot Exposure Conditions

WWAN Band	Exposure Position	1	2	3	4	1+2	1+3	1+4
		WWAN	WLAN2.4GHz Ant 8	WLAN5GHz Ant 8	Bluetooth Ant 8	Summed	Summed	Summed
		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 Ant0	Front	0.798	0.180	0.032	0.053	0.98	0.83	0.85
	Back	0.738	0.180	0.199	0.090	0.92	0.94	0.83
	Left side	0.447	0.180	0.010	0.007	0.63	0.46	0.45
	Right side	0.780	0.180	0.016	0.038	0.96	0.80	0.82
	Top side		0.180	0.198	0.043	0.18	0.20	0.04
	Bottom side	0.833	0.180			1.01	0.83	0.83
GSM1900 Ant0	Front	0.473	0.180	0.032	0.053	0.65	0.51	0.53
	Back	0.672	0.180	0.199	0.090	0.85	0.87	0.76
	Left side	0.022	0.180	0.010	0.007	0.20	0.03	0.03
	Right side	0.074	0.180	0.016	0.038	0.25	0.09	0.11
	Top side		0.180	0.198	0.043	0.18	0.20	0.04
	Bottom side	1.398	0.180			1.58	1.40	1.40
WCDMA II Ant0	Front	0.556	0.180	0.032	0.053	0.74	0.59	0.61
	Back	0.886	0.180	0.199	0.090	1.07	1.09	0.98
	Left side	0.068	0.180	0.010	0.007	0.25	0.08	0.08
	Right side	0.017	0.180	0.016	0.038	0.20	0.03	0.06
	Top side		0.180	0.198	0.043	0.18	0.20	0.04
	Bottom side	1.289	0.180			1.47	1.29	1.29
WCDMA IV Ant0	Front	0.748	0.180	0.032	0.053	0.93	0.78	0.80
	Back	0.586	0.180	0.199	0.090	0.77	0.79	0.68
	Left side	0.055	0.180	0.010	0.007	0.24	0.07	0.06
	Right side	0.052	0.180	0.016	0.038	0.23	0.07	0.09
	Top side		0.180	0.198	0.043	0.18	0.20	0.04
	Bottom side	1.388	0.180			1.57	1.39	1.39
WCDMA V Ant0	Front	0.654	0.180	0.032	0.053	0.83	0.69	0.71
	Back	0.621	0.180	0.199	0.090	0.80	0.82	0.71
	Left side	0.267	0.180	0.010	0.007	0.45	0.28	0.27
	Right side	0.376	0.180	0.016	0.038	0.56	0.39	0.41
	Top side		0.180	0.198	0.043	0.18	0.20	0.04
	Bottom side	0.605	0.180			0.79	0.61	0.61
LTE Band 7 Ant1	Front	0.792	0.180	0.032	0.053	0.97	0.82	0.85
	Back	1.203	0.180	0.199	0.090	1.38	1.40	1.29
	Left side	0.583	0.180	0.010	0.007	0.76	0.59	0.59
	Right side	0.111	0.180	0.016	0.038	0.29	0.13	0.15
	Top side		0.180	0.198	0.043	0.18	0.20	0.04
	Bottom side	0.758	0.180			0.94	0.76	0.76
LTE Band 12 (17) Ant0	Front	0.514	0.180	0.032	0.053	0.69	0.55	0.57
	Back	0.720	0.180	0.199	0.090	0.90	0.92	0.81
	Left side	0.394	0.180	0.010	0.007	0.57	0.40	0.40
	Right side	0.624	0.180	0.016	0.038	0.80	0.64	0.66
	Top side		0.180	0.198	0.043	0.18	0.20	0.04
	Bottom side	0.458	0.180			0.64	0.46	0.46
LTE Band 12 Ant4	Front	0.340	0.180	0.032	0.053	0.52	0.37	0.39
	Back	0.561	0.180	0.199	0.090	0.74	0.76	0.65
	Left side	0.161	0.180	0.010	0.007	0.34	0.17	0.17
	Right side	0.143	0.180	0.016	0.038	0.32	0.16	0.18
	Top side	0.667	0.180	0.198	0.043	0.85	0.87	0.71
	Bottom side		0.180			0.18	0.00	0.00
LTE Band 13 Ant0	Front	0.536	0.180	0.032	0.053	0.72	0.57	0.59
	Back	0.603	0.180	0.199	0.090	0.78	0.80	0.69



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	Left side	0.372	0.180	0.010	0.007	0.55	0.38	0.38
	Right side	0.586	0.180	0.016	0.038	0.77	0.60	0.62
	Top side		0.180	0.198	0.043	0.18	0.20	0.04
	Bottom side	0.406	0.180			0.59	0.41	0.41
LTE Band 13 Ant4	Front	0.281	0.180	0.032	0.053	0.46	0.31	0.33
	Back	0.372	0.180	0.199	0.090	0.55	0.57	0.46
	Left side	0.125	0.180	0.010	0.007	0.31	0.14	0.13
	Right side	0.106	0.180	0.016	0.038	0.29	0.12	0.14
	Top side	0.247	0.180	0.198	0.043	0.43	0.45	0.29
	Bottom side		0.180			0.18	0.00	0.00
LTE Band 14 Ant0	Front	0.582	0.180	0.032	0.053	0.76	0.61	0.64
	Back	0.599	0.180	0.199	0.090	0.78	0.80	0.69
	Left side	0.324	0.180	0.010	0.007	0.50	0.33	0.33
	Right side	0.461	0.180	0.016	0.038	0.64	0.48	0.50
	Top side		0.180	0.198	0.043	0.18	0.20	0.04
	Bottom side	0.399	0.180			0.58	0.40	0.40
LTE Band 25 (2) Ant0	Front	0.603	0.180	0.032	0.053	0.78	0.64	0.66
	Back	1.020	0.180	0.199	0.090	1.20	1.22	1.11
	Left side	0.016	0.180	0.010	0.007	0.20	0.03	0.02
	Right side	0.057	0.180	0.016	0.038	0.24	0.07	0.10
	Top side		0.180	0.198	0.043	0.18	0.20	0.04
	Bottom side	1.386	0.180			1.57	1.39	1.39
LTE Band 25 (2) Ant4	Front	0.535	0.180	0.032	0.053	0.72	0.57	0.59
	Back	1.394	0.180	0.199	0.090	1.57	1.59	1.48
	Left side	0.366	0.180	0.010	0.007	0.55	0.38	0.37
	Right side	0.098	0.180	0.016	0.038	0.28	0.11	0.14
	Top side	0.958	0.180	0.198	0.043	1.14	1.16	1.00
	Bottom side		0.180			0.18	0.00	0.00
LTE Band 26 (5) Ant0	Front	0.797	0.180	0.032	0.053	0.98	0.83	0.85
	Back	0.704	0.180	0.199	0.090	0.88	0.90	0.79
	Left side	0.321	0.180	0.010	0.007	0.50	0.33	0.33
	Right side	0.475	0.180	0.016	0.038	0.66	0.49	0.51
	Top side		0.180	0.198	0.043	0.18	0.20	0.04
	Bottom side	0.619	0.180			0.80	0.62	0.62
LTE Band 26 (5) Ant4	Front	0.542	0.180	0.032	0.053	0.72	0.57	0.60
	Back	0.715	0.180	0.199	0.090	0.90	0.91	0.81
	Left side	0.157	0.180	0.010	0.007	0.34	0.17	0.16
	Right side	0.154	0.180	0.016	0.038	0.33	0.17	0.19
	Top side	0.706	0.180	0.198	0.043	0.89	0.90	0.75
	Bottom side		0.180			0.18	0.00	0.00
LTE Band 30 Ant1	Front	0.750	0.180	0.032	0.053	0.93	0.78	0.80
	Back	1.111	0.180	0.199	0.090	1.29	1.31	1.20
	Left side	0.518	0.180	0.010	0.007	0.70	0.53	0.53
	Right side	0.079	0.180	0.016	0.038	0.26	0.10	0.12
	Top side		0.180	0.198	0.043	0.18	0.20	0.04
	Bottom side	0.772	0.180			0.95	0.77	0.77
LTE Band 41 Ant1	Front	0.735	0.180	0.032	0.053	0.92	0.77	0.79
	Back	0.924	0.180	0.199	0.090	1.10	1.12	1.01
	Left side	0.488	0.180	0.010	0.007	0.67	0.50	0.50
	Right side	0.082	0.180	0.016	0.038	0.26	0.10	0.12
	Top side		0.180	0.198	0.043	0.18	0.20	0.04
	Bottom side	0.669	0.180			0.85	0.67	0.67
LTE Band 48 Ant5	Front	0.768	0.180	0.032	0.053	0.95	0.80	0.82
	Back	1.243	0.180	0.199	0.090	1.42	1.44	1.33
	Left side	0.213	0.180	0.010	0.007	0.39	0.22	0.22
	Right side	0.196	0.180	0.016	0.038	0.38	0.21	0.23



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	Top side	1.062	0.180	0.198	0.043	1.24	1.26	1.11
	Bottom side		0.180			0.18	0.00	0.00
LTE Band 66 (4) Ant0	Front	0.738	0.180	0.032	0.053	0.92	0.77	0.79
	Back	0.566	0.180	0.199	0.090	0.75	0.77	0.66
	Left side	0.052	0.180	0.010	0.007	0.23	0.06	0.06
	Right side	0.054	0.180	0.016	0.038	0.23	0.07	0.09
	Top side		0.180	0.198	0.043	0.18	0.20	0.04
	Bottom side	1.411	0.180			1.59	1.41	1.41
LTE Band 66 (4) Ant4	Front	0.568	0.180	0.032	0.053	0.75	0.60	0.62
	Back	1.231	0.180	0.199	0.090	1.41	1.43	1.32
	Left side	0.328	0.180	0.010	0.007	0.51	0.34	0.34
	Right side	0.137	0.180	0.016	0.038	0.32	0.15	0.18
	Top side	1.045	0.180	0.198	0.043	1.23	1.24	1.09
	Bottom side		0.180			0.18	0.00	0.00
LTE Band 71 Ant0	Front	0.551	0.180	0.032	0.053	0.73	0.58	0.60
	Back	0.792	0.180	0.199	0.090	0.97	0.99	0.88
	Left side	0.444	0.180	0.010	0.007	0.62	0.45	0.45
	Right side	0.740	0.180	0.016	0.038	0.92	0.76	0.78
	Top side		0.180	0.198	0.043	0.18	0.20	0.04
	Bottom side	0.746	0.180			0.93	0.75	0.75
LTE Band 71 Ant4	Front	0.278	0.180	0.032	0.053	0.46	0.31	0.33
	Back	0.346	0.180	0.199	0.090	0.53	0.55	0.44
	Left side	0.206	0.180	0.010	0.007	0.39	0.22	0.21
	Right side	0.145	0.180	0.016	0.038	0.33	0.16	0.18
	Top side	0.311	0.180	0.198	0.043	0.49	0.51	0.35
	Bottom side		0.180			0.18	0.00	0.00

WWAN Band	Exposure Position	1	2	3	4	1+2	1+3	1+4
		FR1	WLAN2.4GHz Ant 8	WLAN5GHz Ant 8	Bluetooth Ant 8	Summed	Summed	Summed
		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)
FR1 n7 Ant1	Front	0.961	0.180	0.032	0.053	1.14	0.99	1.01
	Back	1.386	0.180	0.199	0.090	1.57	1.59	1.48
	Left side	0.654	0.180	0.010	0.007	0.83	0.66	0.66
	Right side	0.116	0.180	0.016	0.038	0.30	0.13	0.15
	Top side		0.180	0.198	0.043	0.18	0.20	0.04
	Bottom side	0.899	0.180			1.08	0.90	0.90
FR1 n12 Ant0	Front	0.306	0.180	0.032	0.053	0.49	0.34	0.36
	Back	0.460	0.180	0.199	0.090	0.64	0.66	0.55
	Left side	0.225	0.180	0.010	0.007	0.41	0.24	0.23
	Right side	0.353	0.180	0.016	0.038	0.53	0.37	0.39
	Top side		0.180	0.198	0.043	0.18	0.20	0.04
	Bottom side	0.279	0.180			0.46	0.28	0.28
FR1 n12 Ant4	Front	0.375	0.180	0.032	0.053	0.56	0.41	0.43
	Back	0.587	0.180	0.199	0.090	0.77	0.79	0.68
	Left side	0.182	0.180	0.010	0.007	0.36	0.19	0.19
	Right side	0.146	0.180	0.016	0.038	0.33	0.16	0.18
	Top side	0.591	0.180	0.198	0.043	0.77	0.79	0.63
	Bottom side		0.180			0.18	0.00	0.00
FR1 n14 Ant0	Front	0.483	0.180	0.032	0.053	0.66	0.52	0.54
	Back	0.466	0.180	0.199	0.090	0.65	0.67	0.56
	Left side	0.273	0.180	0.010	0.007	0.45	0.28	0.28
	Right side	0.434	0.180	0.016	0.038	0.61	0.45	0.47
	Top side		0.180	0.198	0.043	0.18	0.20	0.04
	Bottom side	0.416	0.180			0.60	0.42	0.42
FR1 n25 (2) Ant0	Front	0.586	0.180	0.032	0.053	0.77	0.62	0.64

Sporton International Inc. (Kunshan)

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	Back	0.922	0.180	0.199	0.090	1.10	1.12	1.01
	Left side	0.014	0.180	0.010	0.007	0.19	0.02	0.02
	Right side	0.057	0.180	0.016	0.038	0.24	0.07	0.10
	Top side		0.180	0.198	0.043	0.18	0.20	0.04
	Bottom side	1.403	0.180			1.58	1.40	1.40
FR1 n25 (2) Ant4	Front	0.644	0.180	0.032	0.053	0.82	0.68	0.70
	Back	1.393	0.180	0.199	0.090	1.57	1.59	1.48
	Left side	0.381	0.180	0.010	0.007	0.56	0.39	0.39
	Right side	0.120	0.180	0.016	0.038	0.30	0.14	0.16
	Top side	0.794	0.180	0.198	0.043	0.97	0.99	0.84
	Bottom side		0.180			0.18	0.00	0.00
FR1 n26 (5) Ant0	Front	0.649	0.180	0.032	0.053	0.83	0.68	0.70
	Back	0.615	0.180	0.199	0.090	0.80	0.81	0.71
	Left side	0.257	0.180	0.010	0.007	0.44	0.27	0.26
	Right side	0.391	0.180	0.016	0.038	0.57	0.41	0.43
	Top side		0.180	0.198	0.043	0.18	0.20	0.04
	Bottom side	0.576	0.180			0.76	0.58	0.58
FR1 n26 (5) Ant4	Front	0.553	0.180	0.032	0.053	0.73	0.59	0.61
	Back	0.722	0.180	0.199	0.090	0.90	0.92	0.81
	Left side	0.163	0.180	0.010	0.007	0.34	0.17	0.17
	Right side	0.190	0.180	0.016	0.038	0.37	0.21	0.23
	Top side	1.005	0.180	0.198	0.043	1.19	1.20	1.05
	Bottom side		0.180			0.18	0.00	0.00
FR1 n30 Ant1	Front	0.987	0.180	0.032	0.053	1.17	1.02	1.04
	Back	1.391	0.180	0.199	0.090	1.57	1.59	1.48
	Left side	0.676	0.180	0.010	0.007	0.86	0.69	0.68
	Right side	0.100	0.180	0.016	0.038	0.28	0.12	0.14
	Top side		0.180	0.198	0.043	0.18	0.20	0.04
	Bottom side	1.035	0.180			1.22	1.04	1.04
FR1 n41 HPUE Ant1	Front	1.009	0.180	0.032	0.053	1.19	1.04	1.06
	Back	1.277	0.180	0.199	0.090	1.46	1.48	1.37
	Left side	0.638	0.180	0.010	0.007	0.82	0.65	0.65
	Right side	0.138	0.180	0.016	0.038	0.32	0.15	0.18
	Top side		0.180	0.198	0.043	0.18	0.20	0.04
	Bottom side	0.778	0.180			0.96	0.78	0.78
FR1 n41 HPUE Ant3	Front	0.143	0.180	0.032	0.053	0.32	0.18	0.20
	Back	1.379	0.180	0.199	0.090	1.56	1.58	1.47
	Left side	0.374	0.180	0.010	0.007	0.55	0.38	0.38
	Right side	0.013	0.180	0.016	0.038	0.19	0.03	0.05
	Top side	0.073	0.180	0.198	0.043	0.25	0.27	0.12
	Bottom side		0.180			0.18	0.00	0.00
FR1 n41 HPUE Ant4	Front	0.426	0.180	0.032	0.053	0.61	0.46	0.48
	Back	1.289	0.180	0.199	0.090	1.47	1.49	1.38
	Left side	0.120	0.180	0.010	0.007	0.30	0.13	0.13
	Right side	0.007	0.180	0.016	0.038	0.19	0.02	0.05
	Top side	1.388	0.180	0.198	0.043	1.57	1.59	1.43
	Bottom side		0.180			0.18	0.00	0.00
FR1 n41 HPUE Ant6	Front	0.548	0.180	0.032	0.053	0.73	0.58	0.60
	Back	0.930	0.180	0.199	0.090	1.11	1.13	1.02
	Left side		0.180	0.010	0.007	0.18	0.01	0.01
	Right side	0.732	0.180	0.016	0.038	0.91	0.75	0.77
	Top side	0.103	0.180	0.198	0.043	0.28	0.30	0.15
	Bottom side		0.180			0.18	0.00	0.00
FR1 n48 Ant5	Front	0.910	0.180	0.032	0.053	1.09	0.94	0.96
	Back	1.385	0.180	0.199	0.090	1.57	1.58	1.48
	Left side	0.353	0.180	0.010	0.007	0.53	0.36	0.36



