



FCC SAR Test Report

Report No. : FA052803-04

	Top side									0.00		0.00		0.00	0.00		0.00
	Bottom side	0.177				0.057	0.097	0.118	0.001	0.27		0.24		0.18	0.30		0.28
LTE Band 25_Ant 1	Front	0.561				0.085	0.069	0.106	0.016	0.63		0.66		0.56	0.68		0.65
	Back	0.742	0.257	0.23	0.436	0.554	0.434	0.722	0.149	1.43		1.68	#63	1.18	1.61	#64	1.33
	Left side	0.319			0.018		0.131	0.117		0.45		0.32		0.34	0.44		0.45
	Right side	0.11	0.156		0.192	0.191		0.35	0.053	0.27		0.35		0.30	0.51		0.16
	Top side									0.00		0.00		0.00	0.00		0.00
	Bottom side	0.689				0.057	0.097	0.118	0.001	0.79		0.75		0.69	0.81		0.79
LTE Band 25_Ant 2	Front	0.591				0.085	0.069	0.106	0.016	0.66		0.69		0.59	0.71		0.68
	Back	0.421	0.257	0.23	0.436	0.554	0.434	0.722	0.149	1.11		1.35		0.86	1.29		1.00
	Left side	0.076			0.018		0.131	0.117		0.21		0.08		0.09	0.19		0.21
	Right side	0.252	0.156		0.192	0.191		0.35	0.053	0.41		0.50		0.44	0.66		0.31
	Top side									0.00		0.00		0.00	0.00		0.00
	Bottom side	0.345				0.057	0.097	0.118	0.001	0.44		0.40		0.35	0.46		0.44
LTE Band 26_Ant 1	Front	0.374				0.085	0.069	0.106	0.016	0.44		0.48		0.37	0.50		0.46
	Back	0.914	0.257	0.23	0.436	0.554	0.434	0.722	0.149	1.61	#65	1.85	#66	1.35	1.79	#69	1.50
	Left side	0.153			0.018		0.131	0.117		0.28		0.15		0.17	0.27		0.28
	Right side		0.156		0.192	0.191		0.35	0.053	0.16		0.24		0.19	0.40		0.05
	Top side									0.00		0.00		0.00	0.00		0.00
	Bottom side	0.564				0.057	0.097	0.118	0.001	0.66		0.62		0.56	0.68		0.66
LTE Band 26_Ant 2	Front	0.336				0.085	0.069	0.106	0.016	0.41		0.44		0.34	0.46		0.42
	Back	0.388	0.257	0.23	0.436	0.554	0.434	0.722	0.149	1.08		1.32		0.82	1.26		0.97
	Left side				0.018		0.131	0.117		0.13		0.00		0.02	0.12		0.13
	Right side	0.086	0.156		0.192	0.191		0.35	0.053	0.24		0.33		0.28	0.49		0.14
	Top side									0.00		0.00		0.00	0.00		0.00
	Bottom side	0.431				0.057	0.097	0.118	0.001	0.53		0.49		0.43	0.55		0.53
LTE Band 7_Ant 1	Front	0.494				0.085	0.069	0.106	0.016	0.56		0.60		0.49	0.62		0.58
	Back	0.546	0.257	0.23	0.436	0.554	0.434	0.722	0.149	1.24		1.48		0.98	1.42		1.13
	Left side	0.345			0.018		0.131	0.117		0.48		0.35		0.36	0.46		0.48
	Right side		0.156		0.192	0.191		0.35	0.053	0.16		0.24		0.19	0.40		0.05
	Top side									0.00		0.00		0.00	0.00		0.00
	Bottom side	0.89				0.057	0.097	0.118	0.001	0.99		0.95		0.89	1.01		0.99
LTE Band 7_Ant 2	Front	0.623				0.085	0.069	0.106	0.016	0.69		0.72		0.62	0.75		0.71
	Back	0.385	0.257	0.23	0.436	0.554	0.434	0.722	0.149	1.08		1.32		0.82	1.26		0.97
	Left side				0.018		0.131	0.117		0.13		0.00		0.02	0.12		0.13
	Right side	0.37	0.156		0.192	0.191		0.35	0.053	0.53		0.61		0.56	0.77		0.42
	Top side									0.00		0.00		0.00	0.00		0.00
	Bottom side	0.928				0.057	0.097	0.118	0.001	1.03		0.99		0.93	1.05		1.03
LTE Band 12_Ant 1	Front	0.354				0.085	0.069	0.106	0.016	0.42		0.46		0.35	0.48		0.44
	Back	0.364	0.257	0.23	0.436	0.554	0.434	0.722	0.149	1.06		1.30		0.80	1.24		0.95
	Left side	0.247			0.018		0.131	0.117		0.38		0.25		0.27	0.36		0.38
	Right side		0.156		0.192	0.191		0.35	0.053	0.16		0.24		0.19	0.40		0.05
	Top side									0.00		0.00		0.00	0.00		0.00
	Bottom side	0.391				0.057	0.097	0.118	0.001	0.49		0.45		0.39	0.51		0.49
LTE Band 12_Ant 2	Front	0.19				0.085	0.069	0.106	0.016	0.26		0.29		0.19	0.31		0.28
	Back	0.196	0.257	0.23	0.436	0.554	0.434	0.722	0.149	0.89		1.13		0.63	1.07		0.78
	Left side				0.018		0.131	0.117		0.13		0.00		0.02	0.12		0.13
	Right side	0.093	0.156		0.192	0.191		0.35	0.053	0.25		0.34		0.29	0.50		0.15
	Top side									0.00		0.00		0.00	0.00		0.00
	Bottom side	0.233				0.057	0.097	0.118	0.001	0.33		0.29		0.23	0.35		0.33
LTE Band 13_Ant 1	Front	0.432				0.085	0.069	0.106	0.016	0.50		0.53		0.43	0.55		0.52
	Back	0.491	0.257	0.23	0.436	0.554	0.434	0.722	0.149	1.18		1.42		0.93	1.36		1.07
	Left side	0.23			0.018		0.131	0.117		0.36		0.23		0.25	0.35		0.36
	Right side		0.156		0.192	0.191		0.35	0.053	0.16		0.24		0.19	0.40		0.05
	Top side									0.00		0.00		0.00	0.00		0.00
	Bottom side	0.375				0.057	0.097	0.118	0.001	0.47		0.43		0.38	0.49		0.47

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FCC ID : IHD756ZB1

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Issued Date : Jan. 18, 2021

Form version. : 181113



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LTE Band 13_Ant 2	Front	0.357				0.085	0.069	0.106	0.016	0.43		0.46		0.36	0.48		0.44
	Back	0.391	0.257	0.23	0.436	0.554	0.434	0.722	0.149	1.08		1.32		0.83	1.26		0.97
	Left side				0.018		0.131	0.117		0.13		0.00		0.02	0.12		0.13
	Right side	0.139	0.156		0.192	0.191		0.35	0.053	0.30		0.38		0.33	0.54		0.19
	Top side									0.00		0.00		0.00	0.00		0.00
	Bottom side	0.498				0.057	0.097	0.118	0.001	0.60		0.56		0.50	0.62		0.60
LTE Band 14_Ant 1	Front	0.454				0.085	0.069	0.106	0.016	0.52		0.56		0.45	0.58		0.54
	Back	0.614	0.257	0.23	0.436	0.554	0.434	0.722	0.149	1.31		1.55		1.05	1.49		1.20
	Left side	0.259			0.018		0.131	0.117		0.39		0.26		0.28	0.38		0.39
	Right side	0.166	0.156		0.192	0.191		0.35	0.053	0.32		0.41		0.36	0.57		0.22
	Top side									0.00		0.00		0.00	0.00		0.00
	Bottom side	0.52				0.057	0.097	0.118	0.001	0.62		0.58		0.52	0.64		0.62
LTE Band 14_Ant 2	Front	0.832				0.085	0.069	0.106	0.016	0.90		0.93		0.83	0.95		0.92
	Back	0.421	0.257	0.23	0.436	0.554	0.434	0.722	0.149	1.11		1.35		0.86	1.29		1.00
	Left side	0.092			0.018		0.131	0.117		0.22		0.09		0.11	0.21		0.22
	Right side	0.269	0.156		0.192	0.191		0.35	0.053	0.43		0.51		0.46	0.67		0.32
	Top side									0.00		0.00		0.00	0.00		0.00
	Bottom side	0.385				0.057	0.097	0.118	0.001	0.48		0.44		0.39	0.50		0.48
LTE Band 30_Ant 1	Front	0.517				0.085	0.069	0.106	0.016	0.59		0.62		0.52	0.64		0.60
	Back	0.368	0.257	0.23	0.436	0.554	0.434	0.722	0.149	1.06		1.30		0.80	1.24		0.95
	Left side	0.213			0.018		0.131	0.117		0.34		0.21		0.23	0.33		0.34
	Right side	0.032	0.156		0.192	0.191		0.35	0.053	0.19		0.28		0.22	0.44		0.09
	Top side									0.00		0.00		0.00	0.00		0.00
	Bottom side	0.809				0.057	0.097	0.118	0.001	0.91		0.87		0.81	0.93		0.91
LTE Band 30_Ant 2	Front	0.693				0.085	0.069	0.106	0.016	0.76		0.79		0.69	0.82		0.78
	Back	0.359	0.257	0.23	0.436	0.554	0.434	0.722	0.149	1.05		1.29		0.80	1.23		0.94
	Left side	0.093			0.018		0.131	0.117		0.22		0.09		0.11	0.21		0.22
	Right side	0.241	0.156		0.192	0.191		0.35	0.053	0.40		0.49		0.43	0.64		0.29
	Top side									0.00		0.00		0.00	0.00		0.00
	Bottom side	0.709				0.057	0.097	0.118	0.001	0.81		0.77		0.71	0.83		0.81



WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	1+2+6 Summed 1g SAR (W/kg)	1+3+5+8 Summed 1g SAR (W/kg)	Case No	1+4 Summed 1g SAR (W/kg)	1+7+8 Summed 1g SAR (W/kg)	Case No	1+6+8 Summed 1g SAR (W/kg)
		WWAN	2.4GHz WLAN Ant 4	2.4GHz WLAN Ant 3	2.4GHz WLAN Ant 3+4	5GHz WLAN Ant 4	5GHz WLAN Ant 3	5GHz WLAN Ant 3+4	Bluetooth Ant 4							
		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 66_Ant 1	Front	0.178				0.085	0.069	0.106	0.016	0.25	0.28		0.18	0.30		0.26
	Back	0.67	0.257	0.23	0.436	0.554	0.434	0.722	0.149	1.36	1.60	#78	1.11	1.54		1.25
	Left side	0.111			0.018		0.131	0.117		0.24	0.11		0.13	0.23		0.24
	Right side		0.156		0.192	0.191		0.35	0.053	0.16	0.24		0.19	0.40		0.05
	Top side									0.00	0.00		0.00	0.00		0.00
	Bottom side	0.748				0.057	0.097	0.118	0.001	0.85	0.81		0.75	0.87		0.85
LTE Band 66_Ant 2	Front	0.512				0.085	0.069	0.106	0.016	0.58	0.61		0.51	0.63		0.60
	Back	0.418	0.257	0.23	0.436	0.554	0.434	0.722	0.149	1.11	1.35		0.85	1.29		1.00
	Left side				0.018		0.131	0.117		0.13	0.00		0.02	0.12		0.13
	Right side	0.247	0.156		0.192	0.191		0.35	0.053	0.40	0.49		0.44	0.65		0.30
	Top side									0.00	0.00		0.00	0.00		0.00
	Bottom side	0.498				0.057	0.097	0.118	0.001	0.60	0.56		0.50	0.62		0.60
LTE Band 71_Ant 1	Front	0.206				0.085	0.069	0.106	0.016	0.28	0.31		0.21	0.33		0.29
	Back	0.624	0.257	0.23	0.436	0.554	0.434	0.722	0.149	1.32	1.56		1.06	1.50		1.21
	Left side	0.143			0.018		0.131	0.117		0.27	0.14		0.16	0.26		0.27
	Right side	0.173	0.156		0.192	0.191		0.35	0.053	0.33	0.42		0.37	0.58		0.23
	Top side									0.00	0.00		0.00	0.00		0.00
	Bottom side	0.331				0.057	0.097	0.118	0.001	0.43	0.39		0.33	0.45		0.43
LTE Band 71_Ant 2	Front	0.091				0.085	0.069	0.106	0.016	0.16	0.19		0.09	0.21		0.18
	Back	0.05	0.257	0.23	0.436	0.554	0.434	0.722	0.149	0.74	0.98		0.49	0.92		0.63
	Left side	0.001			0.018		0.131	0.117		0.13	0.00		0.02	0.12		0.13
	Right side	0.044	0.156		0.192	0.191		0.35	0.053	0.20	0.29		0.24	0.45		0.10
	Top side									0.00	0.00		0.00	0.00		0.00
	Bottom side	0.121				0.057	0.097	0.118	0.001	0.22	0.18		0.12	0.24		0.22
LTE Band 41_Ant 1	Front	0.365				0.085	0.069	0.106	0.016	0.43	0.47		0.37	0.49		0.45
	Back	0.443	0.257	0.23	0.436	0.554	0.434	0.722	0.149	1.13	1.38		0.88	1.31		1.03
	Left side	0.174			0.018		0.131	0.117		0.31	0.17		0.19	0.29		0.31
	Right side		0.156		0.192	0.191		0.35	0.053	0.16	0.24		0.19	0.40		0.05
	Top side									0.00	0.00		0.00	0.00		0.00
	Bottom side	0.864				0.057	0.097	0.118	0.001	0.96	0.92		0.86	0.98		0.96
LTE Band 41_Ant 2	Front	0.287				0.085	0.069	0.106	0.016	0.36	0.39		0.29	0.41		0.37
	Back	0.254	0.257	0.23	0.436	0.554	0.434	0.722	0.149	0.95	1.19		0.69	1.13		0.84
	Left side	0.133			0.018		0.131	0.117		0.26	0.13		0.15	0.25		0.26
	Right side		0.156		0.192	0.191		0.35	0.053	0.16	0.24		0.19	0.40		0.05
	Top side									0.00	0.00		0.00	0.00		0.00
	Bottom side	0.788				0.057	0.097	0.118	0.001	0.89	0.85		0.79	0.91		0.89
LTE Band 48_Ant 1	Front	0.562				0.085	0.069	0.106	0.016	0.63	0.66		0.56	0.68		0.65
	Back	0.305	0.257	0.23	0.436	0.554	0.434	0.722	0.149	1.00	1.24		0.74	1.18		0.89
	Left side				0.018		0.131	0.117		0.13	0.00		0.02	0.12		0.13
	Right side	0.139	0.156		0.192	0.191		0.35	0.053	0.30	0.38		0.33	0.54		0.19
	Top side									0.00	0.00		0.00	0.00		0.00
	Bottom side	0.925				0.057	0.097	0.118	0.001	1.02	0.98		0.93	1.04		1.02
LTE Band 48_Ant 2	Front	0.371				0.085	0.069	0.106	0.016	0.44	0.47		0.37	0.49		0.46
	Back	0.386	0.257	0.23	0.436	0.554	0.434	0.722	0.149	1.08	1.32		0.82	1.26		0.97
	Left side	0.136			0.018		0.131	0.117		0.27	0.14		0.15	0.25		0.27
	Right side		0.156		0.192	0.191		0.35	0.053	0.16	0.24		0.19	0.40		0.05
	Top side									0.00	0.00		0.00	0.00		0.00
	Bottom side	0.868				0.057	0.097	0.118	0.001	0.97	0.93		0.87	0.99		0.97
FR1 n5_Ant 2	Front	0.246				0.085	0.069	0.106	0.016	0.32	0.35		0.25	0.37		0.33
	Back	0.314	0.257	0.23	0.436	0.554	0.434	0.722	0.149	1.01	1.25		0.75	1.19		0.90