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	Right side	0.263	0.180	0.016	0.038	0.44	0.28	0.30
	Top side	1.220	0.180	0.198	0.043	1.40	1.42	1.26
	Bottom side		0.180			0.18	0.00	0.00
FR1 n66 Ant0	Front	0.884	0.180	0.032	0.053	1.06	0.92	0.94
	Back	0.702	0.180	0.199	0.090	0.88	0.90	0.79
	Left side	0.051	0.180	0.010	0.007	0.23	0.06	0.06
	Right side	0.054	0.180	0.016	0.038	0.23	0.07	0.09
	Top side		0.180	0.198	0.043	0.18	0.20	0.04
	Bottom side	1.239	0.180			1.42	1.24	1.24
FR1 n66 Ant4	Front	0.554	0.180	0.032	0.053	0.73	0.59	0.61
	Back	1.307	0.180	0.199	0.090	1.49	1.51	1.40
	Left side	0.336	0.180	0.010	0.007	0.52	0.35	0.34
	Right side	0.142	0.180	0.016	0.038	0.32	0.16	0.18
	Top side	0.978	0.180	0.198	0.043	1.16	1.18	1.02
	Bottom side		0.180			0.18	0.00	0.00
FR1 n70 Ant0	Front	0.981	0.180	0.032	0.053	1.16	1.01	1.03
	Back	0.604	0.180	0.199	0.090	0.78	0.80	0.69
	Left side	0.087	0.180	0.010	0.007	0.27	0.10	0.09
	Right side	0.067	0.180	0.016	0.038	0.25	0.08	0.11
	Top side		0.180	0.198	0.043	0.18	0.20	0.04
	Bottom side	1.364	0.180			1.54	1.36	1.36
FR1 n71 Ant0	Front	0.256	0.180	0.032	0.053	0.44	0.29	0.31
	Back	0.465	0.180	0.199	0.090	0.65	0.66	0.56
	Left side	0.209	0.180	0.010	0.007	0.39	0.22	0.22
	Right side	0.341	0.180	0.016	0.038	0.52	0.36	0.38
	Top side		0.180	0.198	0.043	0.18	0.20	0.04
	Bottom side	0.232	0.180			0.41	0.23	0.23
FR1 n71 Ant4	Front	0.200	0.180	0.032	0.053	0.38	0.23	0.25
	Back	0.320	0.180	0.199	0.090	0.50	0.52	0.41
	Left side	0.112	0.180	0.010	0.007	0.29	0.12	0.12
	Right side	0.068	0.180	0.016	0.038	0.25	0.08	0.11
	Top side	0.296	0.180	0.198	0.043	0.48	0.49	0.34
	Bottom side		0.180			0.18	0.00	0.00
FR1 n77 HPUE_Part270 Ant3	Front	0.013	0.180	0.032	0.053	0.19	0.05	0.07
	Back	1.006	0.180	0.199	0.090	1.19	1.21	1.10
	Left side	0.171	0.180	0.010	0.007	0.35	0.18	0.18
	Right side		0.180	0.016	0.038	0.18	0.02	0.04
	Top side	0.021	0.180	0.198	0.043	0.20	0.22	0.06
	Bottom side		0.180			0.18	0.00	0.00
FR1 n77 HPUE_Part270 Ant5	Front	0.542	0.180	0.032	0.053	0.72	0.57	0.60
	Back	0.732	0.180	0.199	0.090	0.91	0.93	0.82
	Left side	0.095	0.180	0.010	0.007	0.28	0.11	0.10
	Right side	0.000	0.180	0.016	0.038	0.18	0.02	0.04
	Top side	0.797	0.180	0.198	0.043	0.98	1.00	0.84
	Bottom side		0.180			0.18	0.00	0.00
FR1 n77 HPUE_Part270 Ant1	Front	0.577	0.180	0.032	0.053	0.76	0.61	0.63
	Back	0.513	0.180	0.199	0.090	0.69	0.71	0.60
	Left side	0.449	0.180	0.010	0.007	0.63	0.46	0.46
	Right side	0.054	0.180	0.016	0.038	0.23	0.07	0.09
	Top side		0.180	0.198	0.043	0.18	0.20	0.04
	Bottom side	0.434	0.180			0.61	0.43	0.43
FR1 n77 HPUE_Part270 Ant7	Front	0.063	0.180	0.032	0.053	0.24	0.10	0.12
	Back	0.695	0.180	0.199	0.090	0.88	0.89	0.79
	Left side		0.180	0.010	0.007	0.18	0.01	0.01
	Right side	0.262	0.180	0.016	0.038	0.44	0.28	0.30
	Top side	0.058	0.180	0.198	0.043	0.24	0.26	0.10

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	Bottom side		0.180			0.18	0.00	0.00
FR1 n77 HPUE_Part27Q Ant3	Front	0.013	0.180	0.032	0.053	0.19	0.05	0.07
	Back	0.161	0.180	0.199	0.090	0.34	0.36	0.25
	Left side	0.055	0.180	0.010	0.007	0.24	0.07	0.06
	Right side		0.180	0.016	0.038	0.18	0.02	0.04
	Top side	0.012	0.180	0.198	0.043	0.19	0.21	0.06
	Bottom side		0.180			0.18	0.00	0.00
FR1 n77 HPUE_Part27Q Ant5	Front	0.760	0.180	0.032	0.053	0.94	0.79	0.81
	Back	0.732	0.180	0.199	0.090	0.91	0.93	0.82
	Left side	0.239	0.180	0.010	0.007	0.42	0.25	0.25
	Right side	0.186	0.180	0.016	0.038	0.37	0.20	0.22
	Top side	1.141	0.180	0.198	0.043	1.32	1.34	1.18
	Bottom side		0.180			0.18	0.00	0.00
FR1 n77 HPUE_Part27Q Ant1	Front	0.453	0.180	0.032	0.053	0.63	0.49	0.51
	Back	0.534	0.180	0.199	0.090	0.71	0.73	0.62
	Left side	0.348	0.180	0.010	0.007	0.53	0.36	0.36
	Right side	0.043	0.180	0.016	0.038	0.22	0.06	0.08
	Top side		0.180	0.198	0.043	0.18	0.20	0.04
	Bottom side	0.457	0.180			0.64	0.46	0.46
FR1 n77 HPUE_Part27Q Ant7	Front	0.102	0.180	0.032	0.053	0.28	0.13	0.16
	Back	1.263	0.180	0.199	0.090	1.44	1.46	1.35
	Left side		0.180	0.010	0.007	0.18	0.01	0.01
	Right side	0.406	0.180	0.016	0.038	0.59	0.42	0.44
	Top side	0.092	0.180	0.198	0.043	0.27	0.29	0.14
	Bottom side		0.180			0.18	0.00	0.00

WWAN Band	FR1 Band	Exposure Position	1	2	3	4	5	1+2+3	1+2+4	1+2+5	Case No
			WWAN 1g SAR (W/kg)	FR1 1g SAR (W/kg)	WLAN2.4GHz Ant 8 1g SAR (W/kg)	WLAN5GHz Ant 8 1g SAR (W/kg)	Bluetooth Ant 8 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	Summed 1g SAR (W/kg)	
Ant0 LTE Band (2&66)	Ant4 FR1 Band (n2&n5&n7&n12&n30&n66&n71)	Front		0.375	0.062	0.032	0.053	0.44	0.41	0.43	
		Back		0.596	0.180	0.199	0.090	0.78	0.80	0.69	
		Left side		0.586	0.008	0.010	0.007	0.59	0.60	0.59	
		Right side		0.146	0.045	0.016	0.038	0.19	0.16	0.18	
		Top side		0.591	0.060	0.198	0.043	0.65	0.79	0.63	
		Bottom side	0.799					0.80	0.80	0.80	
Ant4 LTE Band (2&66)	Ant0 FR1 Band (n2&n5&n12&n66&n71)	Front		0.306	0.062	0.032	0.053	0.37	0.34	0.36	
		Back	0.583	0.465	0.180	0.199	0.090	1.23	1.25	1.14	
		Left side		0.225	0.008	0.010	0.007	0.23	0.24	0.23	
		Right side		0.353	0.045	0.016	0.038	0.40	0.37	0.39	
		Top side			0.060	0.198	0.043	0.06	0.20	0.04	
		Bottom side		0.800				0.80	0.80	0.80	
Ant0 LTE Band (66)	Ant4 FR1 Band (n25)	Front			0.062	0.032	0.053	0.06	0.03	0.05	
		Back		0.591	0.180	0.199	0.090	0.77	0.79	0.68	
		Left side			0.008	0.010	0.007	0.01	0.01	0.01	
		Right side			0.045	0.016	0.038	0.05	0.02	0.04	
		Top side			0.060	0.198	0.043	0.06	0.20	0.04	
		Bottom side	0.799					0.80	0.80	0.80	
Ant4 LTE Band (66)	Ant0 FR1 Band (n25)	Front			0.062	0.032	0.053	0.06	0.03	0.05	
		Back	0.583		0.180	0.199	0.090	0.76	0.78	0.67	
		Left side			0.008	0.010	0.007	0.01	0.01	0.01	
		Right side			0.045	0.016	0.038	0.05	0.02	0.04	
		Top side			0.060	0.198	0.043	0.06	0.20	0.04	
		Bottom side		0.770				0.77	0.77	0.77	
Ant4 LTE Band	Ant1 FR1 Band (n41)	Front	0.278		0.062	0.032	0.053	0.34	0.31	0.33	

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(2&4&12&25&26&66&71)		Back	0.583	0.674	0.180	0.199	0.090	1.44	1.46	1.35	
		Left side	0.206		0.008	0.010	0.007	0.21	0.22	0.21	
		Right side	0.145		0.045	0.016	0.038	0.19	0.16	0.18	
		Top side	0.599		0.060	0.198	0.043	0.66	0.80	0.64	
		Bottom side						0.00	0.00	0.00	
Ant4 LTE Band (5)	Ant1 FR1 Band (n7)	Front			0.062	0.032	0.053	0.06	0.03	0.05	
		Back	0.493	0.704	0.180	0.199	0.090	1.38	1.40	1.29	
		Left side			0.008	0.010	0.007	0.01	0.01	0.01	
		Right side			0.045	0.016	0.038	0.05	0.02	0.04	
		Top side			0.060	0.198	0.043	0.06	0.20	0.04	
Ant4 LTE Band (5&12&14)	Ant1 FR1 Band (n30)	Bottom side						0.00	0.00	0.00	
		Front	0.231		0.062	0.032	0.053	0.29	0.26	0.28	
		Back	0.493	0.698	0.180	0.199	0.090	1.37	1.39	1.28	
		Left side	0.090		0.008	0.010	0.007	0.10	0.10	0.10	
		Right side	0.064		0.045	0.016	0.038	0.11	0.08	0.10	
Ant0 LTE Band (2&5&12&13&14&25&66)	Ant5 FR1 Band (n77&n78 HPUE)	Top side	0.599		0.060	0.198	0.043	0.66	0.80	0.64	
		Bottom side						0.00	0.00	0.00	
		Front	0.797		0.062	0.032	0.053	0.86	0.83	0.85	
		Back	0.720		0.180	0.199	0.090	0.90	0.92	0.81	
		Left side	0.394		0.008	0.010	0.007	0.40	0.40	0.40	
Ant4 LTE Band (2&5&12&13&25&66)	Ant3 FR1 Band (n77 HPUE)	Right side	0.624		0.045	0.016	0.038	0.67	0.64	0.66	
		Top side		0.460	0.060	0.198	0.043	0.52	0.66	0.50	
		Bottom side	0.799					0.80	0.80	0.80	
		Front	0.281		0.062	0.032	0.053	0.34	0.31	0.33	
		Back	0.583	0.449	0.180	0.199	0.090	1.21	1.23	1.12	
Ant0 LTE Band (4&71)	Ant5 FR1 Band (n78 HPUE)	Left side	0.125		0.008	0.010	0.007	0.13	0.14	0.13	
		Right side	0.106		0.045	0.016	0.038	0.15	0.12	0.14	
		Top side	0.599		0.060	0.198	0.043	0.66	0.80	0.64	
		Bottom side						0.00	0.00	0.00	
		Front	0.551		0.062	0.032	0.053	0.61	0.58	0.60	
Ant0 LTE Band (5&12&13&14&71)	Ant0 FR1 Band (n2&66)	Back	0.792		0.180	0.199	0.090	0.97	0.99	0.88	
		Left side	0.444		0.008	0.010	0.007	0.45	0.45	0.45	
		Right side	0.740		0.045	0.016	0.038	0.79	0.76	0.78	
		Top side		0.460	0.060	0.198	0.043	0.52	0.66	0.50	
		Bottom side	0.799					0.80	0.80	0.80	
Ant4 LTE Band (12)	Ant0 FR1 Band (n25)	Front	0.568		0.062	0.032	0.053	0.63	0.60	0.62	
		Back	0.493		0.180	0.199	0.090	0.67	0.69	0.58	
		Left side	0.206		0.008	0.010	0.007	0.21	0.22	0.21	
		Right side	0.162		0.045	0.016	0.038	0.21	0.18	0.20	
		Top side	0.740		0.060	0.198	0.043	0.80	0.94	0.78	
Ant0 LTE Band (5&12&13&71)	Ant4 FR1 Band (n2&66)	Bottom side		0.800				0.80	0.80	0.80	
		Front	0.797		0.062	0.032	0.053	0.86	0.83	0.85	
		Back	0.792	0.596	0.180	0.199	0.090	1.57	1.59	1.48	
		Left side	0.444		0.008	0.010	0.007	0.45	0.45	0.45	
		Right side	0.740		0.045	0.016	0.038	0.79	0.76	0.78	
Ant0 LTE Band (12)	Ant4 FR1 Band (n25)	Top side			0.060	0.198	0.043	0.06	0.20	0.04	
		Bottom side	0.746					0.75	0.75	0.75	
		Front	0.514		0.062	0.032	0.053	0.58	0.55	0.57	
		Back	0.720	0.591	0.180	0.199	0.090	1.49	1.51	1.40	
		Left side	0.394		0.008	0.010	0.007	0.40	0.40	0.40	

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		Right side	0.624		0.045	0.016	0.038	0.67	0.64	0.66	
		Top side			0.060	0.198	0.043	0.06	0.20	0.04	
		Bottom side	0.458					0.46	0.46	0.46	
Ant5 LTE Band (48)	Ant4 FR1 Band (n2&n66&n5&n71)	Front		0.200	0.062	0.032	0.053	0.26	0.23	0.25	
		Back	0.500	0.596	0.180	0.199	0.090	1.28	1.30	1.19	
		Left side		0.112	0.008	0.010	0.007	0.12	0.12	0.12	
		Right side		0.068	0.045	0.016	0.038	0.11	0.08	0.11	
		Top side		0.537	0.060	0.198	0.043	0.60	0.74	0.58	
		Bottom side						0.00	0.00	0.00	
Ant5 LTE Band (48)	Ant0 FR1 Band (n2&n66&n5&n71)	Front		0.256	0.062	0.032	0.053	0.32	0.29	0.31	
		Back	0.500	0.465	0.180	0.199	0.090	1.15	1.16	1.06	
		Left side		0.209	0.008	0.010	0.007	0.22	0.22	0.22	
		Right side		0.341	0.045	0.016	0.038	0.39	0.36	0.38	
		Top side			0.060	0.198	0.043	0.06	0.20	0.04	
		Bottom side		0.800				0.80	0.80	0.80	
Ant1 LTE Band (7&30)	Ant4 FR1 Band (n2&n5&n66)	Front			0.062	0.032	0.053	0.06	0.03	0.05	
		Back	0.738	0.596	0.180	0.199	0.090	1.51	1.53	1.42	
		Left side			0.008	0.010	0.007	0.01	0.01	0.01	
		Right side			0.045	0.016	0.038	0.05	0.02	0.04	
		Top side		0.537	0.060	0.198	0.043	0.60	0.74	0.58	
		Bottom side						0.00	0.00	0.00	
Ant1 LTE Band (7)	Ant4 FR1 Band (n7&n71)	Front		0.200	0.062	0.032	0.053	0.26	0.23	0.25	
		Back	0.738	0.320	0.180	0.199	0.090	1.24	1.26	1.15	
		Left side		0.422	0.008	0.010	0.007	0.43	0.43	0.43	
		Right side		0.068	0.045	0.016	0.038	0.11	0.08	0.11	
		Top side		0.296	0.060	0.198	0.043	0.36	0.49	0.34	
		Bottom side						0.00	0.00	0.00	
Ant4 LTE Band (7&30)	Ant5 FR1 Band (n77&n78 HPUE)	Front	0.243		0.062	0.032	0.053	0.31	0.28	0.30	
		Back	0.555		0.180	0.199	0.090	0.74	0.75	0.65	
		Left side	0.068		0.008	0.010	0.007	0.08	0.08	0.08	
		Right side	0.015		0.045	0.016	0.038	0.06	0.03	0.05	
		Top side	0.577	0.460	0.060	0.198	0.043	1.10	1.24	1.08	
		Bottom side						0.00	0.00	0.00	
Ant0 LTE Band (2)	Ant1 FR1 Band (n41)	Front			0.062	0.032	0.053	0.06	0.03	0.05	
		Back		0.674	0.180	0.199	0.090	0.85	0.87	0.76	
		Left side			0.008	0.010	0.007	0.01	0.01	0.01	
		Right side			0.045	0.016	0.038	0.05	0.02	0.04	
		Top side			0.060	0.198	0.043	0.06	0.20	0.04	
		Bottom side	0.780					0.78	0.78	0.78	
Ant0 LTE Band (4)	Ant1 FR1 Band (n41)	Front			0.062	0.032	0.053	0.06	0.03	0.05	
		Back		0.674	0.180	0.199	0.090	0.85	0.87	0.76	
		Left side			0.008	0.010	0.007	0.01	0.01	0.01	
		Right side			0.045	0.016	0.038	0.05	0.02	0.04	
		Top side			0.060	0.198	0.043	0.06	0.20	0.04	
		Bottom side	0.799					0.80	0.80	0.80	
Ant0 LTE Band (12)	Ant1 FR1 Band (n41)	Front	0.514		0.062	0.032	0.053	0.58	0.55	0.57	
		Back	0.720	0.674	0.180	0.199	0.090	1.57	1.59	1.48	
		Left side	0.394		0.008	0.010	0.007	0.40	0.40	0.40	
		Right side	0.624		0.045	0.016	0.038	0.67	0.64	0.66	
		Top side			0.060	0.198	0.043	0.06	0.20	0.04	
		Bottom side	0.458					0.46	0.46	0.46	
Ant0 LTE Band (25)	Ant1 FR1 Band (n41)	Front			0.062	0.032	0.053	0.06	0.03	0.05	
		Back		0.674	0.180	0.199	0.090	0.85	0.87	0.76	
		Left side			0.008	0.010	0.007	0.01	0.01	0.01	
		Right side			0.045	0.016	0.038	0.05	0.02	0.04	
		Top side			0.060	0.198	0.043	0.06	0.20	0.04	



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		Bottom side	0.780					0.78	0.78	0.78	
Ant0 LTE Band (26)	Ant1 FR1 Band (n41)	Front	0.797		0.062	0.032	0.053	0.86	0.83	0.85	
		Back	0.704	0.674	0.180	0.199	0.090	1.56	1.58	1.47	
		Left side	0.321		0.008	0.010	0.007	0.33	0.33	0.33	
		Right side	0.475		0.045	0.016	0.038	0.52	0.49	0.51	
		Top side			0.060	0.198	0.043	0.06	0.20	0.04	
		Bottom side	0.619					0.62	0.62	0.62	
Ant0 LTE Band (66)	Ant1 FR1 Band (n41)	Front			0.062	0.032	0.053	0.06	0.03	0.05	
		Back		0.674	0.180	0.199	0.090	0.85	0.87	0.76	
		Left side			0.008	0.010	0.007	0.01	0.01	0.01	
		Right side			0.045	0.016	0.038	0.05	0.02	0.04	
		Top side			0.060	0.198	0.043	0.06	0.20	0.04	
		Bottom side	0.799					0.80	0.80	0.80	
Ant0 LTE Band (71)	Ant1 FR1 Band (n41)	Front	0.551		0.062	0.032	0.053	0.61	0.58	0.60	
		Back	0.792	0.674	0.180	0.199	0.090	1.65	1.67	1.56	1&2
		Left side	0.444		0.008	0.010	0.007	0.45	0.45	0.45	
		Right side	0.740		0.045	0.016	0.038	0.79	0.76	0.78	
		Top side			0.060	0.198	0.043	0.06	0.20	0.04	
		Bottom side	0.746					0.75	0.75	0.75	

(UL CA)

WWAN Band	WWAN Band	Exposure Position	1	2	3	4	5	1+2+3	1+2+4	1+2+5
			WWAN	WWAN	WLAN2.4GHz Ant 8	WLAN5GHz Ant 8	Bluetooth Ant 8	Summed	Summed	Summed
			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)
Ant0 LTE Band (2)	Ant4 LTE Band (4&5&12&&13&14&66&71)	Front		0.281	0.062	0.032	0.053	0.34	0.31	0.33
		Back		0.583	0.180	0.199	0.090	0.76	0.78	0.67
		Left side		0.206	0.008	0.010	0.007	0.21	0.22	0.21
		Right side		0.145	0.045	0.016	0.038	0.19	0.16	0.18
		Top side		0.599	0.060	0.198	0.043	0.66	0.80	0.64
		Bottom side	0.780					0.78	0.78	0.78
Ant4 LTE Band (2&66)	Ant0 LTE Band (4&5&12&&13&66&71)	Front	0.000	0.306	0.062	0.032	0.053	0.37	0.34	0.36
		Back	0.583	0.465	0.180	0.199	0.090	1.23	1.25	1.14
		Left side		0.225	0.008	0.010	0.007	0.23	0.24	0.23
		Right side		0.353	0.045	0.016	0.038	0.40	0.37	0.39
		Top side			0.060	0.198	0.043	0.06	0.20	0.04
		Bottom side		0.800				0.80	0.80	0.80
Ant0 LTE Band (4)	Ant4 LTE Band (5&12&&13)	Front		0.281	0.062	0.032	0.053	0.34	0.31	0.33
		Back		0.493	0.180	0.199	0.090	0.67	0.69	0.58
		Left side		0.125	0.008	0.010	0.007	0.13	0.14	0.13
		Right side		0.106	0.045	0.016	0.038	0.15	0.12	0.14
		Top side		0.247	0.060	0.198	0.043	0.31	0.45	0.29
		Bottom side	0.799					0.80	0.80	0.80
Ant4 LTE Band (4)	Ant0 LTE Band (5&12&&13)	Front		0.797	0.062	0.032	0.053	0.86	0.83	0.85
		Back	0.583	0.720	0.180	0.199	0.090	1.48	1.50	1.39
		Left side		0.394	0.008	0.010	0.007	0.40	0.40	0.40
		Right side		0.624	0.045	0.016	0.038	0.67	0.64	0.66
		Top side			0.060	0.198	0.043	0.06	0.20	0.04
		Bottom side		0.619				0.62	0.62	0.62
Ant4 LTE Band (5&12&&13&14)	Ant0 LTE Band (66)	Front	0.281		0.062	0.032	0.053	0.34	0.31	0.33
		Back	0.544		0.180	0.199	0.090	0.72	0.74	0.63
		Left side	0.125		0.008	0.010	0.007	0.13	0.14	0.13
		Right side	0.106		0.045	0.016	0.038	0.15	0.12	0.14
		Top side	0.247		0.060	0.198	0.043	0.31	0.45	0.29
		Bottom side		0.799				0.80	0.80	0.80
Ant0 LTE Band	Ant4 LTE Band (66)	Front	0.797		0.062	0.032	0.053	0.86	0.83	0.85

Sporton International Inc. (Kunshan)

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FCC ID : IHD756AH4

Issued Date : Nov. 15, 2022

Form version. : 200414



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(5&12&&13)		Back	0.704	0.583	0.180	0.199	0.090	1.47	1.49	1.38
		Left side	0.372		0.008	0.010	0.007	0.38	0.38	0.38
		Right side	0.586		0.045	0.016	0.038	0.63	0.60	0.62
		Top side			0.060	0.198	0.043	0.06	0.20	0.04
		Bottom side	0.619					0.62	0.62	0.62
Ant4 LTE Band (5&12&&14)	Ant1 LTE Band (30)	Front	0.231		0.062	0.032	0.053	0.29	0.26	0.28
		Back	0.493	0.687	0.180	0.199	0.090	1.36	1.38	1.27
		Left side	0.090		0.008	0.010	0.007	0.10	0.10	0.10
		Right side	0.064		0.045	0.016	0.038	0.11	0.08	0.10
		Top side	0.599		0.060	0.198	0.043	0.66	0.80	0.64
Ant5 LTE Band (48)	Ant0 LTE Band (66)	Bottom side						0.00	0.00	0.00
		Front			0.062	0.032	0.053	0.06	0.03	0.05
		Back	0.500		0.180	0.199	0.090	0.68	0.70	0.59
		Left side			0.008	0.010	0.007	0.01	0.01	0.01
		Right side			0.045	0.016	0.038	0.05	0.02	0.04
Ant5 LTE Band (48)	Ant4 LTE Band (66)	Top side			0.060	0.198	0.043	0.06	0.20	0.04
		Bottom side		0.799				0.80	0.80	0.80
		Front			0.062	0.032	0.053	0.06	0.03	0.05
		Back	0.500	0.583	0.180	0.199	0.090	1.26	1.28	1.17
		Left side			0.008	0.010	0.007	0.01	0.01	0.01
Ant0 LTE Band (2&5&13)	Ant5 LTE Band (48)	Right side			0.045	0.016	0.038	0.05	0.02	0.04
		Top side			0.060	0.198	0.043	0.06	0.20	0.04
		Bottom side						0.00	0.00	0.00
		Front	0.797		0.062	0.032	0.053	0.86	0.83	0.85
		Back	0.704	0.500	0.180	0.199	0.090	1.38	1.40	1.29
Ant4 LTE Band (2&5&13)	Ant5 LTE Band (48)	Left side	0.372		0.008	0.010	0.007	0.38	0.38	0.38
		Right side	0.586		0.045	0.016	0.038	0.63	0.60	0.62
		Top side			0.060	0.198	0.043	0.06	0.20	0.04
		Bottom side	0.780					0.78	0.78	0.78
		Front	0.281		0.062	0.032	0.053	0.34	0.31	0.33
Ant4 LTE Band (2&5&13)	Ant5 LTE Band (48)	Back	0.544	0.500	0.180	0.199	0.090	1.22	1.24	1.13
		Left side	0.125		0.008	0.010	0.007	0.13	0.14	0.13
		Right side	0.106		0.045	0.016	0.038	0.15	0.12	0.14
		Top side	0.247		0.060	0.198	0.043	0.31	0.45	0.29
		Bottom side						0.00	0.00	0.00



16.3 Body-Worn Accessory Exposure Conditions

WWAN Band	Exposure Position	1	2	3	4	1+2	1+3	1+4
		WWAN	WLAN2.4GHz Ant 8	WLAN5GHz Ant 8	Bluetooth Ant 8	Summed	Summed	Summed
		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 Ant0	Front	0.805	0.180	0.190	0.053	0.99	1.00	0.86
	Back	0.738	0.180	0.190	0.090	0.92	0.93	0.83
	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
	Back with Headset		0.180	0.190	0.090	0.18	0.19	0.09
GSM1900 Ant0	Front	0.971	0.180	0.190	0.053	1.15	1.16	1.02
	Back	1.365	0.180	0.190	0.090	1.55	1.56	1.46
	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
	Back with Headset	1.352	0.180	0.190	0.090	1.53	1.54	1.44
WCDMA II Ant0	Front	0.733	0.180	0.190	0.053	0.91	0.92	0.79
	Back	1.201	0.180	0.190	0.090	1.38	1.39	1.29
	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
	Back with Headset	1.159	0.180	0.190	0.090	1.34	1.35	1.25
WCDMA IV Ant0	Front	1.378	0.180	0.190	0.053	1.56	1.57	1.43
	Back	1.343	0.180	0.190	0.090	1.52	1.53	1.43
	Front with Headset	1.304	0.180	0.190	0.053	1.48	1.49	1.36
	Back with Headset		0.180	0.190	0.090	0.18	0.19	0.09
WCDMA V Ant0	Front	0.654	0.180	0.190	0.053	0.83	0.84	0.71
	Back	0.621	0.180	0.190	0.090	0.80	0.81	0.71
	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
	Back with Headset		0.180	0.190	0.090	0.18	0.19	0.09
LTE Band 7 Ant1	Front	0.874	0.180	0.190	0.053	1.05	1.06	0.93
	Back	1.203	0.180	0.190	0.090	1.38	1.39	1.29
	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
	Back with Headset	1.164	0.180	0.190	0.090	1.34	1.35	1.25
LTE Band 12 (17) Ant0	Front	0.514	0.180	0.190	0.053	0.69	0.70	0.57
	Back	0.720	0.180	0.190	0.090	0.90	0.91	0.81
	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
	Back with Headset		0.180	0.190	0.090	0.18	0.19	0.09
LTE Band 12 Ant4	Front	0.340	0.180	0.190	0.053	0.52	0.53	0.39
	Back	0.561	0.180	0.190	0.090	0.74	0.75	0.65
	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
	Back with Headset		0.180	0.190	0.090	0.18	0.19	0.09
LTE Band 13 Ant0	Front	0.536	0.180	0.190	0.053	0.72	0.73	0.59
	Back	0.603	0.180	0.190	0.090	0.78	0.79	0.69
	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
	Back with Headset		0.180	0.190	0.090	0.18	0.19	0.09
LTE Band 13 Ant4	Front	0.281	0.180	0.190	0.053	0.46	0.47	0.33
	Back	0.372	0.180	0.190	0.090	0.55	0.56	0.46
	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
	Back with Headset		0.180	0.190	0.090	0.18	0.19	0.09
LTE Band 14 Ant0	Front	0.582	0.180	0.190	0.053	0.76	0.77	0.64
	Back	0.599	0.180	0.190	0.090	0.78	0.79	0.69
	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
	Back with Headset		0.180	0.190	0.090	0.18	0.19	0.09
LTE Band 25 (2) Ant0	Front	0.845	0.180	0.190	0.053	1.03	1.04	0.90
	Back	1.385	0.180	0.190	0.090	1.57	1.58	1.48
	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
	Back with Headset	1.291	0.180	0.190	0.090	1.47	1.48	1.38
LTE Band 25 (2) Ant4	Front	0.535	0.180	0.190	0.053	0.72	0.73	0.59
	Back	1.281	0.180	0.190	0.090	1.46	1.47	1.37