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	Left side	0.069			0.018		0.131	0.117		0.20	0.07		0.09	0.19		0.20
	Right side	0.105	0.156		0.192	0.191		0.35	0.053	0.26	0.35		0.30	0.51		0.16
	Top side									0.00	0.00		0.00	0.00		0.00
	Bottom side	0.366				0.057	0.097	0.118	0.001	0.46	0.42		0.37	0.49		0.46
FR1 n5_Ant 1	Front	0.01				0.085	0.069	0.106	0.016	0.08	0.11		0.01	0.13		0.10
	Back	0.019	0.257	0.23	0.436	0.554	0.434	0.722	0.149	0.71	0.95		0.46	0.89		0.60
	Left side	0.005			0.018		0.131	0.117		0.14	0.01		0.02	0.12		0.14
	Right side	0.004	0.156		0.192	0.191		0.35	0.053	0.16	0.25		0.20	0.41		0.06
	Top side									0.00	0.00		0.00	0.00		0.00
	Bottom side	0.021				0.057	0.097	0.118	0.001	0.12	0.08		0.02	0.14		0.12
FR1 n25_Ant 2	Front	0.724				0.085	0.069	0.106	0.016	0.79	0.83		0.72	0.85		0.81
	Back	0.427	0.257	0.23	0.436	0.554	0.434	0.722	0.149	1.12	1.36		0.86	1.30		1.01
	Left side	0.008			0.018		0.131	0.117		0.14	0.01		0.03	0.13		0.14
	Right side	0.24	0.156		0.192	0.191		0.35	0.053	0.40	0.48		0.43	0.64		0.29
	Top side									0.00	0.00		0.00	0.00		0.00
	Bottom side	0.414				0.057	0.097	0.118	0.001	0.51	0.47		0.41	0.53		0.51
FR1 n25_Ant 1	Front	0.357				0.085	0.069	0.106	0.016	0.43	0.46		0.36	0.48		0.44
	Back	0.657	0.257	0.23	0.436	0.554	0.434	0.722	0.149	1.35	1.59		1.09	1.53		1.24
	Left side	0.246			0.018		0.131	0.117		0.38	0.25		0.26	0.36		0.38
	Right side	0.071	0.156		0.192	0.191		0.35	0.053	0.23	0.32		0.26	0.47		0.12
	Top side									0.00	0.00		0.00	0.00		0.00
	Bottom side	0.367				0.057	0.097	0.118	0.001	0.46	0.43		0.37	0.49		0.47
FR1 n66_Ant 2	Front	0.746				0.085	0.069	0.106	0.016	0.82	0.85		0.75	0.87		0.83
	Back	0.626	0.257	0.23	0.436	0.554	0.434	0.722	0.149	1.32	1.56		1.06	1.50		1.21
	Left side	0.086			0.018		0.131	0.117		0.22	0.09		0.10	0.20		0.22
	Right side	0.402	0.156		0.192	0.191		0.35	0.053	0.56	0.65		0.59	0.81		0.46
	Top side									0.00	0.00		0.00	0.00		0.00
	Bottom side	0.5				0.057	0.097	0.118	0.001	0.60	0.56		0.50	0.62		0.60
FR1 n66_Ant 1	Front	0.519				0.085	0.069	0.106	0.016	0.59	0.62		0.52	0.64		0.60
	Back	0.746	0.257	0.23	0.436	0.554	0.434	0.722	0.149	1.44	1.68	#67	1.18	1.62	#68	1.33
	Left side	0.388			0.018		0.131	0.117		0.52	0.39		0.41	0.51		0.52
	Right side	0.109	0.156		0.192	0.191		0.35	0.053	0.27	0.35		0.30	0.51		0.16
	Top side									0.00	0.00		0.00	0.00		0.00
	Bottom side	0.607				0.057	0.097	0.118	0.001	0.70	0.67		0.61	0.73		0.71
FR1 n71_Ant 2	Front	0.16				0.085	0.069	0.106	0.016	0.23	0.26		0.16	0.28		0.25
	Back	0.184	0.257	0.23	0.436	0.554	0.434	0.722	0.149	0.88	1.12		0.62	1.06		0.77
	Left side	0.002			0.018		0.131	0.117		0.13	0.00		0.02	0.12		0.13
	Right side	0.143	0.156		0.192	0.191		0.35	0.053	0.30	0.39		0.34	0.55		0.20
	Top side									0.00	0.00		0.00	0.00		0.00
	Bottom side	0.346				0.057	0.097	0.118	0.001	0.44	0.40		0.35	0.47		0.44
FR1 n71_Ant 1	Front	0.001				0.085	0.069	0.106	0.016	0.07	0.10		0.00	0.12		0.09
	Back	0.001	0.257	0.23	0.436	0.554	0.434	0.722	0.149	0.69	0.93		0.44	0.87		0.58
	Left side	0.001			0.018		0.131	0.117		0.13	0.00		0.02	0.12		0.13
	Right side	0.001	0.156		0.192	0.191		0.35	0.053	0.16	0.25		0.19	0.40		0.05
	Top side									0.00	0.00		0.00	0.00		0.00
	Bottom side	0.002				0.057	0.097	0.118	0.001	0.10	0.06		0.00	0.12		0.10
FR1 n41_Ant 2	Front	0.421				0.085	0.069	0.106	0.016	0.49	0.52		0.42	0.54		0.51
	Back	0.211	0.257	0.23	0.436	0.554	0.434	0.722	0.149	0.90	1.14		0.65	1.08		0.79
	Left side				0.018		0.131	0.117		0.13	0.00		0.02	0.12		0.13
	Right side	0.343	0.156		0.192	0.191		0.35	0.053	0.50	0.59		0.54	0.75		0.40
	Top side									0.00	0.00		0.00	0.00		0.00
	Bottom side	0.691				0.057	0.097	0.118	0.001	0.79	0.75		0.69	0.81		0.79



<Flip Close>

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	1+2+6 Summed 1g SAR (W/kg)	Case No	1+3+5+8 Summed 1g SAR (W/kg)	Case No	1+4 Summed 1g SAR (W/kg)	1+7+8 Summed 1g SAR (W/kg)	Case No	1+6+8 Summed 1g SAR (W/kg)	Case No
		WWAN	2.4GHz WLAN Ant 4	2.4GHz WLAN Ant 3	2.4GHz WLAN Ant 3+4	5GHz WLAN Ant 4	5GHz WLAN Ant 3	5GHz WLAN Ant 3+4	Bluetooth Ant 4									
GSM850	Front	0.377	0.001	0.001	0.001	0.085	0.088	0.097	0.029	0.47		0.49		0.38	0.50		0.49	
	Back	0.774	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.88	#01	1.80	#02	1.15	1.55		1.62	#03
	Left side	0.001		0.014	0.001		0.145	0.092		0.15		0.02		0.00	0.09		0.15	
	Right side	0.281	0.153		0.229	0.26		0.296	0.065	0.43		0.61		0.51	0.64		0.35	
	Top side				0.018					0.00		0.00		0.02	0.00		0.00	
	Bottom side	0.706	0.001	0.043	0.018	0.082	0.104	0.133	0.001	0.81		0.83		0.72	0.84		0.81	
GSM1900	Front	0.64	0.001	0.001	0.001	0.085	0.088	0.097	0.029	0.73		0.76		0.64	0.77		0.76	
	Back	0.597	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.70	#04	1.62	#05	0.98	1.37		1.45	
	Left side	0.239		0.014	0.001		0.145	0.092		0.38		0.25		0.24	0.33		0.38	
	Right side	0.432	0.153		0.229	0.26		0.296	0.065	0.59		0.76		0.66	0.79		0.50	
	Top side				0.018					0.00		0.00		0.02	0.00		0.00	
	Bottom side	0.738	0.001	0.043	0.018	0.082	0.104	0.133	0.001	0.84		0.86		0.76	0.87		0.84	
WCDMA II	Front	0.421	0.001	0.001	0.001	0.085	0.088	0.097	0.029	0.51		0.54		0.42	0.55		0.54	
	Back	0.867	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.97	#06	1.89	#07	1.25	1.64	#08	1.72	#09
	Left side	0.534		0.014	0.001		0.145	0.092		0.68		0.55		0.54	0.63		0.68	
	Right side		0.153		0.229	0.26		0.296	0.065	0.15		0.33		0.23	0.36		0.07	
	Top side				0.018					0.00		0.00		0.02	0.00		0.00	
	Bottom side	0.931	0.001	0.043	0.018	0.082	0.104	0.133	0.001	1.04		1.06		0.95	1.07		1.04	
WCDMA IV	Front	0.36	0.001	0.001	0.001	0.085	0.088	0.097	0.029	0.45		0.48		0.36	0.49		0.48	
	Back	0.819	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.92	#10	1.84	#11	1.20	1.59		1.67	#12
	Left side	0.473		0.014	0.001		0.145	0.092		0.62		0.49		0.47	0.57		0.62	
	Right side		0.153		0.229	0.26		0.296	0.065	0.15		0.33		0.23	0.36		0.07	
	Top side				0.018					0.00		0.00		0.02	0.00		0.00	
	Bottom side	0.832	0.001	0.043	0.018	0.082	0.104	0.133	0.001	0.94		0.96		0.85	0.97		0.94	
WCDMA V	Front	0.381	0.001	0.001	0.001	0.085	0.088	0.097	0.029	0.47		0.50		0.38	0.51		0.50	
	Back	0.754	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.86	#13	1.78	#14	1.13	1.53		1.60	#16
	Left side	0.353		0.014	0.001		0.145	0.092		0.50		0.37		0.35	0.45		0.50	
	Right side		0.153		0.229	0.26		0.296	0.065	0.15		0.33		0.23	0.36		0.07	
	Top side				0.018					0.00		0.00		0.02	0.00		0.00	
	Bottom side	0.526	0.001	0.043	0.018	0.082	0.104	0.133	0.001	0.63		0.65		0.54	0.66		0.63	
CDMA2000 BC0	Front	0.31	0.001	0.001	0.001	0.085	0.088	0.097	0.029	0.40		0.43		0.31	0.44		0.43	
	Back	0.681	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.78	#17	1.70	#18	1.06	1.45		1.53	
	Left side	0.001		0.014	0.001		0.145	0.092		0.15		0.02		0.00	0.09		0.15	
	Right side		0.153		0.229	0.26		0.296	0.065	0.15		0.33		0.23	0.36		0.07	
	Top side				0.018					0.00		0.00		0.02	0.00		0.00	
	Bottom side	0.59	0.001	0.043	0.018	0.082	0.104	0.133	0.001	0.70		0.72		0.61	0.72		0.70	
CDMA2000 BC1	Front	0.096	0.001	0.001	0.001	0.085	0.088	0.097	0.029	0.19		0.21		0.10	0.22		0.21	
	Back	0.524	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.63	#19	1.55		0.90	1.30		1.37	
	Left side	0.093		0.014	0.001		0.145	0.092		0.24		0.11		0.09	0.19		0.24	
	Right side		0.153		0.229	0.26		0.296	0.065	0.15		0.33		0.23	0.36		0.07	
	Top side				0.018					0.00		0.00		0.02	0.00		0.00	
	Bottom side	0.522	0.001	0.043	0.018	0.082	0.104	0.133	0.001	0.63		0.65		0.54	0.66		0.63	
CDMA2000 BC10	Front	0.2	0.001	0.001	0.001	0.085	0.088	0.097	0.029	0.29		0.32		0.20	0.33		0.32	
	Back	0.646	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.75	#20	1.67	#21	1.02	1.42		1.50	
	Left side	0.289		0.014	0.001		0.145	0.092		0.43		0.30		0.29	0.38		0.43	
	Right side	0.001	0.153		0.229	0.26		0.296	0.065	0.15		0.33		0.23	0.36		0.07	
	Top side				0.018					0.00		0.00		0.02	0.00		0.00	
	Bottom side	0.578	0.001	0.043	0.018	0.082	0.104	0.133	0.001	0.68		0.70		0.60	0.71		0.68	
LTE Band	Front	0.377	0.001	0.001	0.001	0.085	0.088	0.097	0.029	0.47		0.49		0.38	0.50		0.49	