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	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
	Back with Headset	1.258	0.180	0.190	0.090	1.44	1.45	1.35
LTE Band 26 (5) Ant0	Front	0.797	0.180	0.190	0.053	0.98	0.99	0.85
	Back	0.704	0.180	0.190	0.090	0.88	0.89	0.79
	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
	Back with Headset		0.180	0.190	0.090	0.18	0.19	0.09
LTE Band 26 (5) Ant4	Front	0.542	0.180	0.190	0.053	0.72	0.73	0.60
	Back	0.715	0.180	0.190	0.090	0.90	0.91	0.81
	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
	Back with Headset		0.180	0.190	0.090	0.18	0.19	0.09
LTE Band 30 Ant1	Front	0.750	0.180	0.190	0.053	0.93	0.94	0.80
	Back	1.111	0.180	0.190	0.090	1.29	1.30	1.20
	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
	Back with Headset		0.180	0.190	0.090	0.18	0.19	0.09
LTE Band 41_HPUE Ant1	Front	0.735	0.180	0.190	0.053	0.92	0.93	0.79
	Back	1.170	0.180	0.190	0.090	1.35	1.36	1.26
	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
	Back with Headset		0.180	0.190	0.090	0.18	0.19	0.09
LTE Band 48 Ant5	Front	0.768	0.180	0.190	0.053	0.95	0.96	0.82
	Back	1.243	0.180	0.190	0.090	1.42	1.43	1.33
	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
	Back with Headset	1.231	0.180	0.190	0.090	1.41	1.42	1.32
LTE Band 66 (4) Ant0	Front	1.324	0.180	0.190	0.053	1.50	1.51	1.38
	Back	1.307	0.180	0.190	0.090	1.49	1.50	1.40
	Front with Headset	1.291	0.180	0.190	0.053	1.47	1.48	1.34
	Back with Headset		0.180	0.190	0.090	0.18	0.19	0.09
LTE Band 66 (4) Ant4	Front	0.568	0.180	0.190	0.053	0.75	0.76	0.62
	Back	1.231	0.180	0.190	0.090	1.41	1.42	1.32
	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
	Back with Headset	1.200	0.180	0.190	0.090	1.38	1.39	1.29
LTE Band 71 Ant0	Front	0.551	0.180	0.190	0.053	0.73	0.74	0.60
	Back	0.792	0.180	0.190	0.090	0.97	0.98	0.88
	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
	Back with Headset		0.180	0.190	0.090	0.18	0.19	0.09
LTE Band 71 Ant4	Front	0.278	0.180	0.190	0.053	0.46	0.47	0.33
	Back	0.346	0.180	0.190	0.090	0.53	0.54	0.44
	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
	Back with Headset		0.180	0.190	0.090	0.18	0.19	0.09

WWAN Band	Exposure Position	1	2	3	4	1+2	1+3	1+4
		FR1	WLAN2.4GHz Ant 8	WLAN5GHz Ant 8	Bluetooth Ant 8	Summed	Summed	Summed
		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)
FR1 n7 Ant1	Front	0.961	0.180	0.190	0.053	1.14	1.15	1.01
	Back	1.362	0.180	0.190	0.090	1.54	1.55	1.45
	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
	Back with Headset	1.228	0.180	0.190	0.090	1.41	1.42	1.32
FR1 n12 Ant0	Front	0.306	0.180	0.190	0.053	0.49	0.50	0.36
	Back	0.460	0.180	0.190	0.090	0.64	0.65	0.55
	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
	Back with Headset		0.180	0.190	0.090	0.18	0.19	0.09
FR1 n12 Ant4	Front	0.375	0.180	0.190	0.053	0.56	0.57	0.43
	Back	0.587	0.180	0.190	0.090	0.77	0.78	0.68
	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
	Back with Headset		0.180	0.190	0.090	0.18	0.19	0.09
FR1 n14 Ant0	Front	0.483	0.180	0.190	0.053	0.66	0.67	0.54

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	Back	0.466	0.180	0.190	0.090	0.65	0.66	0.56
	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
	Back with Headset		0.180	0.190	0.090	0.18	0.19	0.09
FR1 n25 (2) Ant0	Front	0.876	0.180	0.190	0.053	1.06	1.07	0.93
	Back	1.378	0.180	0.190	0.090	1.56	1.57	1.47
	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
FR1 n25 (2) Ant4	Back with Headset	1.300	0.180	0.190	0.090	1.48	1.49	1.39
	Front	0.644	0.180	0.190	0.053	0.82	0.83	0.70
	Back	1.400	0.180	0.190	0.090	1.58	1.59	1.49
FR1 n26 (5) Ant0	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
	Back with Headset	1.379	0.180	0.190	0.090	1.56	1.57	1.47
	Front	0.649	0.180	0.190	0.053	0.83	0.84	0.70
FR1 n26 (5) Ant4	Back	0.615	0.180	0.190	0.090	0.80	0.81	0.71
	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
	Back with Headset		0.180	0.190	0.090	0.18	0.19	0.09
FR1 n30 Ant1	Front	0.593	0.180	0.190	0.053	0.77	0.78	0.65
	Back	0.597	0.180	0.190	0.090	0.78	0.79	0.69
	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
FR1 n41 HPUE Ant1	Back with Headset		0.180	0.190	0.090	0.18	0.19	0.09
	Front	0.987	0.180	0.190	0.053	1.17	1.18	1.04
	Back	1.385	0.180	0.190	0.090	1.57	1.58	1.48
FR1 n41 HPUE Ant3	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
	Back with Headset	1.292	0.180	0.190	0.090	1.47	1.48	1.38
	Front	1.009	0.180	0.190	0.053	1.19	1.20	1.06
FR1 n41 HPUE Ant4	Back	1.277	0.180	0.190	0.090	1.46	1.47	1.37
	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
	Back with Headset	1.208	0.180	0.190	0.090	1.39	1.40	1.30
FR1 n41 HPUE Ant6	Front	0.144	0.180	0.190	0.053	0.32	0.33	0.20
	Back	1.393	0.180	0.190	0.090	1.57	1.58	1.48
	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
FR1 n48 Ant5	Back with Headset	1.274	0.180	0.190	0.090	1.45	1.46	1.36
	Front	1.183	0.180	0.190	0.053	1.36	1.37	1.24
	Back	1.249	0.180	0.190	0.090	1.43	1.44	1.34
FR1 n66 Ant0	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
	Back with Headset	1.204	0.180	0.190	0.090	1.38	1.39	1.29
	Front	0.548	0.180	0.190	0.053	0.73	0.74	0.60
FR1 n66 Ant4	Back	0.930	0.180	0.190	0.090	1.11	1.12	1.02
	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
	Back with Headset		0.180	0.190	0.090	0.18	0.19	0.09
FR1 n70 Ant0	Front	0.910	0.180	0.190	0.053	1.09	1.10	0.96
	Back	1.385	0.180	0.190	0.090	1.57	1.58	1.48
	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
FR1 n71 Ant0	Back with Headset	1.297	0.180	0.190	0.090	1.48	1.49	1.39
	Front	1.391	0.180	0.190	0.053	1.57	1.58	1.44
	Back	1.161	0.180	0.190	0.090	1.34	1.35	1.25
FR1 n71 Ant0	Front with Headset	1.260	0.180	0.190	0.053	1.44	1.45	1.31
	Back with Headset		0.180	0.190	0.090	0.18	0.19	0.09
	Front	0.554	0.180	0.190	0.053	0.73	0.74	0.61
FR1 n71 Ant0	Back	1.307	0.180	0.190	0.090	1.49	1.50	1.40
	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
	Back with Headset	1.262	0.180	0.190	0.090	1.44	1.45	1.35
FR1 n71 Ant0	Front	1.262	0.180	0.190	0.053	1.44	1.45	1.32
	Back	0.848	0.180	0.190	0.090	1.03	1.04	0.94
	Front with Headset	1.236	0.180	0.190	0.053	1.42	1.43	1.29
	Back with Headset		0.180	0.190	0.090	0.18	0.19	0.09
FR1 n71 Ant0	Front	0.256	0.180	0.190	0.053	0.44	0.45	0.31

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	Back	0.465	0.180	0.190	0.090	0.65	0.66	0.56
	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
	Back with Headset		0.180	0.190	0.090	0.18	0.19	0.09
FR1 n71 Ant4	Front	0.200	0.180	0.190	0.053	0.38	0.39	0.25
	Back	0.320	0.180	0.190	0.090	0.50	0.51	0.41
	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
FR1 n77 HPUE_Part270 Ant3	Back with Headset		0.180	0.190	0.090	0.18	0.19	0.09
	Front	0.013	0.180	0.190	0.053	0.19	0.20	0.07
	Back	1.006	0.180	0.190	0.090	1.19	1.20	1.10
FR1 n77 HPUE_Part270 Ant5	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
	Back with Headset		0.180	0.190	0.090	0.18	0.19	0.09
	Front	1.060	0.180	0.190	0.053	1.24	1.25	1.11
FR1 n77 HPUE_Part270 Ant1	Back	1.390	0.180	0.190	0.090	1.57	1.58	1.48
	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
	Back with Headset	1.351	0.180	0.190	0.090	1.53	1.54	1.44
FR1 n77 HPUE_Part270 Ant7	Front	0.577	0.180	0.190	0.053	0.76	0.77	0.63
	Back	0.513	0.180	0.190	0.090	0.69	0.70	0.60
	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
FR1 n77 HPUE_Part270 Ant3	Back with Headset		0.180	0.190	0.090	0.18	0.19	0.09
	Front	0.063	0.180	0.190	0.053	0.24	0.25	0.12
	Back	0.695	0.180	0.190	0.090	0.88	0.89	0.79
FR1 n77 HPUE_Part270Q Ant5	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
	Back with Headset		0.180	0.190	0.090	0.18	0.19	0.09
	Front	0.011	0.180	0.190	0.053	0.19	0.20	0.06
FR1 n77 HPUE_Part270Q Ant1	Back	0.128	0.180	0.190	0.090	0.31	0.32	0.22
	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
	Back with Headset		0.180	0.190	0.090	0.18	0.19	0.09
FR1 n77 HPUE_Part270Q Ant7	Front	1.132	0.180	0.190	0.053	1.31	1.32	1.19
	Back	1.092	0.180	0.190	0.090	1.27	1.28	1.18
	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
FR1 n77 HPUE_Part270Q Ant3	Back with Headset		0.180	0.190	0.090	0.18	0.19	0.09
	Front	0.453	0.180	0.190	0.053	0.63	0.64	0.51
	Back	0.534	0.180	0.190	0.090	0.71	0.72	0.62
FR1 n77 HPUE_Part270Q Ant5	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
	Back with Headset		0.180	0.190	0.090	0.18	0.19	0.09
	Front	0.102	0.180	0.190	0.053	0.28	0.29	0.16
FR1 n77 HPUE_Part270Q Ant1	Back	1.263	0.180	0.190	0.090	1.44	1.45	1.35
	Front with Headset		0.180	0.190	0.053	0.18	0.19	0.05
	Back with Headset	1.165	0.180	0.190	0.090	1.35	1.36	1.26

WWAN Band	FR1 Band	Exposure Position	1	2	3	4	5	1+2+3	1+2+4	1+2+5
			WWAN	FR1	WLAN2.4GHz Ant 8	WLAN5GHz Ant 8	Bluetooth Ant 8	Summed	Summed	Summed
Ant0 LTE Band (2&66)	Ant4 FR1 Band (n2&n5&n7&n12&n30&n66&n71)	Front	0.775	0.375	0.180	0.190	0.053	1.33	1.34	1.20
		Back	0.799	0.597	0.180	0.190	0.090	1.58	1.59	1.49
		Front with Headset			0.180	0.190	0.053	0.18	0.19	0.05
		Back with Headset			0.180	0.190	0.090	0.18	0.19	0.09
Ant4 LTE Band (2&66)	Ant0 FR1 Band (n2&n5&n12&n66&n71)	Front	0.583	0.784	0.180	0.190	0.053	1.55	1.56	1.42
		Back	0.583	0.740	0.180	0.190	0.090	1.50	1.51	1.41
		Front with Headset			0.180	0.190	0.053	0.18	0.19	0.05
		Back with Headset			0.180	0.190	0.090	0.18	0.19	0.09
Ant0 LTE Band (66)	Ant4 FR1 Band (n25)	Front	0.775	0.590	0.180	0.190	0.053	1.55	1.56	1.42
		Back	0.775	0.590	0.180	0.190	0.090	1.55	1.56	1.46
		Front with Headset			0.180	0.190	0.053	0.18	0.19	0.05

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		Back with Headset			0.180	0.190	0.090	0.18	0.19	0.09
Ant4 LTE Band (66)	Ant0 FR1 Band (n25)	Front	0.583	0.740	0.180	0.190	0.053	1.50	1.51	1.38
		Back	0.583	0.740	0.180	0.190	0.090	1.50	1.51	1.41
		Front with Headset			0.180	0.190	0.053	0.18	0.19	0.05
		Back with Headset			0.180	0.190	0.090	0.18	0.19	0.09
Ant4 LTE Band (2&4&12&25&26&66&71)	Ant1 FR1 Band (n41)	Front	0.340	0.674	0.180	0.190	0.053	1.19	1.20	1.07
		Back	0.583	0.674	0.180	0.190	0.090	1.44	1.45	1.35
		Front with Headset			0.180	0.190	0.053	0.18	0.19	0.05
		Back with Headset			0.180	0.190	0.090	0.18	0.19	0.09
Ant4 LTE Band (5)	Ant1 FR1 Band (n7)	Front	0.493	0.704	0.180	0.190	0.053	1.38	1.39	1.25
		Back	0.493	0.704	0.180	0.190	0.090	1.38	1.39	1.29
		Front with Headset			0.180	0.190	0.053	0.18	0.19	0.05
		Back with Headset			0.180	0.190	0.090	0.18	0.19	0.09
Ant4 LTE Band (5&12&14)	Ant1 FR1 Band (n30)	Front	0.340	0.698	0.180	0.190	0.053	1.22	1.23	1.09
		Back	0.561	0.698	0.180	0.190	0.090	1.44	1.45	1.35
		Front with Headset			0.180	0.190	0.053	0.18	0.19	0.05
		Back with Headset			0.180	0.190	0.090	0.18	0.19	0.09
Ant0 LTE Band (2&5&12&13&14&25&66)	Ant5 FR1 Band (n77&n78 HPUE)	Front	0.797	0.527	0.180	0.190	0.053	1.50	1.51	1.38
		Back	0.799	0.598	0.180	0.190	0.090	1.58	1.59	1.49
		Front with Headset			0.180	0.190	0.053	0.18	0.19	0.05
		Back with Headset			0.180	0.190	0.090	0.18	0.19	0.09
Ant4 LTE Band (2&5&12&13&25&66)	Ant3 FR1 Band (n77 HPUE)	Front	0.340	0.449	0.180	0.190	0.053	0.97	0.98	0.84
		Back	0.583	0.449	0.180	0.190	0.090	1.21	1.22	1.12
		Front with Headset			0.180	0.190	0.053	0.18	0.19	0.05
		Back with Headset			0.180	0.190	0.090	0.18	0.19	0.09
Ant0 LTE Band (4&71)	Ant5 FR1 Band (n78 HPUE)	Front	0.775	0.527	0.180	0.190	0.053	1.48	1.49	1.36
		Back	0.792	0.598	0.180	0.190	0.090	1.57	1.58	1.48
		Front with Headset			0.180	0.190	0.053	0.18	0.19	0.05
		Back with Headset			0.180	0.190	0.090	0.18	0.19	0.09
Ant4 LTE Band (5&12&13&14&71)	Ant0 FR1 Band (n2&66)	Front	0.340	0.784	0.180	0.190	0.053	1.30	1.31	1.18
		Back	0.561	0.740	0.180	0.190	0.090	1.48	1.49	1.39
		Front with Headset			0.180	0.190	0.053	0.18	0.19	0.05
		Back with Headset			0.180	0.190	0.090	0.18	0.19	0.09
Ant4 LTE Band (12)	Ant0 FR1 Band (n25)	Front	0.340	0.740	0.180	0.190	0.053	1.26	1.27	1.13
		Back	0.561	0.740	0.180	0.190	0.090	1.48	1.49	1.39
		Front with Headset			0.180	0.190	0.053	0.18	0.19	0.05
		Back with Headset			0.180	0.190	0.090	0.18	0.19	0.09
Ant0 LTE Band (5&12&13&71)	Ant4 FR1 Band (n2&66)	Front	0.792	0.594	0.180	0.190	0.053	1.57	1.58	1.44
		Back	0.797	0.597	0.180	0.190	0.090	1.57	1.58	1.48
		Front with Headset			0.180	0.190	0.053	0.18	0.19	0.05
		Back with Headset			0.180	0.190	0.090	0.18	0.19	0.09
Ant0 LTE Band (12)	Ant4 FR1 Band (n25)	Front	0.514	0.590	0.180	0.190	0.053	1.28	1.29	1.16
		Back	0.720	0.590	0.180	0.190	0.090	1.49	1.50	1.40
		Front with Headset			0.180	0.190	0.053	0.18	0.19	0.05
		Back with Headset			0.180	0.190	0.090	0.18	0.19	0.09
Ant5 LTE Band (48)	Ant4 FR1 Band (n2&n66&n5&n71)	Front	0.500	0.200	0.180	0.190	0.053	0.88	0.89	0.75
		Back	0.500	0.597	0.180	0.190	0.090	1.28	1.29	1.19
		Front with Headset			0.180	0.190	0.053	0.18	0.19	0.05
		Back with Headset			0.180	0.190	0.090	0.18	0.19	0.09
Ant5 LTE Band (48)	Ant0 FR1 Band (n2&n66&n5&n71)	Front	0.500	0.784	0.180	0.190	0.053	1.46	1.47	1.34
		Back	0.500	0.740	0.180	0.190	0.090	1.42	1.43	1.33
		Front with Headset			0.180	0.190	0.053	0.18	0.19	0.05
		Back with Headset			0.180	0.190	0.090	0.18	0.19	0.09
Ant1 LTE Band (7&30)	Ant4 FR1 Band (n2&n5&n66)	Front	0.738	0.597	0.180	0.190	0.053	1.52	1.53	1.39
		Back	0.738	0.597	0.180	0.190	0.090	1.52	1.53	1.43
		Front with Headset			0.180	0.190	0.053	0.18	0.19	0.05

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		Back with Headset			0.180	0.190	0.090	0.18	0.19	0.09
Ant1 LTE Band (7)	Ant4 FR1 Band (n7&n71)	Front	0.738	0.220	0.180	0.190	0.053	1.14	1.15	1.01
		Back	0.738	0.403	0.180	0.190	0.090	1.32	1.33	1.23
		Front with Headset			0.180	0.190	0.053	0.18	0.19	0.05
		Back with Headset			0.180	0.190	0.090	0.18	0.19	0.09
Ant4 LTE Band (7&30)	Ant5 FR1 Band (n77&n78 HPUE)	Front	0.326	0.527	0.180	0.190	0.053	1.03	1.04	0.91
		Back	0.555	0.598	0.180	0.190	0.090	1.33	1.34	1.24
		Front with Headset			0.180	0.190	0.053	0.18	0.19	0.05
		Back with Headset			0.180	0.190	0.090	0.18	0.19	0.09

WWAN Band	FR1 Band	Exposure Position	1	2	3	4	5	1+2+3	1+2+4	1+2+5	Case No
			WWAN	FR1	WLAN2.4GHz Ant 8	WLAN5GHz Ant 8	Bluetooth Ant 8	Summed	Summed	Summed	
			1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	
LTE Band 2 Ant0	FR1 n41 HPUE Ant1	Front			0.180	0.190	0.053	0.18	0.19	0.05	
		Back	0.799	0.674	0.180	0.190	0.090	1.65	1.66	1.56	1&2
		Front with Headset			0.180	0.190	0.053	0.18	0.19	0.05	
		Back with Headset			0.180	0.190	0.090	0.18	0.19	0.09	
LTE Band 4 Ant0	FR1 n41 HPUE Ant1	Front	0.775		0.180	0.190	0.053	0.96	0.97	0.83	
		Back		0.674	0.180	0.190	0.090	0.85	0.86	0.76	
		Front with Headset			0.180	0.190	0.053	0.18	0.19	0.05	
		Back with Headset			0.180	0.190	0.090	0.18	0.19	0.09	
LTE Band 12 (17) Ant0	FR1 n41 HPUE Ant1	Front	0.514		0.180	0.190	0.053	0.69	0.70	0.57	
		Back	0.720	0.674	0.180	0.190	0.090	1.57	1.58	1.48	
		Front with Headset			0.180	0.190	0.053	0.18	0.19	0.05	
		Back with Headset			0.180	0.190	0.090	0.18	0.19	0.09	
LTE Band 25 (2) Ant0	FR1 n41 HPUE Ant1	Front			0.180	0.190	0.053	0.18	0.19	0.05	
		Back	0.799	0.674	0.180	0.190	0.090	1.65	1.66	1.56	1&2
		Front with Headset			0.180	0.190	0.053	0.18	0.19	0.05	
		Back with Headset			0.180	0.190	0.090	0.18	0.19	0.09	
LTE Band 26 (5) Ant0	FR1 n41 HPUE Ant1	Front	0.797		0.180	0.190	0.053	0.98	0.99	0.85	
		Back	0.704	0.674	0.180	0.190	0.090	1.56	1.57	1.47	
		Front with Headset			0.180	0.190	0.053	0.18	0.19	0.05	
		Back with Headset			0.180	0.190	0.090	0.18	0.19	0.09	
LTE Band 66 (4) Ant0	FR1 n41 HPUE Ant1	Front	0.775		0.180	0.190	0.053	0.96	0.97	0.83	
		Back		0.674	0.180	0.190	0.090	0.85	0.86	0.76	
		Front with Headset			0.180	0.190	0.053	0.18	0.19	0.05	
		Back with Headset			0.180	0.190	0.090	0.18	0.19	0.09	
LTE Band 71 Ant0	FR1 n41 HPUE Ant1	Front	0.551		0.180	0.190	0.053	0.73	0.74	0.60	
		Back	0.792	0.674	0.180	0.190	0.090	1.65	1.66	1.56	3&4
		Front with Headset			0.180	0.190	0.053	0.18	0.19	0.05	
		Back with Headset			0.180	0.190	0.090	0.18	0.19	0.09	



(UL CA)

WWAN Band	WWAN Band	Exposure Position	1	2	3	4	5	1+2+3	1+2+4	1+2+5
			WWAN	WWAN	WLAN2.4GHz Ant 8	WLAN5GHz Ant 8	Bluetooth Ant 8	Summed	Summed	Summed
			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)
Ant0 LTE Band (2)	Ant4 LTE Band (4&5&12&&13&14&66&71)	Front	0.799	0.583	0.180	0.190	0.053	1.56	1.57	1.44
		Back	0.799	0.583	0.180	0.190	0.090	1.56	1.57	1.47
		Front with Headset			0.180	0.190	0.053	0.18	0.19	0.05
		Back with Headset			0.180	0.190	0.090	0.18	0.19	0.09
Ant4 LTE Band (2)	Ant0 LTE Band (4&5&12&&13&66&71)	Front	0.544	0.792	0.180	0.190	0.053	1.52	1.53	1.39
		Back	0.544	0.792	0.180	0.190	0.090	1.52	1.53	1.43
		Front with Headset			0.180	0.190	0.053	0.18	0.19	0.05
		Back with Headset			0.180	0.190	0.090	0.18	0.19	0.09
Ant0 LTE Band (4)	Ant4 LTE Band (5&12&&13)	Front	0.775	0.561	0.180	0.190	0.053	1.52	1.53	1.39
		Back	0.775	0.561	0.180	0.190	0.090	1.52	1.53	1.43
		Front with Headset			0.180	0.190	0.053	0.18	0.19	0.05
		Back with Headset			0.180	0.190	0.090	0.18	0.19	0.09
Ant4 LTE Band (4)	Ant0 LTE Band (5&12&&13)	Front	0.583	0.720	0.180	0.190	0.053	1.48	1.49	1.36
		Back	0.583	0.720	0.180	0.190	0.090	1.48	1.49	1.39
		Front with Headset			0.180	0.190	0.053	0.18	0.19	0.05
		Back with Headset			0.180	0.190	0.090	0.18	0.19	0.09
Ant4 LTE Band (5&12&&13&14)	Ant0 LTE Band (66)	Front	0.340	0.775	0.180	0.190	0.053	1.30	1.31	1.17
		Back	0.561	0.775	0.180	0.190	0.090	1.52	1.53	1.43
		Front with Headset			0.180	0.190	0.053	0.18	0.19	0.05
		Back with Headset			0.180	0.190	0.090	0.18	0.19	0.09
Ant4 LTE Band (5&12&&14)	Ant1 LTE Band (30)	Front	0.340	0.687	0.180	0.190	0.053	1.21	1.22	1.08
		Back	0.561	0.687	0.180	0.190	0.090	1.43	1.44	1.34
		Front with Headset			0.180	0.190	0.053	0.18	0.19	0.05
		Back with Headset			0.180	0.190	0.090	0.18	0.19	0.09
Ant5 LTE Band (48)	Ant0 LTE Band (66)	Front	0.500	0.775	0.180	0.190	0.053	1.46	1.47	1.33
		Back	0.500	0.775	0.180	0.190	0.090	1.46	1.47	1.37
		Front with Headset			0.180	0.190	0.053	0.18	0.19	0.05
		Back with Headset			0.180	0.190	0.090	0.18	0.19	0.09
Ant5 LTE Band (48)	Ant4 LTE Band (66)	Front	0.500	0.583	0.180	0.190	0.053	1.26	1.27	1.14
		Back	0.500	0.583	0.180	0.190	0.090	1.26	1.27	1.17
		Front with Headset			0.180	0.190	0.053	0.18	0.19	0.05
		Back with Headset			0.180	0.190	0.090	0.18	0.19	0.09
Ant0 LTE Band (2&5&13)	Ant5 LTE Band (48)	Front	0.799	0.500	0.180	0.190	0.053	1.48	1.49	1.35
		Back	0.799	0.500	0.180	0.190	0.090	1.48	1.49	1.39
		Front with Headset			0.180	0.190	0.053	0.18	0.19	0.05
		Back with Headset			0.180	0.190	0.090	0.18	0.19	0.09
Ant4 LTE Band (2&5&13)	Ant5 LTE Band (48)	Front	0.544	0.500	0.180	0.190	0.053	1.22	1.23	1.10
		Back	0.544	0.500	0.180	0.190	0.090	1.22	1.23	1.13
		Front with Headset			0.180	0.190	0.053	0.18	0.19	0.05
		Back with Headset			0.180	0.190	0.090	0.18	0.19	0.09

<Sensor off>

WWAN Band	Exposure Position	1	2	3	1+2	1+3
		WWAN	WLAN2.4GHz Ant 8	WLAN5GHz Ant 8	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
GSM1900 Ant0	Front at 14mm	0.936	0.275	0.229	1.21	1.17
	Back at 21mm	0.790	0.135	0.709	0.93	1.50
WCDMA II Ant0	Front at 14mm	1.192	0.275	0.229	1.47	1.42
	Back at 21mm	0.790	0.135	0.709	0.93	1.50
WCDMA IV Ant0	Front at 14mm	1.124	0.275	0.229	1.40	1.35
	Back at 21mm	0.547	0.135	0.709	0.68	1.26
LTE Band 7 Ant1	Front at 14mm	0.721	0.275	0.229	1.00	0.95
	Back at 21mm	0.388	0.135	0.709	0.52	1.10
LTE Band 25 (2) Ant0	Front at 14mm	1.080	0.275	0.229	1.36	1.31
	Back at 21mm	0.876	0.135	0.709	1.01	1.59
LTE Band 25 (2) Ant4	Front at 14mm	0.419	0.275	0.229	0.69	0.65
	Back at 21mm	0.177	0.135	0.709	0.31	0.89
LTE Band 30 Ant1	Front at 14mm	0.363	0.275	0.229	0.64	0.59
	Back at 21mm	0.262	0.135	0.709	0.40	0.97
LTE Band 41	Front at 14mm	0.760	0.275	0.229	1.04	0.99
	Back at 21mm	0.435	0.135	0.709	0.57	1.14
LTE Band 48 Ant5	Front at 14mm	0.523	0.275	0.229	0.80	0.75
	Back at 21mm	0.333	0.135	0.709	0.47	1.04
LTE Band 66 (4) Ant0	Front at 14mm	1.304	0.275	0.229	1.58	1.53
	Back at 21mm	0.749	0.135	0.709	0.88	1.46
LTE Band 66 (4) Ant4	Front at 14mm	0.618	0.275	0.229	0.89	0.85
	Back at 21mm	0.135	0.135	0.709	0.27	0.84

WWAN Band	Exposure Position	1	2	3	1+2	1+3
		FR1	WLAN2.4GHz Ant 8	WLAN5GHz Ant 8	Summed	Summed
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)
FR1 n7 Ant1	Front at 14mm	0.513	0.275	0.229	0.79	0.74
	Back at 21mm	0.307	0.135	0.709	0.44	1.02
FR1 n25 (2) Ant0	Front at 14mm	0.757	0.275	0.229	1.03	0.99
	Back at 21mm	0.565	0.135	0.709	0.70	1.27
FR1 n30 Ant1	Front at 14mm	0.318	0.275	0.229	0.59	0.55
	Back at 21mm	0.171	0.135	0.709	0.31	0.88
FR1 n41 HPUE Ant1	Front at 14mm	1.094	0.275	0.229	1.37	1.32
	Back at 21mm	0.595	0.135	0.709	0.73	1.30
FR1 n41_HPUE Ant3	Front at 14mm	0.214	0.275	0.229	0.49	0.44
	Back at 21mm	0.433	0.135	0.709	0.57	1.14
FR1 n41 HPUE Ant4	Front at 14mm	0.837	0.275	0.229	1.11	1.07
	Back at 21mm	0.393	0.135	0.709	0.53	1.10
FR1 n41 HPUE Ant6	Front at 14mm	0.334	0.275	0.229	0.61	0.56
	Back at 21mm	0.095	0.135	0.709	0.23	0.80
FR1 n48 Ant5	Front at 14mm	0.602	0.275	0.229	0.88	0.83
	Back at 21mm	0.265	0.135	0.709	0.40	0.97
FR1 n66 Ant0	Front at 14mm	0.823	0.275	0.229	1.10	1.05
	Back at 21mm	0.374	0.135	0.709	0.51	1.08
FR1 n66 Ant4	Front at 14mm	0.187	0.275	0.229	0.46	0.42
	Back at 21mm	0.232	0.135	0.709	0.37	0.94
FR1 n70 Ant0	Front at 14mm	1.207	0.275	0.229	1.48	1.44
	Back at 21mm	0.735	0.135	0.709	0.87	1.44
FR1 n77 HPUE_Part27O Ant3	Front at 14mm	0.064	0.275	0.229	0.34	0.29
	Back at 21mm	0.150	0.135	0.709	0.29	0.86
FR1 n77 HPUE_Part27O Ant5	Front at 14mm	0.847	0.275	0.229	1.12	1.08
	Back at 21mm	0.422	0.135	0.709	0.56	1.13
FR1 n77 HPUE_Part27O Ant7	Front at 14mm	0.345	0.275	0.229	0.62	0.57
	Back at 21mm	0.170	0.135	0.709	0.31	0.88
FR1 n77 HPUE_Part27Q Ant3	Front at 14mm	0.003	0.275	0.229	0.28	0.23
	Back at 21mm	0.001	0.135	0.709	0.14	0.71
FR1 n77 HPUE_Part27Q Ant5	Front at 14mm	0.627	0.275	0.229	0.90	0.86
	Back at 21mm	0.266	0.135	0.709	0.40	0.98
FR1 n77 HPUE_Part27Q Ant7	Front at 14mm	0.038	0.275	0.229	0.31	0.27
	Back at 21mm	0.106	0.135	0.709	0.24	0.82



16.4 Product specific 10g SAR Exposure Conditions

Remark:

1. For Bluetooth Product specific 10g stand-alone SAR is not required for a transmitter or antenna, due to 1g hotspot SAR is <1.2W/kg.