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25_Ant 1	Back	0.637	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.74	#22	1.66	#23	1.02	1.41		1.49	
	Left side	0.378		0.014	0.001		0.145	0.092		0.52		0.39		0.38	0.47		0.52	
	Right side	0.056	0.153		0.229	0.26		0.296	0.065	0.21		0.38		0.29	0.42		0.12	
	Top side				0.018					0.00		0.00		0.02	0.00		0.00	
	Bottom side	0.41	0.001	0.043	0.018	0.082	0.104	0.133	0.001	0.52		0.54		0.43	0.54		0.52	
LTE Band 25_Ant 2	Front	0.71	0.001	0.001	0.001	0.085	0.088	0.097	0.029	0.80		0.83		0.71	0.84		0.83	
	Back	0.449	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.55		1.47		0.83	1.22		1.30	
	Left side	0.108		0.014	0.001		0.145	0.092		0.25		0.12		0.11	0.20		0.25	
	Right side	0.243	0.153		0.229	0.26		0.296	0.065	0.40		0.57		0.47	0.60		0.31	
	Top side				0.018					0.00		0.00		0.02	0.00		0.00	
LTE Band 26_Ant 1	Bottom side	0.54	0.001	0.043	0.018	0.082	0.104	0.133	0.001	0.65		0.67		0.56	0.67		0.65	
	Front	0.489	0.001	0.001	0.001	0.085	0.088	0.097	0.029	0.58		0.60		0.49	0.62		0.61	
	Back	0.826	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.93	#24	1.85	#25	1.20	1.60	#26	1.68	#27
	Left side	0.363		0.014	0.001		0.145	0.092		0.51		0.38		0.36	0.46		0.51	
	Right side		0.153		0.229	0.26		0.296	0.065	0.15		0.33		0.23	0.36		0.07	
LTE Band 26_Ant 2	Top side				0.018					0.00		0.00		0.02	0.00		0.00	
	Bottom side	0.618	0.001	0.043	0.018	0.082	0.104	0.133	0.001	0.72		0.74		0.64	0.75		0.72	
	Front	0.253	0.001	0.001	0.001	0.085	0.088	0.097	0.029	0.34		0.37		0.25	0.38		0.37	
	Back	0.439	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.54		1.46		0.82	1.21		1.29	
	Left side			0.014	0.001		0.145	0.092		0.15		0.01		0.00	0.09		0.15	
LTE Band 7_Ant 1	Right side	0.227	0.153		0.229	0.26		0.296	0.065	0.38		0.55		0.46	0.59		0.29	
	Top side				0.018					0.00		0.00		0.02	0.00		0.00	
	Bottom side	0.388	0.001	0.043	0.018	0.082	0.104	0.133	0.001	0.49		0.51		0.41	0.52		0.49	
	Front	0.259	0.001	0.001	0.001	0.085	0.088	0.097	0.029	0.35		0.37		0.26	0.39		0.38	
	Back	0.546	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.65	#28	1.57		0.92	1.32		1.40	
LTE Band 7_Ant 2	Left side			0.014	0.001		0.145	0.092		0.15		0.01		0.00	0.09		0.15	
	Right side		0.153		0.229	0.26		0.296	0.065	0.15		0.33		0.23	0.36		0.07	
	Top side				0.018					0.00		0.00		0.02	0.00		0.00	
	Bottom side		0.001	0.043	0.018	0.082	0.104	0.133	0.001	0.11		0.13		0.02	0.13		0.11	
	Front	0.203	0.001	0.001	0.001	0.085	0.088	0.097	0.029	0.29		0.32		0.20	0.33		0.32	
LTE Band 12_Ant 1	Back	0.326	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.43		1.35		0.70	1.10		1.18	
	Left side			0.014	0.001		0.145	0.092		0.15		0.01		0.00	0.09		0.15	
	Right side	0.279	0.153		0.229	0.26		0.296	0.065	0.43		0.60		0.51	0.64		0.34	
	Top side				0.018					0.00		0.00		0.02	0.00		0.00	
	Bottom side	0.856	0.001	0.043	0.018	0.082	0.104	0.133	0.001	0.96		0.98		0.87	0.99		0.96	
LTE Band 12_Ant 2	Front	0.186	0.001	0.001	0.001	0.085	0.088	0.097	0.029	0.28		0.30		0.19	0.31		0.30	
	Back	0.501	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.60	#30	1.52		0.88	1.27		1.35	
	Left side	0.198		0.014	0.001		0.145	0.092		0.34		0.21		0.20	0.29		0.34	
	Right side		0.153		0.229	0.26		0.296	0.065	0.15		0.33		0.23	0.36		0.07	
	Top side				0.018					0.00		0.00		0.02	0.00		0.00	
LTE Band 13_Ant 1	Bottom side	0.573	0.001	0.043	0.018	0.082	0.104	0.133	0.001	0.68		0.70		0.59	0.71		0.68	
	Front	0.114	0.001	0.001	0.001	0.085	0.088	0.097	0.029	0.20		0.23		0.12	0.24		0.23	
	Back	0.184	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.29		1.21		0.56	0.96		1.03	
	Left side			0.014	0.001		0.145	0.092		0.15		0.01		0.00	0.09		0.15	
	Right side	0.108	0.153		0.229	0.26		0.296	0.065	0.26		0.43		0.34	0.47		0.17	
LTE Band 13_Ant 2	Top side				0.018					0.00		0.00		0.02	0.00		0.00	
	Bottom side	0.246	0.001	0.043	0.018	0.082	0.104	0.133	0.001	0.35		0.37		0.26	0.38		0.35	
	Front	0.266	0.001	0.001	0.001	0.085	0.088	0.097	0.029	0.36		0.38		0.27	0.39		0.38	
	Back	0.62	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.72	#31	1.64	#32	1.00	1.39		1.47	
	Left side	0.297		0.014	0.001		0.145	0.092		0.44		0.31		0.3	0.39		0.44	
LTE Band 13_Ant 2	Right side		0.153		0.229	0.26		0.296	0.065	0.15		0.33		0.23	0.36		0.07	
	Top side				0.018					0.00		0.00		0.02	0.00		0.00	
	Bottom side	0.55	0.001	0.043	0.018	0.082	0.104	0.133	0.001	0.66		0.68		0.57	0.68		0.66	
LTE Band 13_Ant 2	Front	0.301	0.001	0.001	0.001	0.085	0.088	0.097	0.029	0.39		0.42		0.3	0.43		0.42	
	Back	0.491	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.59		1.51		0.87	1.26		1.34	
	Left side			0.014	0.001		0.145	0.092		0.15		0.01		0.00	0.09		0.15	

Sporton International (Kunshan) Inc.