WWAN Band	Exposure Position	1	2	3	1+2	1+3
		WWAN	WLAN2.4GHz Ant 8	WLAN5GHz Ant 8	Summed	Summed
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
GSM850 Ant0	Front		0.445	0.322	0.45	0.32
	Back		0.445	0.468	0.45	0.47
	Left side		0.445	0.496	0.45	0.50
	Right side		0.445	0.496	0.45	0.50
	Top side		0.445	0.496	0.45	0.50
	Bottom side		0.445	0.496	0.45	0.50
GSM1900 Ant0	Front	2.997	0.445	0.322	3.44	3.32
	Back	3.261	0.445	0.468	3.71	3.73
	Left side		0.445	0.496	0.45	0.50
	Right side		0.445	0.496	0.45	0.50
	Top side		0.445	0.496	0.45	0.50
	Bottom side	2.578	0.445	0.496	3.02	3.07
WCDMA II Ant0	Front	2.915	0.445	0.322	3.36	3.24
	Back	3.488	0.445	0.468	3.93	3.96
	Left side		0.445	0.496	0.45	0.50
	Right side		0.445	0.496	0.45	0.50
	Top side		0.445	0.496	0.45	0.50
	Bottom side	2.533	0.445	0.496	2.98	3.03
WCDMA IV Ant0	Front	3.543	0.445	0.322	3.99	3.87
	Back	3.349	0.445	0.468	3.79	3.82
	Left side		0.445	0.496	0.45	0.50
	Right side		0.445	0.496	0.45	0.50
	Top side		0.445	0.496	0.45	0.50
	Bottom side	2.347	0.445	0.496	2.79	2.84
WCDMA V Ant0	Front		0.445	0.322	0.45	0.32
	Back		0.445	0.468	0.45	0.47
	Left side		0.445	0.496	0.45	0.50
	Right side		0.445	0.496	0.45	0.50
	Top side		0.445	0.496	0.45	0.50
	Bottom side		0.445	0.496	0.45	0.50
LTE Band 7 Ant1	Front	2.740	0.445	0.322	3.19	3.06
	Back	3.486	0.445	0.468	3.93	3.95
	Left side	1.925	0.445	0.496	2.37	2.42
	Right side		0.445	0.496	0.45	0.50
	Top side		0.445	0.496	0.45	0.50
	Bottom side	2.164	0.445	0.496	2.61	2.66
LTE Band 12 (17) Ant0	Front		0.445	0.322	0.45	0.32
	Back		0.445	0.468	0.45	0.47
	Left side		0.445	0.496	0.45	0.50
	Right side		0.445	0.496	0.45	0.50
	Top side		0.445	0.496	0.45	0.50
	Bottom side		0.445	0.496	0.45	0.50
LTE Band 12 Ant4	Front		0.445	0.322	0.45	0.32
	Back		0.445	0.468	0.45	0.47
	Left side		0.445	0.496	0.45	0.50
	Right side		0.445	0.496	0.45	0.50
	Top side		0.445	0.496	0.45	0.50
	Bottom side		0.445	0.496	0.45	0.50
LTE Band 13 Ant0	Front		0.445	0.322	0.45	0.32



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	Back		0.445	0.468	0.45	0.47
	Left side		0.445	0.496	0.45	0.50
	Right side		0.445	0.496	0.45	0.50
	Top side		0.445	0.496	0.45	0.50
	Bottom side		0.445	0.496	0.45	0.50
LTE Band 13 Ant4	Front		0.445	0.322	0.45	0.32
	Back		0.445	0.468	0.45	0.47
	Left side		0.445	0.496	0.45	0.50
	Right side		0.445	0.496	0.45	0.50
	Top side		0.445	0.496	0.45	0.50
LTE Band 14 Ant0	Bottom side		0.445	0.496	0.45	0.50
	Front		0.445	0.322	0.45	0.32
	Back		0.445	0.468	0.45	0.47
	Left side		0.445	0.496	0.45	0.50
	Right side		0.445	0.496	0.45	0.50
LTE Band 25 (2) Ant0	Top side		0.445	0.496	0.45	0.50
	Bottom side		0.445	0.496	0.45	0.50
	Front	3.083	0.445	0.322	3.53	3.41
	Back	3.445	0.445	0.468	3.89	3.91
	Left side		0.445	0.496	0.45	0.50
LTE Band 25 (2) Ant4	Right side		0.445	0.496	0.45	0.50
	Top side		0.445	0.496	0.45	0.50
	Bottom side		0.445	0.496	0.45	0.50
	Front		0.445	0.322	0.45	0.32
	Back	2.100	0.445	0.468	2.55	2.57
LTE Band 26 (5) Ant0	Left side		0.445	0.496	0.45	0.50
	Right side		0.445	0.496	0.45	0.50
	Top side		0.445	0.496	0.45	0.50
	Bottom side		0.445	0.496	0.45	0.50
	Front		0.445	0.322	0.45	0.32
LTE Band 26 (5) Ant4	Back		0.445	0.468	0.45	0.47
	Left side		0.445	0.496	0.45	0.50
	Right side		0.445	0.496	0.45	0.50
	Top side		0.445	0.496	0.45	0.50
	Bottom side		0.445	0.496	0.45	0.50
LTE Band 30 Ant1	Front	2.649	0.445	0.322	3.09	2.97
	Back	3.252	0.445	0.468	3.70	3.72
	Left side		0.445	0.496	0.45	0.50
	Right side		0.445	0.496	0.45	0.50
	Top side		0.445	0.496	0.45	0.50
LTE Band 41 Ant1	Bottom side	2.045	0.445	0.496	2.49	2.54
	Front	1.585	0.445	0.322	2.03	1.91
	Back	2.411	0.445	0.468	2.86	2.88
	Left side	1.141	0.445	0.496	1.59	1.64
	Right side		0.445	0.496	0.45	0.50
LTE Band 48 Ant5	Top side		0.445	0.496	0.45	0.50
	Bottom side	1.191	0.445	0.496	1.64	1.69
	Front	2.814	0.445	0.322	3.26	3.14
	Back	2.899	0.445	0.468	3.34	3.37
	Left side		0.445	0.496	0.45	0.50



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	Right side		0.445	0.496	0.45	0.50
	Top side	1.700	0.445	0.496	2.15	2.20
	Bottom side		0.445	0.496	0.45	0.50
LTE Band 66 (4) Ant0	Front	3.321	0.445	0.322	3.77	3.64
	Back	3.173	0.445	0.468	3.62	3.64
	Left side		0.445	0.496	0.45	0.50
	Right side		0.445	0.496	0.45	0.50
	Top side		0.445	0.496	0.45	0.50
	Bottom side	2.438	0.445	0.496	2.88	2.93
LTE Band 66 (4) Ant4	Front		0.445	0.322	0.45	0.32
	Back	1.699	0.445	0.468	2.14	2.17
	Left side		0.445	0.496	0.45	0.50
	Right side		0.445	0.496	0.45	0.50
	Top side	1.898	0.445	0.496	2.34	2.39
	Bottom side		0.445	0.496	0.45	0.50
LTE Band 71 Ant0	Front		0.445	0.322	0.45	0.32
	Back		0.445	0.468	0.45	0.47
	Left side		0.445	0.496	0.45	0.50
	Right side		0.445	0.496	0.45	0.50
	Top side		0.445	0.496	0.45	0.50
	Bottom side		0.445	0.496	0.45	0.50
LTE Band 71 Ant4	Front		0.445	0.322	0.45	0.32
	Back		0.445	0.468	0.45	0.47
	Left side		0.445	0.496	0.45	0.50
	Right side		0.445	0.496	0.45	0.50
	Top side		0.445	0.496	0.45	0.50
	Bottom side		0.445	0.496	0.45	0.50

WWAN Band	Exposure Position	1	2	3	1+2	1+3
		FR1	WLAN2.4GHz Ant 8	WLAN5GHz Ant 8	Summed	Summed
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
FR1 n7 Ant1	Front	2.729	0.249	0.322	2.98	3.05
	Back	3.489	0.445	0.468	3.93	3.96
	Left side	2.307	0.445	0.496	2.75	2.80
	Right side		0.445	0.496	0.45	0.50
	Top side		0.445	0.496	0.45	0.50
	Bottom side	2.122	0.445	0.496	2.57	2.62
FR1 n12 Ant0	Front		0.249	0.322	0.25	0.32
	Back		0.445	0.468	0.45	0.47
	Left side		0.445	0.496	0.45	0.50
	Right side		0.445	0.496	0.45	0.50
	Top side		0.445	0.496	0.45	0.50
	Bottom side		0.445	0.496	0.45	0.50
FR1 n12 Ant4	Front		0.249	0.322	0.25	0.32
	Back		0.445	0.468	0.45	0.47
	Left side		0.445	0.496	0.45	0.50
	Right side		0.445	0.496	0.45	0.50
	Top side		0.445	0.496	0.45	0.50
	Bottom side		0.445	0.496	0.45	0.50
FR1 n14 Ant0	Front		0.249	0.322	0.25	0.32
	Back		0.445	0.468	0.45	0.47
	Left side		0.445	0.496	0.45	0.50
	Right side		0.445	0.496	0.45	0.50
	Top side		0.445	0.496	0.45	0.50
	Bottom side		0.445	0.496	0.45	0.50

Sporton International Inc. (Kunshan)

TEL : 86-512-57900158 / FAX : 86-512-57900958

FCC ID : IHD56AH4

Issued Date : Nov. 15, 2022

Form version. : 200414



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FR1 n25 (2) Ant0	Front	3.368	0.249	0.322	3.62	3.69
	Back	2.887	0.445	0.468	3.33	3.36
	Left side		0.445	0.496	0.45	0.50
	Right side		0.445	0.496	0.45	0.50
	Top side		0.445	0.496	0.45	0.50
	Bottom side	2.312	0.445	0.496	2.76	2.81
FR1 n25 (2) Ant4	Front		0.249	0.322	0.25	0.32
	Back	2.029	0.445	0.468	2.47	2.50
	Left side		0.445	0.496	0.45	0.50
	Right side		0.445	0.496	0.45	0.50
	Top side		0.445	0.496	0.45	0.50
	Bottom side		0.445	0.496	0.45	0.50
FR1 n26 (5) Ant0	Front		0.249	0.322	0.25	0.32
	Back		0.445	0.468	0.45	0.47
	Left side		0.445	0.496	0.45	0.50
	Right side		0.445	0.496	0.45	0.50
	Top side		0.445	0.496	0.45	0.50
	Bottom side		0.445	0.496	0.45	0.50
FR1 n26 (5) Ant4	Front		0.249	0.322	0.25	0.32
	Back		0.445	0.468	0.45	0.47
	Left side		0.445	0.496	0.45	0.50
	Right side		0.445	0.496	0.45	0.50
	Top side		0.445	0.496	0.45	0.50
	Bottom side		0.445	0.496	0.45	0.50
FR1 n30 Ant1	Front	2.446	0.249	0.322	2.70	2.77
	Back	3.307	0.445	0.468	3.75	3.78
	Left side		0.445	0.496	0.45	0.50
	Right side		0.445	0.496	0.45	0.50
	Top side		0.445	0.496	0.45	0.50
	Bottom side	1.630	0.445	0.496	2.08	2.13
FR1 n41 HPUE Ant1	Front	2.333	0.249	0.322	2.58	2.66
	Back	2.864	0.445	0.468	3.31	3.33
	Left side	1.727	0.445	0.496	2.17	2.22
	Right side		0.445	0.496	0.45	0.50
	Top side		0.445	0.496	0.45	0.50
	Bottom side	1.727	0.445	0.496	2.17	2.22
FR1 n41 HPUE Ant3	Front		0.249	0.322	0.25	0.32
	Back	2.717	0.445	0.468	3.16	3.19
	Left side	1.653	0.445	0.496	2.10	2.15
	Right side		0.445	0.496	0.45	0.50
	Top side		0.445	0.496	0.45	0.50
	Bottom side		0.445	0.496	0.45	0.50
FR1 n41 HPUE Ant4	Front	3.115	0.249	0.322	3.36	3.44
	Back	1.991	0.445	0.468	2.44	2.46
	Left side		0.445	0.496	0.45	0.50
	Right side		0.445	0.496	0.45	0.50
	Top side	1.636	0.445	0.496	2.08	2.13
	Bottom side		0.445	0.496	0.45	0.50
FR1 n41 HPUE Ant6	Front	2.047	0.249	0.322	2.30	2.37
	Back	1.677	0.445	0.468	2.12	2.15
	Left side		0.445	0.496	0.45	0.50
	Right side	1.168	0.445	0.496	1.61	1.66
	Top side		0.445	0.496	0.45	0.50
	Bottom side		0.445	0.496	0.45	0.50
FR1 n48 Ant5	Front	2.740	0.249	0.322	2.99	3.06
	Back	2.762	0.445	0.468	3.21	3.23

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	Left side		0.445	0.496	0.45	0.50
	Right side		0.445	0.496	0.45	0.50
	Top side	1.863	0.445	0.496	2.31	2.36
	Bottom side		0.445	0.496	0.45	0.50
FR1 n66 Ant0	Front	3.527	0.249	0.322	3.78	3.85
	Back	2.906	0.445	0.468	3.35	3.37
	Left side		0.445	0.496	0.45	0.50
	Right side		0.445	0.496	0.45	0.50
	Top side		0.445	0.496	0.45	0.50
	Bottom side	1.876	0.445	0.496	2.32	2.37
FR1 n66 Ant4	Front		0.249	0.322	0.25	0.32
	Back	2.626	0.445	0.468	3.07	3.09
	Left side		0.445	0.496	0.45	0.50
	Right side		0.445	0.496	0.45	0.50
	Top side	3.019	0.445	0.496	3.46	3.52
	Bottom side		0.445	0.496	0.45	0.50
FR1 n70 Ant0	Front	3.588	0.249	0.322	3.84	3.91
	Back	2.618	0.445	0.468	3.06	3.09
	Left side		0.445	0.496	0.45	0.50
	Right side		0.445	0.496	0.45	0.50
	Top side		0.445	0.496	0.45	0.50
	Bottom side	2.856	0.445	0.496	3.30	3.35
FR1 n71 Ant0	Front		0.249	0.322	0.25	0.32
	Back		0.445	0.468	0.45	0.47
	Left side		0.445	0.496	0.45	0.50
	Right side		0.445	0.496	0.45	0.50
	Top side		0.445	0.496	0.45	0.50
	Bottom side		0.445	0.496	0.45	0.50
FR1 n71 Ant4	Front		0.249	0.322	0.25	0.32
	Back		0.445	0.468	0.45	0.47
	Left side		0.445	0.496	0.45	0.50
	Right side		0.445	0.496	0.45	0.50
	Top side		0.445	0.496	0.45	0.50
	Bottom side		0.445	0.496	0.45	0.50
FR1 n77 HPUE_Part27O Ant3	Front		0.249	0.322	0.25	0.32
	Back	2.725	0.445	0.468	3.17	3.19
	Left side		0.445	0.496	1.27	1.32
	Right side		0.445	0.496	0.45	0.50
	Top side		0.445	0.496	0.45	0.50
	Bottom side		0.445	0.496	0.45	0.50
FR1 n77 HPUE_Part27O Ant5	Front	1.075	0.249	0.322	1.32	1.40
	Back	1.183	0.445	0.468	1.63	1.65
	Left side		0.445	0.496	0.45	0.50
	Right side		0.445	0.496	0.45	0.50
	Top side	1.243	0.445	0.496	1.69	1.74
	Bottom side		0.445	0.496	0.45	0.50
FR1 n77 HPUE_Part27O Ant1	Front		0.249	0.322	0.25	0.32
	Back		0.445	0.468	0.45	0.47
	Left side		0.445	0.496	0.45	0.50
	Right side		0.445	0.496	0.45	0.50
	Top side		0.445	0.496	0.45	0.50
	Bottom side		0.445	0.496	0.45	0.50



WWAN Band	FR1 Band	Exposure Position	1	2	3	4	1+2+3	1+2+4	SPLSR
			WWAN	WWAN	WLAN2.4GHz Ant 8	WLAN5GHz Ant 8	Summed	Summed	
			10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	
Ant0 LTE Band (2&66)	Ant4 FR1 Band (n2&n5&n7&n12&n30&n66&n71)	Front	1.879		0.445	0.322	2.32	2.20	
		Back	1.957	1.536	0.445	0.468	3.94	3.96	
		Left side			0.445	0.496	0.45	0.50	
		Right side			0.445	0.496	0.45	0.50	
		Top side		1.467	0.445	0.496	1.91	1.96	
		Bottom side			0.445	0.496	0.45	0.50	
Ant4 LTE Band (2&66)	Ant0 FR1 Band (n2&n5&n12&n66&n71)	Front	0.000	1.924	0.445	0.322	2.37	2.25	
		Back	1.394		0.445	0.468	1.84	1.86	
		Left side			0.445	0.496	0.45	0.50	
		Right side			0.445	0.496	0.45	0.50	
		Top side	1.332		0.445	0.496	1.78	1.83	
		Bottom side			0.445	0.496	0.45	0.50	
Ant0 LTE Band (66)	Ant4 FR1 Band (n25)	Front	1.879		0.445	0.322	2.32	2.20	
		Back		1.536	0.445	0.468	1.98	2.00	
		Left side			0.445	0.496	0.45	0.50	
		Right side			0.445	0.496	0.45	0.50	
		Top side			0.445	0.496	0.45	0.50	
		Bottom side			0.445	0.496	0.45	0.50	
Ant4 LTE Band (66)	Ant0 FR1 Band (n25)	Front		1.924	0.445	0.322	2.37	2.25	
		Back			0.445	0.468	0.45	0.47	
		Left side			0.445	0.496	0.45	0.50	
		Right side			0.445	0.496	0.45	0.50	
		Top side	1.332		0.445	0.496	1.78	1.83	
		Bottom side	0.000		0.445	0.496	0.45	0.50	
Ant4 LTE Band (2&4&12&25&26&66&71)	Ant1 FR1 Band (n41)	Front	0.000		0.445	0.322	0.45	0.32	
		Back	1.394	1.694	0.445	0.468	3.53	3.56	
		Left side			0.445	0.496	0.45	0.50	
		Right side			0.445	0.496	0.45	0.50	
		Top side	1.332		0.445	0.496	1.78	1.83	
		Bottom side	0.000		0.445	0.496	0.45	0.50	
Ant4 LTE Band (5)	Ant1 FR1 Band (n7)	Front			0.445	0.322	0.45	0.32	
		Back		1.955	0.445	0.468	2.40	2.42	
		Left side			0.445	0.496	0.45	0.50	
		Right side			0.445	0.496	0.45	0.50	
		Top side			0.445	0.496	0.45	0.50	
		Bottom side			0.445	0.496	0.45	0.50	
Ant4 LTE Band (5&12&14)	Ant1 FR1 Band (n30)	Front			0.445	0.322	0.45	0.32	
		Back		1.796	0.445	0.468	2.24	2.26	
		Left side			0.445	0.496	0.45	0.50	
		Right side			0.445	0.496	0.45	0.50	
		Top side			0.445	0.496	0.45	0.50	
		Bottom side			0.445	0.496	0.45	0.50	
Ant0 LTE Band (2&5&12&13&14&25&66)	Ant5 FR1 Band (n77&n78 HPUE)	Front	1.879	0.489	0.445	0.322	2.81	2.69	
		Back	1.957		0.445	0.468	2.40	2.43	
		Left side			0.445	0.496	0.45	0.50	
		Right side			0.445	0.496	0.45	0.50	
		Top side		0.476	0.445	0.496	0.92	0.97	
		Bottom side			0.445	0.496	0.45	0.50	
Ant4 LTE Band (2&5&12&13&25&66)	Ant3 FR1 Band (n77 HPUE)	Front			0.445	0.322	0.45	0.32	
		Back	1.394	1.107	0.445	0.468	2.95	2.97	



		Left side			0.445	0.496	0.45	0.50	
		Right side			0.445	0.496	0.45	0.50	
		Top side	1.332		0.445	0.496	1.78	1.83	
		Bottom side			0.445	0.496	0.45	0.50	
Ant0 LTE Band (4&71)	Ant5 FR1 Band (n78 HPUE)	Front	1.879	0.489	0.445	0.322	2.81	2.69	
		Back			0.445	0.468	0.45	0.47	
		Left side			0.445	0.496	0.45	0.50	
		Right side			0.445	0.496	0.45	0.50	
		Top side		0.476	0.445	0.496	0.92	0.97	
		Bottom side			0.445	0.496	0.45	0.50	
Ant4 LTE Band (5&12&13&14&71)	Ant0 FR1 Band (n2&66)	Front		1.924	0.445	0.322	2.37	2.25	
		Back			0.445	0.468	0.45	0.47	
		Left side			0.445	0.496	0.45	0.50	
		Right side			0.445	0.496	0.45	0.50	
		Top side			0.445	0.496	0.45	0.50	
		Bottom side			0.445	0.496	0.45	0.50	
Ant4 LTE Band (12)	Ant0 FR1 Band (n25)	Front		1.924	0.445	0.322	2.37	2.25	
		Back			0.445	0.468	0.45	0.47	
		Left side			0.445	0.496	0.45	0.50	
		Right side			0.445	0.496	0.45	0.50	
		Top side			0.445	0.496	0.45	0.50	
		Bottom side			0.445	0.496	0.45	0.50	
Ant0 LTE Band (5&12&13&71)	Ant4 FR1 Band (n2&66)	Front			0.445	0.322	0.45	0.32	
		Back		1.536	0.445	0.468	1.98	2.00	
		Left side			0.445	0.496	0.45	0.50	
		Right side			0.445	0.496	0.45	0.50	
		Top side		1.467	0.445	0.496	1.91	1.96	
		Bottom side			0.445	0.496	0.45	0.50	
Ant0 LTE Band (12)	Ant4 FR1 Band (n25)	Front			0.445	0.322	0.45	0.32	
		Back		1.536	0.445	0.468	1.98	2.00	
		Left side			0.445	0.496	0.45	0.50	
		Right side			0.445	0.496	0.45	0.50	
		Top side			0.445	0.496	0.45	0.50	
		Bottom side			0.445	0.496	0.45	0.50	
Ant5 LTE Band (48)	Ant4 FR1 Band (n2&n66&n5&n71)	Front			0.445	0.322	0.45	0.32	
		Back	1.488	1.536	0.445	0.468	3.47	3.49	
		Left side			0.445	0.496	0.45	0.50	
		Right side			0.445	0.496	0.45	0.50	
		Top side		1.467	0.445	0.496	1.91	1.96	
		Bottom side			0.445	0.496	0.45	0.50	
Ant5 LTE Band (48)	Ant0 FR1 Band (n2&n66&n5&n71)	Front		1.924	0.445	0.322	2.37	2.25	
		Back	1.488		0.445	0.468	1.93	1.96	
		Left side			0.445	0.496	0.45	0.50	
		Right side			0.445	0.496	0.45	0.50	
		Top side			0.445	0.496	0.45	0.50	
		Bottom side			0.445	0.496	0.45	0.50	
Ant1 LTE Band (7&30)	Ant4 FR1 Band (n2&n5&n66)	Front			0.445	0.322	0.45	0.32	
		Back	1.941	1.536	0.445	0.468	3.92	3.95	
		Left side			0.445	0.496	0.45	0.50	
		Right side			0.445	0.496	0.45	0.50	
		Top side		1.467	0.445	0.496	1.91	1.96	
		Bottom side			0.445	0.496	0.45	0.50	
Ant1 LTE Band (7)	Ant4 FR1 Band (n7&n71)	Front			0.445	0.322	0.45	0.32	
		Back	1.785		0.445	0.468	2.23	2.25	
		Left side		1.200	0.445	0.496	1.65	1.70	
		Right side			0.445	0.496	0.45	0.50	



		Top side			0.445	0.496	0.45	0.50	
		Bottom side			0.445	0.496	0.45	0.50	
Ant4 LTE Band (7&30)	Ant5 FR1 Band (n77&n78 HPUE)	Front	1.487	0.489	0.445	0.322	2.42	2.30	
		Back	1.473		0.445	0.468	1.92	1.94	
		Left side			0.445	0.496	0.45	0.50	
		Right side			0.445	0.496	0.45	0.50	
		Top side	1.300	0.476	0.445	0.496	2.22	2.27	
		Bottom side			0.445	0.496	0.45	0.50	
Ant0 LTE Band (2)	Ant1 FR1 Band (n41)	Front			0.445	0.322	0.45	0.32	
		Back	1.957	1.694	0.445	0.468	4.10	4.12	3&4
		Left side			0.445	0.496	0.45	0.50	
		Right side			0.445	0.496	0.45	0.50	
		Top side			0.445	0.496	0.45	0.50	
		Bottom side			0.445	0.496	0.45	0.50	
Ant0 LTE Band (4)	Ant1 FR1 Band (n41)	Front	1.879		0.445	0.322	2.32	2.20	
		Back		1.694	0.445	0.468	2.14	2.16	
		Left side			0.445	0.496	0.45	0.50	
		Right side			0.445	0.496	0.45	0.50	
		Top side			0.445	0.496	0.45	0.50	
		Bottom side			0.445	0.496	0.45	0.50	
Ant0 LTE Band (12)	Ant1 FR1 Band (n41)	Front			0.445	0.322	0.45	0.32	
		Back		1.694	0.445	0.468	2.14	2.16	
		Left side			0.445	0.496	0.45	0.50	
		Right side			0.445	0.496	0.45	0.50	
		Top side			0.445	0.496	0.45	0.50	
		Bottom side			0.445	0.496	0.45	0.50	
Ant0 LTE Band (25)	Ant1 FR1 Band (n41)	Front			0.445	0.322	0.45	0.32	
		Back	1.957	1.694	0.445	0.468	4.10	4.12	3&4
		Left side			0.445	0.496	0.45	0.50	
		Right side			0.445	0.496	0.45	0.50	
		Top side			0.445	0.496	0.45	0.50	
		Bottom side			0.445	0.496	0.45	0.50	
Ant0 LTE Band (26)	Ant1 FR1 Band (n41)	Front			0.445	0.322	0.45	0.32	
		Back		1.694	0.445	0.468	2.14	2.16	
		Left side			0.445	0.496	0.45	0.50	
		Right side			0.445	0.496	0.45	0.50	
		Top side			0.445	0.496	0.45	0.50	
		Bottom side			0.445	0.496	0.45	0.50	
Ant0 LTE Band (66)	Ant1 FR1 Band (n41)	Front	1.879		0.445	0.322	2.32	2.20	
		Back		1.694	0.445	0.468	2.14	2.16	
		Left side			0.445	0.496	0.45	0.50	
		Right side			0.445	0.496	0.45	0.50	
		Top side			0.445	0.496	0.45	0.50	
		Bottom side			0.445	0.496	0.45	0.50	
Ant0 LTE Band (71)	Ant1 FR1 Band (n41)	Front			0.445	0.322	0.45	0.32	
		Back		1.694	0.445	0.468	2.14	2.16	
		Left side			0.445	0.496	0.45	0.50	
		Right side			0.445	0.496	0.45	0.50	
		Top side			0.445	0.496	0.45	0.50	
		Bottom side			0.445	0.496	0.45	0.50	



(UL CA)

WWAN Band	WWAN Band	Exposure Position	1	2	3	4	1+2+3	1+2+4
			WWAN	WWAN	WLAN2.4GHz Ant 8	WLAN5GHz Ant 8	Summed	Summed
			10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)
Ant0 LTE Band (2)	Ant4 LTE Band (4&5&12&&13&14&66&71)	Front			0.445	0.496	0.45	0.50
		Back	1.957		0.445	0.496	2.40	2.45
		Left side			0.445	0.496	0.45	0.50
		Right side			0.445	0.496	0.45	0.50
		Top side		1.332	0.445	0.496	1.78	1.83
		Bottom side			0.445	0.496	0.45	0.50
Ant4 LTE Band (2&66)	Ant0 LTE Band (4&5&12&&13&66&71)	Front		1.879	0.445	0.496	2.32	2.38
		Back	1.394		0.445	0.496	1.84	1.89
		Left side			0.445	0.496	0.45	0.50
		Right side			0.445	0.496	0.45	0.50
		Top side	1.332		0.445	0.496	1.78	1.83
		Bottom side			0.445	0.496	0.45	0.50
Ant0 LTE Band (4)	Ant4 LTE Band (5&12&&13)	Front	1.879		0.445	0.496	2.32	2.38
		Back			0.445	0.496	0.45	0.50
		Left side			0.445	0.496	0.45	0.50
		Right side			0.445	0.496	0.45	0.50
		Top side			0.445	0.496	0.45	0.50
		Bottom side			0.445	0.496	0.45	0.50
Ant4 LTE Band (4)	Ant0 LTE Band (5&12&&13)	Front			0.445	0.496	0.45	0.50
		Back			0.445	0.496	0.45	0.50
		Left side			0.445	0.496	0.45	0.50
		Right side			0.445	0.496	0.45	0.50
		Top side	1.332		0.445	0.496	1.78	1.83
		Bottom side			0.445	0.496	0.45	0.50
Ant4 LTE Band (5&12&&13&14)	Ant0 LTE Band (66)	Front		1.879	0.445	0.496	2.32	2.38
		Back			0.445	0.496	0.45	0.50
		Left side			0.445	0.496	0.45	0.50
		Right side			0.445	0.496	0.45	0.50
		Top side			0.445	0.496	0.45	0.50
		Bottom side			0.445	0.496	0.45	0.50
Ant0 LTE Band (5&12&&13)	Ant4 LTE Band (66)	Front			0.445	0.496	0.45	0.50
		Back			0.445	0.496	0.45	0.50
		Left side			0.445	0.496	0.45	0.50
		Right side			0.445	0.496	0.45	0.50
		Top side		1.332	0.445	0.496	1.78	1.83
		Bottom side			0.445	0.496	0.45	0.50
Ant4 LTE Band (5&12&&14)	Ant1 LTE Band (30)	Front			0.445	0.496	0.45	0.50
		Back		1.941	0.445	0.496	2.39	2.44
		Left side			0.445	0.496	0.45	0.50
		Right side			0.445	0.496	0.45	0.50