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	Right side	0.249	0.153		0.229	0.26		0.296	0.065	0.40		0.57		0.48	0.61		0.31	
	Top side				0.018					0.00		0.00		0.02	0.00		0.00	
	Bottom side	0.389	0.001	0.043	0.018	0.082	0.104	0.133	0.001	0.49		0.52		0.41	0.52		0.49	
LTE Band 14_Ant 1	Front	0.553	0.001	0.001	0.001	0.085	0.088	0.097	0.029	0.64		0.67		0.55	0.68		0.67	
	Back	0.809	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.91	#33	1.83	#34	1.19	1.58		1.66	#35
	Left side	0.496		0.014	0.001		0.145	0.092		0.64		0.51		0.5	0.59		0.64	
	Right side	0.218	0.153		0.229	0.26		0.296	0.065	0.37		0.54		0.45	0.58		0.28	
	Top side				0.018					0.00		0.00		0.02	0.00		0.00	
	Bottom side	0.68	0.001	0.043	0.018	0.082	0.104	0.133	0.001	0.79		0.81		0.70	0.81		0.79	
LTE Band 14_Ant 2	Front	0.347	0.001	0.001	0.001	0.085	0.088	0.097	0.029	0.44		0.46		0.35	0.47		0.46	
	Back	0.507	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.61	#36	1.53		0.89	1.28		1.36	
	Left side	0.166		0.014	0.001		0.145	0.092		0.31		0.18		0.17	0.26		0.31	
	Right side	0.426	0.153		0.229	0.26		0.296	0.065	0.58		0.75		0.66	0.79		0.49	
	Top side				0.018					0.00		0.00		0.02	0.00		0.00	
	Bottom side	0.474	0.001	0.043	0.018	0.082	0.104	0.133	0.001	0.58		0.60		0.49	0.61		0.58	
LTE Band 30_Ant 1	Front	0.24	0.001	0.001	0.001	0.085	0.088	0.097	0.029	0.33		0.36		0.24	0.37		0.36	
	Back	0.916	0.396	0.43	0.378	0.448	0.705	0.628	0.144	2.02	#37	1.94	#38	1.29	1.69	#39	1.77	#40
	Left side	0.245		0.014	0.001		0.145	0.092		0.39		0.26		0.25	0.34		0.39	
	Right side	0.081	0.153		0.229	0.26		0.296	0.065	0.23		0.41		0.31	0.44		0.15	
	Top side				0.018					0.00		0.00		0.02	0.00		0.00	
	Bottom side	0.806	0.001	0.043	0.018	0.082	0.104	0.133	0.001	0.91		0.93		0.82	0.94		0.91	
LTE Band 30_Ant 2	Front	0.36	0.001	0.001	0.001	0.085	0.088	0.097	0.029	0.45		0.48		0.36	0.49		0.48	
	Back	0.393	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.49		1.42		0.77	1.17		1.24	
	Left side	0.001		0.014	0.001		0.145	0.092		0.15		0.02		0.00	0.09		0.15	
	Right side	0.23	0.153		0.229	0.26		0.296	0.065	0.38		0.56		0.46	0.59		0.30	
	Top side				0.018					0.00		0.00		0.02	0.00		0.00	
	Bottom side	0.887	0.001	0.043	0.018	0.082	0.104	0.133	0.001	0.99		1.01		0.91	1.02		0.99	



WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	1+2+6 Summed 1g SAR (W/kg)	Case No	1+3+5+8 Summed 1g SAR (W/kg)	Case No	1+4 Summed 1g SAR (W/kg)	1+7+8 Summed 1g SAR (W/kg)	Case No	1+6+8 Summed 1g SAR (W/kg)	Case No
		WWAN	2.4GHz WLAN Ant 4	2.4GHz WLAN Ant 3	2.4GHz WLAN Ant 3+4	5GHz WLAN Ant 4	5GHz WLAN Ant 3	5GHz WLAN Ant 3+4	Bluetooth Ant 4									
		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 66_Ant 1	Front	0.374	0.001	0.001	0.001	0.085	0.088	0.097	0.029	0.46		0.49		0.38	0.50		0.49	
	Back	0.799	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.90	#41	1.82	#42	1.18	1.57		1.65	#43
	Left side	0.554		0.014	0.001		0.145	0.092		0.70		0.57		0.56	0.65		0.70	
	Right side		0.153		0.229	0.26		0.296	0.065	0.15		0.33		0.23	0.36		0.07	
	Top side				0.018					0.00		0.00		0.02	0.00		0.00	
	Bottom side	0.866	0.001	0.043	0.018	0.082	0.104	0.133	0.001	0.97		0.99		0.88	1.00		0.97	
LTE Band 66_Ant 2	Front	0.441	0.001	0.001	0.001	0.085	0.088	0.097	0.029	0.53		0.56		0.44	0.57		0.56	
	Back	0.472	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.57		1.49		0.85	1.24		1.32	
	Left side			0.014	0.001		0.145	0.092		0.15		0.01		0.00	0.09		0.15	
	Right side	0.073	0.153		0.229	0.26		0.296	0.065	0.23		0.40		0.30	0.43		0.14	
	Top side				0.018					0.00		0.00		0.02	0.00		0.00	
	Bottom side	0.521	0.001	0.043	0.018	0.082	0.104	0.133	0.001	0.63		0.65		0.54	0.66		0.63	
LTE Band 71_Ant 1	Front	0.137	0.001	0.001	0.001	0.085	0.088	0.097	0.029	0.23		0.25		0.14	0.26		0.25	
	Back	0.188	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.29		1.21		0.57	0.96		1.04	
	Left side	0.141		0.014	0.001		0.145	0.092		0.29		0.16		0.14	0.23		0.29	
	Right side	0.099	0.153		0.229	0.26		0.296	0.065	0.25		0.42		0.33	0.46		0.16	
	Top side				0.018					0.00		0.00		0.02	0.00		0.00	
	Bottom side	0.382	0.001	0.043	0.018	0.082	0.104	0.133	0.001	0.49		0.51		0.40	0.52		0.49	
LTE Band 71_Ant 2	Front	0.08	0.001	0.001	0.001	0.085	0.088	0.097	0.029	0.17		0.20		0.08	0.21		0.20	
	Back	0.118	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.22		1.14		0.50	0.89		0.97	
	Left side	0.001		0.014	0.001		0.145	0.092		0.15		0.02		0.00	0.09		0.15	
	Right side	0.07	0.153		0.229	0.26		0.296	0.065	0.22		0.40		0.30	0.43		0.14	
	Top side				0.018					0.00		0.00		0.02	0.00		0.00	
	Bottom side	0.222	0.001	0.043	0.018	0.082	0.104	0.133	0.001	0.33		0.35		0.24	0.36		0.33	
LTE Band 41_Ant 1	Front	0.267	0.001	0.001	0.001	0.085	0.088	0.097	0.029	0.36		0.38		0.27	0.39		0.38	
	Back	0.676	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.78	#44	1.70	#45	1.05	1.45		1.53	
	Left side	0.4		0.014	0.001		0.145	0.092		0.55		0.41		0.40	0.49		0.55	
	Right side		0.153		0.229	0.26		0.296	0.065	0.15		0.33		0.23	0.36		0.07	
	Top side				0.018					0.00		0.00		0.02	0.00		0.00	
	Bottom side	0.919	0.001	0.043	0.018	0.082	0.104	0.133	0.001	1.02		1.05		0.94	1.05		1.02	
LTE Band 41_Ant 2	Front	0.18	0.001	0.001	0.001	0.085	0.088	0.097	0.029	0.27		0.30		0.18	0.31		0.30	
	Back	0.565	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.67	#46	1.59		0.94	1.34		1.41	
	Left side	0.243		0.014	0.001		0.145	0.092		0.39		0.26		0.24	0.34		0.39	
	Right side		0.153		0.229	0.26		0.296	0.065	0.15		0.33		0.23	0.36		0.07	
	Top side				0.018					0.00		0.00		0.02	0.00		0.00	
	Bottom side	0.917	0.001	0.043	0.018	0.082	0.104	0.133	0.001	1.02		1.04		0.94	1.05		1.02	
LTE Band 48_Ant 1	Front	0.348	0.001	0.001	0.001	0.085	0.088	0.097	0.029	0.44		0.46		0.35	0.47		0.47	
	Back	0.389	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.49		1.41		0.77	1.16		1.24	
	Left side			0.014	0.001		0.145	0.092		0.15		0.01		0.00	0.09		0.15	
	Right side	0.216	0.153		0.229	0.26		0.296	0.065	0.37		0.54		0.45	0.58		0.28	
	Top side				0.018					0.00		0.00		0.02	0.00		0.00	
	Bottom side	0.932	0.001	0.043	0.018	0.082	0.104	0.133	0.001	1.04		1.06		0.95	1.07		1.04	
LTE Band 48_Ant 2	Front	0.188	0.001	0.001	0.001	0.085	0.088	0.097	0.029	0.28		0.30		0.19	0.31		0.31	
	Back	0.378	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.48		1.40		0.76	1.15		1.23	
	Left side	0.156		0.014	0.001		0.145	0.092		0.30		0.17		0.16	0.25		0.30	
	Right side		0.153		0.229	0.26		0.296	0.065	0.15		0.33		0.23	0.36		0.07	
	Top side				0.018					0.00		0.00		0.02	0.00		0.00	
	Bottom side	0.885	0.001	0.043	0.018	0.082	0.104	0.133	0.001	0.99		1.01		0.90	1.02		0.99	
FR1 n5_Ant 2	Front	0.219	0.001	0.001	0.001	0.085	0.088	0.097	0.029	0.31		0.33		0.22	0.35		0.34	