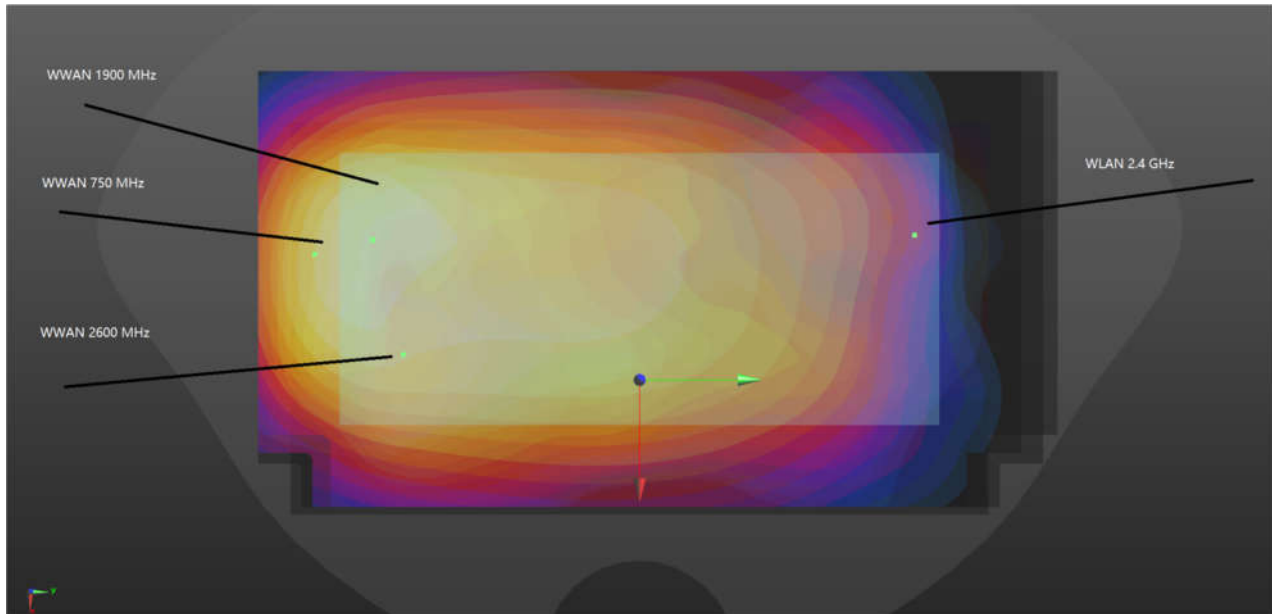


		Top side			0.445	0.496	0.45	0.50
		Bottom side			0.445	0.496	0.45	0.50
Ant5 LTE Band(48)	Ant0 LTE Band (66)	Front		1.879	0.445	0.496	2.32	2.38
		Back	1.488		0.445	0.496	1.93	1.98
		Left side			0.445	0.496	0.45	0.50
		Right side			0.445	0.496	0.45	0.50
		Top side			0.445	0.496	0.45	0.50
		Bottom side			0.445	0.496	0.45	0.50
Ant5 LTE Band(48)	Ant4 LTE Band (66)	Front			0.445	0.496	0.45	0.50
		Back	1.488		0.445	0.496	1.93	1.98
		Left side			0.445	0.496	0.45	0.50
		Right side			0.445	0.496	0.45	0.50
		Top side		1.332	0.445	0.496	1.78	1.83
		Bottom side			0.445	0.496	0.45	0.50
Ant0 LTE Band (2&5&13)	Ant5 LTE Band (48)	Front			0.445	0.496	0.45	0.50
		Back	1.957	1.488	0.445	0.496	3.89	3.94
		Left side			0.445	0.496	0.45	0.50
		Right side			0.445	0.496	0.45	0.50
		Top side			0.445	0.496	0.45	0.50
		Bottom side			0.445	0.496	0.45	0.50
Ant4 LTE Band (2&5&13)	Ant5 LTE Band (48)	Front			0.445	0.496	0.45	0.50
		Back	1.394	1.488	0.445	0.496	3.33	3.38
		Left side			0.445	0.496	0.45	0.50
		Right side			0.445	0.496	0.45	0.50
		Top side			0.445	0.496	0.45	0.50
		Bottom side			0.445	0.496	0.45	0.50

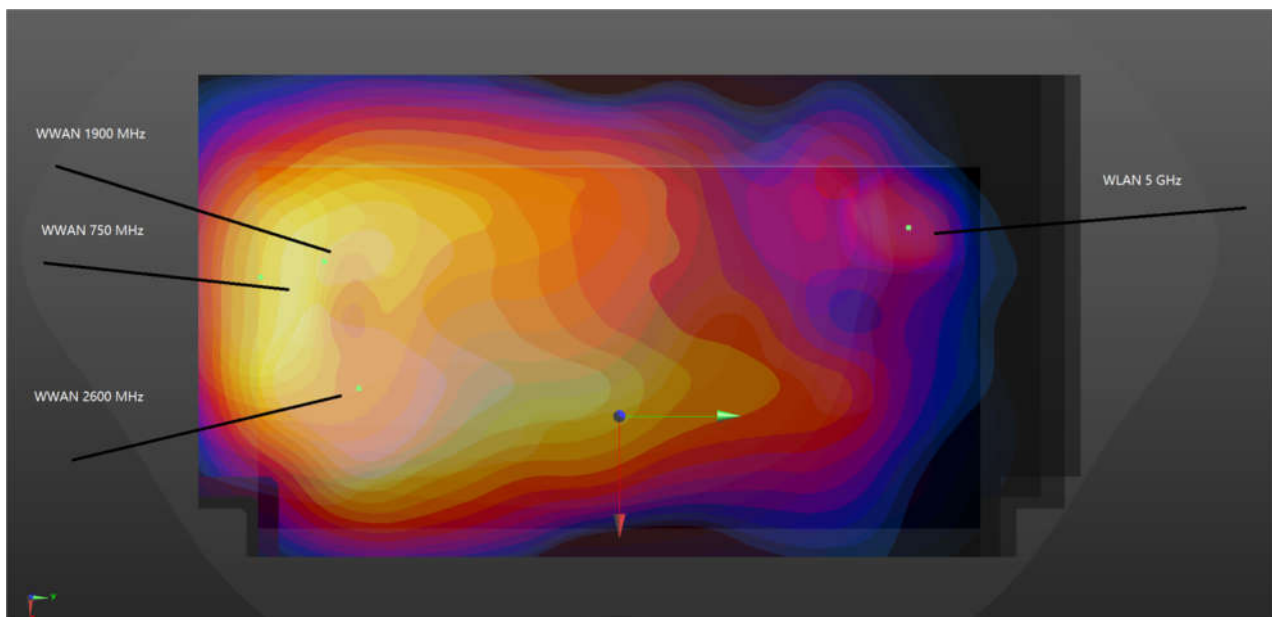
16.5 SPLSR Evaluation and Analysis

General Note:

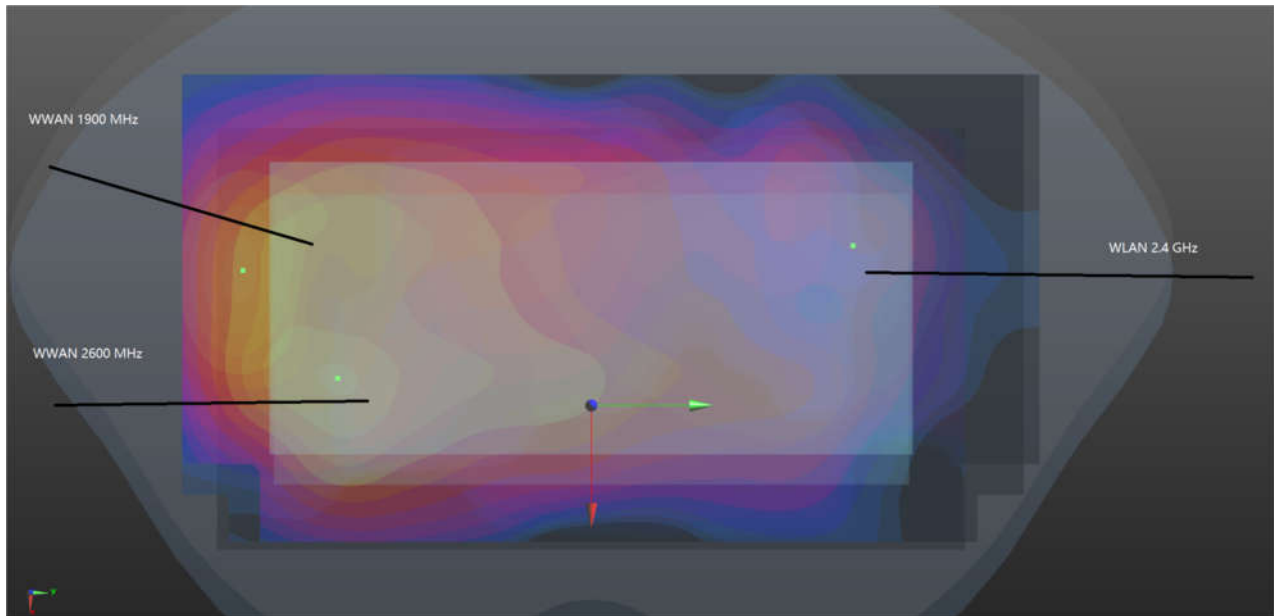
1. When standalone SAR is measured for both antennas in the pair, the peak location separation distance is computed by the square root of $[(x_1 - x_2)^2 + (y_1 - y_2)^2 + (z_1 - z_2)^2]$, where (x_1, y_1, z_1) and (x_2, y_2, z_2) are the coordinates in the area scans or extrapolated peak SAR locations in the zoom scans, as appropriate.
2. $SPLSR = (SAR_1 + SAR_2)1.5 / (\text{min. separation distance, mm})$. If $SPLSR \leq 0.04$ for 1g SAR and $SPLSR \leq 0.10$ for 10g SAR, simultaneously transmission SAR measurement is not necessary.
3. Per April 2022 TCB Workshop, Instead of doing a small volume scan over a co-located antenna pair, used summing the SAR values of the co-located pair and using that value in SPLSR calculation. In the calculation used the minimum distance between the spatially separated antenna and the closest antenna of the co-located antenna pair to be conservative.



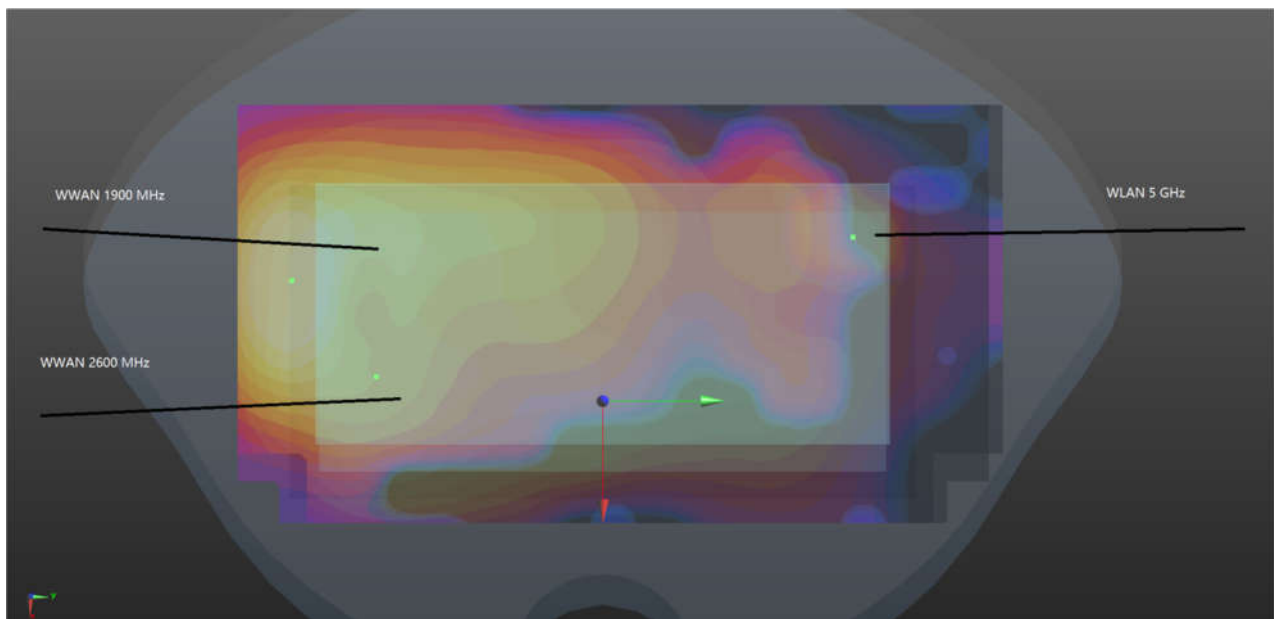
WWAN+WLAN2.4G_5mm



WWAN+ WLAN5G_5mm



WWAN+WLAN2.4G_0mm



WWAN+ WLAN5G_0mm



<Hotspot and Product specific 10g SAR>

Case 1	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case 1	LTE Band 71 Ant 0	Back	0.792	5	-18.3	-79.9	0.87	152.9	1.65	0.01	Not required
	FR1 n41 HPUE Ant 1		0.674	5	25	-71	-0.68				
	WLAN2.4GHz Ant 8		0.18	5	-21.8	74.6	1.14				
Case 2	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case 2	LTE Band 71 Ant 0	Back	0.792	5	-18.3	-79.9	0.87	152.2	1.67	0.01	Not required
	FR1 n41 HPUE Ant 1		0.674	5	25	-71	-0.68				
	WLAN5GHz Ant 8		0.199	5	-28.4	72	1.15				

<Product specific 10g SAR>

Case 3	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case 3	LTE Band 25(2) Ant 0	Back	1.957	0	-15.6	-83.9	-0.43	153.3	4.10	0.05	Not required
	FR1 n41 HPUE Ant 1		1.694	0	25.2	-76.8	-0.43				
	WLAN2.4GHz Ant 8		0.445	0	-24	69.2	1.22				
Case 4	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case 4	LTE Band 25(2) Ant 0	Back	1.957	0	-15.6	-83.9	-0.43	156.5	4.12	0.05	Not required
	FR1 n41 HPUE Ant 1		1.694	0	25.2	-76.8	-0.43				
	WLAN5GHz Ant 8		0.468	0	-30.8	71.8	1.36				

<Body-worn SAR>

Case 1	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case 1	LTE Band 25(2) Ant 0	Back	0.799	5	-11.6	-88.4	-0.66	152.9	1.65	0.01	Not required
	FR1 n41 HPUE Ant 1		0.674	5	25	-71	-0.68				
	WLAN2.4GHz Ant 8		0.18	5	-21.8	74.6	1.14				
Case 2	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case 2	LTE Band 25(2) Ant 0	Back	0.799	5	-11.6	-88.4	-0.66	152.7	1.66	0.01	Not required
	FR1 n41 HPUE Ant 1		0.674	5	25	-71	-0.68				
	WLAN5GHz Ant 8		0.19	5	-28.4	72	1.15				
Case 3	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case 3	LTE Band 71 Ant 0	Back	0.792	5	-18.3	-79.9	0.87	152.9	1.65	0.01	Not required
	FR1 n41 HPUE Ant 1		0.674	5	25	-71	-0.68				
	WLAN2.4GHz Ant 8		0.18	5	-21.8	74.6	1.14				
Case 4	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
					X	Y	Z				
Case 4	LTE Band 71 Ant 0	Back	0.792	5	-18.3	-79.9	0.87	152.7	1.66	0.01	Not required
	FR1 n41 HPUE Ant 1		0.674	5	25	-71	-0.68				
	WLAN5GHz Ant 8		0.19	5	-28.4	72	1.15				

Test Engineer : Martin Li, Varus Wang, Ricky Gu, Light Wang

17. Uncertainty Assessment

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

18. 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 865664 D01 v01r04, "SAR Measurement Requirements for 100 MHz to 6 GHz", Aug 2015.
- [6] FCC KDB 865664 D02 v01r02, "RF Exposure Compliance Reporting and Documentation Considerations" Oct 2015.
- [7] FCC KDB 447498 D01 v06, "Mobile and Portable Device RF Exposure Procedures and Equipment Authorization Policies", Oct 2015
- [8] FCC KDB 648474 D04 v01r03, "SAR Evaluation Considerations for Wireless Handsets", Oct 2015.
- [9] FCC KDB 248227 D01 v02r02, "SAR Guidance for IEEE 802.11 (WiFi) Transmitters", Oct 2015.
- [10] FCC KDB 616217 D04 v01r02, "SAR Evaluation Considerations for Laptop, Notebook, Netbook and Tablet Computers", Oct 2015
- [11] FCC KDB 941225 D01 v03r01, "3G SAR MEAUREMENT PROCEDURES", Oct 2015
- [12] FCC KDB 941225 D05 v02r05, "SAR Evaluation Considerations for LTE Devices", Dec 2015
- [13] FCC KDB 941225 D05A v01r02, "Rel. 10 LTE SAR Test Guidance and KDB Inquiries", Oct 2015
- [14] FCC KDB 941225 D06 v02r01, "SAR Evaluation Procedures for Portable Devices with Wireless Router Capabilities", Oct 2015.

-----THE END-----