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	Back	0.342	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.44		1.36		0.72	1.11		1.19	
	Left side	0.205		0.014	0.001		0.145	0.092		0.35		0.22		0.21	0.30		0.35	
	Right side	0.031	0.153		0.229	0.26		0.296	0.065	0.18		0.36		0.26	0.39		0.10	
	Top side				0.018					0.00		0.00		0.02	0.00		0.00	
	Bottom side	0.314	0.001	0.043	0.018	0.082	0.104	0.133	0.001	0.42		0.44		0.33	0.45		0.42	
FR1 n5_Ant 1	Front	0.009	0.001	0.001	0.001	0.085	0.088	0.097	0.029	0.10		0.12		0.01	0.14		0.13	
	Back	0.025	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.13		1.05		0.40	0.80		0.87	
	Left side	0.002		0.014	0.001		0.145	0.092		0.15		0.02		0.00	0.09		0.15	
	Right side	0.011	0.153		0.229	0.26		0.296	0.065	0.16		0.34		0.24	0.37		0.08	
	Top side				0.018					0.00		0.00		0.02	0.00		0.00	
FR1 n25_Ant 2	Bottom side	0.021	0.001	0.043	0.018	0.082	0.104	0.133	0.001	0.13		0.15		0.04	0.16		0.13	
	Front	0.572	0.001	0.001	0.001	0.085	0.088	0.097	0.029	0.66		0.69		0.57	0.70		0.69	
	Back	0.702	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.80	#48	1.72	#49	1.08	1.47		1.55	
	Left side	0.168		0.014	0.001		0.145	0.092		0.31		0.18		0.17	0.26		0.31	
	Right side	0.399	0.153		0.229	0.26		0.296	0.065	0.55		0.72		0.63	0.76		0.46	
FR1 n25_Ant 1	Top side				0.018					0.00		0.00		0.02	0.00		0.00	
	Bottom side	0.583	0.001	0.043	0.018	0.082	0.104	0.133	0.001	0.69		0.71		0.60	0.72		0.69	
	Front	0.303	0.001	0.001	0.001	0.085	0.088	0.097	0.029	0.39		0.42		0.30	0.43		0.42	
	Back	0.463	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.56		1.49		0.84	1.24		1.31	
	Left side	0.282		0.014	0.001		0.145	0.092		0.43		0.30		0.28	0.37		0.43	
FR1 n66_Ant 2	Right side	0.06	0.153		0.229	0.26		0.296	0.065	0.21		0.39		0.29	0.42		0.13	
	Top side				0.018					0.00		0.00		0.02	0.00		0.00	
	Bottom side	0.333	0.001	0.043	0.018	0.082	0.104	0.133	0.001	0.44		0.46		0.35	0.47		0.44	
	Front	0.541	0.001	0.001	0.001	0.085	0.088	0.097	0.029	0.63		0.66		0.54	0.67		0.66	
	Back	0.826	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.93	#92	1.85	#93	1.20	1.60	#94	1.68	#91
FR1 n66_Ant 1	Left side	0.144		0.014	0.001		0.145	0.092		0.29		0.16		0.15	0.24		0.29	
	Right side	0.505	0.153		0.229	0.26		0.296	0.065	0.66		0.83		0.73	0.87		0.57	
	Top side				0.018					0.00		0.00		0.02	0.00		0.00	
	Bottom side	0.553	0.001	0.043	0.018	0.082	0.104	0.133	0.001	0.66		0.68		0.57	0.69		0.66	
	Front	0.383	0.001	0.001	0.001	0.085	0.088	0.097	0.029	0.47		0.50		0.38	0.51		0.50	
FR1 n71_Ant 2	Back	0.914	0.396	0.43	0.378	0.448	0.705	0.628	0.144	2.02	#95	1.94	#96	1.29	1.69	#97	1.76	#98
	Left side	0.534		0.014	0.001		0.145	0.092		0.68		0.55		0.54	0.63		0.68	
	Right side	0.11	0.153		0.229	0.26		0.296	0.065	0.26		0.44		0.34	0.47		0.18	
	Top side				0.018					0.00		0.00		0.02	0.00		0.00	
	Bottom side	0.682	0.001	0.043	0.018	0.082	0.104	0.133	0.001	0.79		0.81		0.70	0.82		0.79	
FR1 n71_Ant 1	Front	0.21	0.001	0.001	0.001	0.085	0.088	0.097	0.029	0.30		0.33		0.21	0.34		0.33	
	Back	0.316	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.42		1.34		0.69	1.09		1.17	
	Left side	0.003		0.014	0.001		0.145	0.092		0.15		0.02		0.00	0.10		0.15	
	Right side	0.242	0.153		0.229	0.26		0.296	0.065	0.40		0.57		0.47	0.60		0.31	
	Top side				0.018					0.00		0.00		0.02	0.00		0.00	
FR1 n41_Ant 2	Bottom side	0.446	0.001	0.043	0.018	0.082	0.104	0.133	0.001	0.55		0.57		0.46	0.58		0.55	
	Front	0.015	0.001	0.001	0.001	0.085	0.088	0.097	0.029	0.10		0.13		0.02	0.14		0.13	
	Back	0.042	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.14		1.06		0.42	0.81		0.89	
	Left side	0.015		0.014	0.001		0.145	0.092		0.16		0.03		0.02	0.11		0.16	
	Right side	0.001	0.153		0.229	0.26		0.296	0.065	0.15		0.33		0.23	0.36		0.07	
FR1 n71_Ant 1	Top side				0.018					0.00		0.00		0.02	0.00		0.00	
	Bottom side	0.035	0.001	0.043	0.018	0.082	0.104	0.133	0.001	0.14		0.16		0.05	0.17		0.14	
	Front	0.192	0.001	0.001	0.001	0.085	0.088	0.097	0.029	0.28		0.31		0.19	0.32		0.31	
	Back	0.219	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.32		1.24		0.60	0.99		1.07	
	Left side			0.014	0.001		0.145	0.092		0.15		0.01		0.00	0.09		0.15	
FR1 n41_Ant 2	Right side		0.153		0.229	0.26		0.296	0.065	0.15		0.33		0.23	0.36		0.07	
	Top side				0.018					0.00		0.00		0.02	0.00		0.00	
	Bottom side	0.708	0.001	0.043	0.018	0.082	0.104	0.133	0.001	0.81		0.83		0.73	0.84		0.81	



17.5 Body-Worn Accessory Exposure Conditions

<Flip Close>

WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	1+2+6 Summed 1g SAR (W/kg)	Case No	1+3+5+8 Summed 1g SAR (W/kg)	Case No	1+4 Summed 1g SAR (W/kg)	1+7+8 Summed 1g SAR (W/kg)	Case No	1+6+8 Summed 1g SAR (W/kg)	Case No
		WWAN	2.4GHz WLAN Ant 4	2.4GHz WLAN Ant 3	2.4GHz WLAN Ant 3+4	5GHz WLAN Ant 4	5GHz WLAN Ant 3	5GHz WLAN Ant 3+4	Bluetooth Ant 4									
		1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)	1g SAR (W/kg)									
GSM850	Front at 5mm	0.377	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.48		0.49		0.38	0.49		0.50	
	Back at 5mm	0.774	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.88	#01	1.80	#02	1.15	1.55		1.62	#03
	Front at 19mm	0.251	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.35		0.37		0.25	0.37		0.38	
	Back at 15mm	0.63	0.192	0.205	0.214	0.492	0.683	0.675	0.144	1.51		1.47		0.84	1.45		1.46	
GSM1900	Front at 5mm	0.64	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.74		0.76		0.64	0.76		0.77	
	Back at 5mm	0.597	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.70	#04	1.62	#05	0.98	1.37		1.45	
	Front at 19mm	0.143	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.24		0.26		0.14	0.26		0.27	
	Back at 15mm	0.27	0.192	0.205	0.214	0.492	0.683	0.675	0.144	1.15		1.11		0.48	1.09		1.10	
WCDMA II	Front at 5mm	0.421	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.52		0.54		0.42	0.54		0.55	
	Back at 5mm	0.867	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.97	#06	1.89	#07	1.25	1.64	#08	1.72	#09
	Front at 19mm	0.229	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.33		0.34		0.23	0.34		0.36	
	Back at 15mm	0.382	0.192	0.205	0.214	0.492	0.683	0.675	0.144	1.26		1.22		0.60	1.20		1.21	
WCDMA IV	Front at 5mm	0.36	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.46		0.48		0.36	0.48		0.49	
	Back at 5mm	0.819	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.92	#10	1.84	#11	1.20	1.59		1.67	#12
	Front at 19mm	0.247	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.35		0.36		0.25	0.36		0.37	
	Back at 15mm	0.299	0.192	0.205	0.214	0.492	0.683	0.675	0.144	1.17		1.14		0.51	1.12		1.13	
WCDMA V	Front at 5mm	0.381	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.48		0.50		0.38	0.50		0.51	
	Back at 5mm	0.754	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.86	#13	1.78	#14	1.13	1.53		1.60	#16
	Front at 19mm	0.287	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.39		0.40		0.29	0.40		0.41	
	Back at 15mm	0.684	0.192	0.205	0.214	0.492	0.683	0.675	0.144	1.56		1.53		0.90	1.50		1.51	
CDMA2000 BC0	Front at 5mm	0.313	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.41		0.43		0.31	0.43		0.44	
	Back at 5mm	0.665	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.77	#50	1.69	#68	1.04	1.44		1.51	
	Front at 19mm	0.183	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.28		0.30		0.18	0.30		0.31	
	Back at 15mm	0.395	0.192	0.205	0.214	0.492	0.683	0.675	0.144	1.27		1.24		0.61	1.21		1.22	
CDMA2000 BC1	Front at 5mm	0.409	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.51		0.52		0.41	0.52		0.54	
	Back at 5mm	0.721	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.82	#51	1.74	#52	1.10	1.49		1.57	
	Front at 19mm	0.256	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.35		0.37		0.26	0.37		0.38	
	Back at 15mm	0.495	0.192	0.205	0.214	0.492	0.683	0.675	0.144	1.37		1.34		0.71	1.31		1.32	
CDMA2000 BC10	Front at 5mm	0.317	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.42		0.43		0.32	0.43		0.44	
	Back at 5mm	0.687	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.79	#53	1.71	#54	1.07	1.46		1.54	
	Front at 19mm	0.217	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.32		0.33		0.22	0.33		0.34	
	Back at 15mm	0.24	0.192	0.205	0.214	0.492	0.683	0.675	0.144	1.12		1.08		0.45	1.06		1.07	
LTE Band 25_Ant 1	Front at 5mm	0.377	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.48		0.49		0.38	0.49		0.5	
	Back at 5mm	0.637	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.74	#22	1.66	#23	1.02	1.41		1.49	
	Front at 19mm	0.171	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.27		0.29		0.17	0.29		0.3	
	Back at 15mm	0.389	0.192	0.205	0.214	0.492	0.683	0.675	0.144	1.26		1.23		0.6	1.21		1.22	
LTE Band 25_Ant 2	Front at 5mm	0.71	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.81		0.83		0.71	0.83		0.84	
	Back at 5mm	0.449	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.55		1.47		0.83	1.22		1.3	
LTE Band 26_Ant 1	Front at 5mm	0.489	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.59		0.60		0.49	0.60		0.62	
	Back at 5mm	0.826	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.93	#24	1.85	#25	1.20	1.60	#26	1.68	#27
	Front at 19mm		0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.10		0.12		0.00	0.12		0.13	
	Back at 15mm		0.192	0.205	0.214	0.492	0.683	0.675	0.144	0.88		0.84		0.21	0.82		0.83	
LTE Band 26_Ant 2	Front at 5mm	0.253	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.35		0.37		0.25	0.37		0.38	
	Back at 5mm	0.439	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.54		1.46		0.82	1.21		1.29	
LTE Band 7_Ant 1	Front at 5mm	0.259	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.36		0.37		0.26	0.37		0.39	
	Back at 5mm	0.546	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.65	#28	1.57		0.92	1.32		1.40	
	Front at 19mm	0.163	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.26		0.28		0.16	0.28		0.29	



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	Back at 15mm	0.532	0.192	0.205	0.214	0.492	0.683	0.675	0.144	1.41		1.37		0.75	1.35		1.36	
LTE Band 7_Ant 2	Front at 5mm	0.203	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.30		0.32		0.20	0.32		0.33	
	Back at 5mm	0.326	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.43		1.35		0.70	1.10		1.18	
	Front at 19mm	0.09	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.19		0.21		0.09	0.21		0.22	
	Back at 15mm	0.23	0.192	0.205	0.214	0.492	0.683	0.675	0.144	1.11		1.07		0.44	1.05		1.06	
LTE Band 12_Ant 1	Front at 5mm	0.186	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.28		0.30		0.19	0.30		0.31	
	Back at 5mm	0.501	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.60	#30	1.52		0.88	1.27		1.35	
LTE Band 12_Ant 2	Front at 5mm	0.114	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.21		0.23		0.12	0.23		0.24	
	Back at 5mm	0.184	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.29		1.21		0.56	0.96		1.03	
LTE Band 13_Ant 1	Front at 5mm	0.266	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.36		0.38		0.27	0.38		0.39	
	Back at 5mm	0.62	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.72	#31	1.64	#32	1.00	1.39		1.47	
LTE Band 13_Ant 2	Front at 5mm	0.301	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.40		0.42		0.30	0.42		0.43	
	Back at 5mm	0.491	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.59		1.51		0.87	1.26		1.34	
LTE Band 14_Ant 1	Front at 5mm	0.553	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.65		0.67		0.55	0.67		0.68	
	Back at 5mm	0.809	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.91	#33	1.83	#34	1.19	1.58		1.66	#35
LTE Band 14_Ant 2	Front at 5mm	0.347	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.45		0.46		0.35	0.46		0.47	
	Back at 5mm	0.507	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.61	#36	1.53		0.89	1.28		1.36	
	Front at 19mm	0.054	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.15		0.17		0.06	0.17		0.18	
	Back at 15mm	0.127	0.192	0.205	0.214	0.492	0.683	0.675	0.144	1.00		0.97		0.34	0.95		0.95	
LTE Band 30_Ant 1	Front at 5mm	0.24	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.34		0.36		0.24	0.36		0.37	
	Back at 5mm	0.916	0.396	0.43	0.378	0.448	0.705	0.628	0.144	2.02	#37	1.94	#38	1.29	1.69	#39	1.77	#40
	Front at 19mm	0.126	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.22		0.24		0.13	0.24		0.25	
	Back at 15mm	0.248	0.192	0.205	0.214	0.492	0.683	0.675	0.144	1.12		1.09		0.46	1.07		1.08	
LTE Band 30_Ant 2	Front at 5mm	0.36	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.46		0.48		0.36	0.48		0.49	
	Back at 5mm	0.393	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.49		1.42		0.77	1.17		1.24	



WWAN Band	Exposure Position	1	2	3	4	5	6	7	8	1+2+6 Summed 1g SAR (W/kg)	Case No	1+3+5+8 Summed 1g SAR (W/kg)	Case No	1+4 Summed 1g SAR (W/kg)	1+7+8 Summed 1g SAR (W/kg)	Case No	1+6+8 Summed 1g SAR (W/kg)	Case No
		WWAN	2.4GHz WLAN Ant 4	2.4GHz WLAN Ant 3	2.4GHz WLAN Ant 3+4	5GHz WLAN Ant 4	5GHz WLAN Ant 3	5GHz WLAN Ant 3+4	Bluetooth Ant 4									
		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 66_Ant 1	Front at 5mm	0.374	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.47		0.49		0.38	0.49		0.50	
	Back at 5mm	0.799	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.90	#41	1.82	#42	1.18	1.57		1.65	#43
	Front at 19mm	0.178	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.28		0.29		0.18	0.29		0.3	
	Back at 15mm	0.316	0.192	0.205	0.214	0.492	0.683	0.675	0.144	1.19		1.16		0.53	1.14		1.14	
LTE Band 66_Ant 2	Front at 5mm	0.441	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.54		0.56		0.44	0.56		0.57	
	Back at 5mm	0.472	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.57		1.49		0.85	1.24		1.32	
	Front at 19mm		0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.10		0.12		0.00	0.12		0.13	
	Back at 15mm		0.192	0.205	0.214	0.492	0.683	0.675	0.144	0.88		0.84		0.21	0.82		0.83	
LTE Band 71_Ant 1	Front at 5mm	0.137	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.24		0.25		0.14	0.25		0.26	
	Back at 5mm	0.188	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.29		1.21		0.57	0.96		1.04	
	Front at 19mm		0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.10		0.12		0.00	0.12		0.13	
	Back at 15mm		0.192	0.205	0.214	0.492	0.683	0.675	0.144	0.88		0.84		0.21	0.82		0.83	
LTE Band 71_Ant 2	Front at 5mm	0.08	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.18		0.20		0.08	0.20		0.21	
	Back at 5mm	0.118	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.22		1.14		0.5	0.89		0.97	
	Front at 19mm		0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.10		0.12		0.00	0.12		0.13	
	Back at 15mm		0.192	0.205	0.214	0.492	0.683	0.675	0.144	0.88		0.84		0.21	0.82		0.83	
LTE Band 41_Ant 1	Front at 5mm	0.267	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.37		0.38		0.27	0.38		0.39	
	Back at 5mm	0.676	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.78	#44	1.70	#45	1.05	1.45		1.53	
	Front at 19mm	0.096	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.19		0.21		0.10	0.21		0.22	
	Back at 15mm	0.384	0.192	0.205	0.214	0.492	0.683	0.675	0.144	1.26		1.23		0.6	1.20		1.21	
LTE Band 41_Ant 2	Front at 5mm	0.18	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.28		0.30		0.18	0.30		0.31	
	Back at 5mm	0.565	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.67	#46	1.59		0.94	1.34		1.41	
	Front at 19mm	0.049	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.15		0.16		0.05	0.16		0.18	
	Back at 15mm	0.113	0.192	0.205	0.214	0.492	0.683	0.675	0.144	0.99		0.95		0.33	0.93		0.94	
LTE Band 48_Ant 1	Front at 5mm	0.348	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.45		0.46		0.35	0.46		0.47	
	Back at 5mm	0.389	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.49		1.41		0.77	1.16		1.24	
	Front at 19mm	0.026	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.12		0.14		0.03	0.14		0.15	
	Back at 15mm	0.101	0.192	0.205	0.214	0.492	0.683	0.675	0.144	0.98		0.94		0.32	0.92		0.93	
LTE Band 48_Ant 2	Front at 5mm	0.188	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.29		0.30		0.19	0.30		0.31	
	Back at 5mm	0.378	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.48		1.40		0.76	1.15		1.23	
	Front at 19mm		0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.10		0.12		0.00	0.12		0.13	
	Back at 15mm		0.192	0.205	0.214	0.492	0.683	0.675	0.144	0.88		0.84		0.21	0.82		0.83	
FR1 n5_Ant 2	Front at 5mm	0.219	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.32		0.33		0.22	0.33		0.35	
	Back at 5mm	0.342	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.44		1.36		0.72	1.11		1.19	
	Front at 19mm		0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.10		0.12		0.00	0.12		0.13	
	Back at 15mm		0.192	0.205	0.214	0.492	0.683	0.675	0.144	0.88		0.84		0.21	0.82		0.83	
FR1 n5_Ant 1	Front at 5mm	0.009	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.11		0.12		0.01	0.12		0.14	
	Back at 5mm	0.025	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.13		1.05		0.40	0.80		0.87	
	Front at 19mm		0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.10		0.12		0.00	0.12		0.13	
	Back at 15mm		0.192	0.205	0.214	0.492	0.683	0.675	0.144	0.88		0.84		0.21	0.82		0.83	
FR1 n25_Ant 2	Front at 5mm	0.572	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.67		0.69		0.57	0.69		0.70	
	Back at 5mm	0.702	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.80	#48	1.72	#49	1.08	1.47		1.55	
	Front at 19mm		0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.10		0.12		0.00	0.12		0.13	
	Back at 15mm		0.192	0.205	0.214	0.492	0.683	0.675	0.144	0.88		0.84		0.21	0.82		0.83	
FR1 n25_Ant 1	Front at 5mm	0.303	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.40		0.42		0.30	0.42		0.43	
	Back at 5mm	0.463	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.56		1.49		0.84	1.24		1.31	
	Front at 19mm		0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.10		0.12		0.00	0.12		0.13	
	Back at 15mm		0.192	0.205	0.214	0.492	0.683	0.675	0.144	0.88		0.84		0.21	0.82		0.83	
FR1	Front at 5mm	0.541	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.64		0.66		0.54	0.66		0.67	



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n66_Ant 2	Back at 5mm	0.826	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.93	#92	1.85	#93	1.20	1.60	#94	1.68	#91
	Front at 19mm		0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.10		0.12		0.00	0.12		0.13	
	Back at 15mm		0.192	0.205	0.214	0.492	0.683	0.675	0.144	0.88		0.84		0.21	0.82		0.83	
FR1 n66_Ant 1	Front at 5mm	0.383	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.48		0.50		0.38	0.50		0.51	
	Back at 5mm	0.914	0.396	0.43	0.378	0.448	0.705	0.628	0.144	2.02	#95	1.94	#96	1.29	1.69	#97	1.76	#98
	Front at 19mm		0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.10		0.12		0.00	0.12		0.13	
FR1 n71_Ant 2	Back at 15mm		0.192	0.205	0.214	0.492	0.683	0.675	0.144	0.88		0.84		0.21	0.82		0.83	
	Front at 5mm	0.21	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.31		0.33		0.21	0.33		0.34	
	Back at 5mm	0.316	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.42		1.34		0.69	1.09		1.17	
FR1 n71_Ant 1	Front at 19mm		0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.10		0.12		0.00	0.12		0.13	
	Back at 15mm		0.192	0.205	0.214	0.492	0.683	0.675	0.144	0.88		0.84		0.21	0.82		0.83	
	Front at 5mm	0.015	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.11		0.13		0.02	0.13		0.14	
FR1 n41_Ant 2	Back at 5mm	0.042	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.14		1.06		0.42	0.81		0.89	
	Front at 19mm		0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.10		0.12		0.00	0.12		0.13	
	Back at 15mm		0.192	0.205	0.214	0.492	0.683	0.675	0.144	0.88		0.84		0.21	0.82		0.83	
FR1 n41_Ant 2	Front at 5mm	0.192	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.29		0.31		0.19	0.31		0.32	
	Back at 5mm	0.219	0.396	0.43	0.378	0.448	0.705	0.628	0.144	1.32		1.24		0.60	0.99		1.07	
	Front at 19mm	0.14	0.001	0.001	0.001	0.085	0.097	0.086	0.029	0.24		0.26		0.14	0.26		0.27	
FR1 n41_Ant 2	Back at 15mm	0.365	0.192	0.205	0.214	0.492	0.683	0.675	0.144	1.24		1.21		0.58	1.18		1.19	

WWAN Band	Exposure Position	1	2	3	4	1+4 Summed 1g SAR (W/kg)	Case No	2+3 Summed 1g SAR (W/kg)	Case No
		2.4GHz WLAN Ant 4 1g SAR (W/kg)	2.4GHz WLAN Ant 3 1g SAR (W/kg)	5GHz WLAN Ant 4 1g SAR (W/kg)	5GHz WLAN Ant 3 1g SAR (W/kg)				
DBS	Front	0.011	0.020	0.086	0.182	0.19		0.11	
	Back	0.984	1.030	1.177	1.160	2.14	#55	2.21	#56



17.6 Product specific 10g SAR Exposure Conditions

WWAN Band	Exposure Position	1	2	3	4	5	1+2 Summed 10g SAR (W/kg)	Case No	1+3 Summed 10g SAR (W/kg)	Case No	1+4 Summed 10g SAR (W/kg)	Case No	1+5 Summed 10g SAR (W/kg)	Case No
		WWAN	2.4GHz WLAN Ant 3+4	5GHz WLAN Ant 4	5GHz WLAN Ant 3	5GHz WLAN Ant 3+4								
		10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)	10g SAR (W/kg)								
WCDMA II	Front			0.042	0.067	0.096	0.00		0.04		0.07		0.10	
	Back	2.029	1.388	1.814	2.163	2.834	3.42		3.84		4.19	#70	4.86	#71
	Left side				0.19	0.255	0.00		0.00		0.19		0.26	
	Right side			0.834		1.351	0.00		0.83		0.00		1.35	
	Top side						0.00		0.00		0.00		0.00	
	Bottom side			0.069	0.108	0.119	0.00		0.07		0.11		0.12	
WCDMA IV	Front			0.042	0.067	0.096	0.00		0.04		0.07		0.10	
	Back		1.388	1.814	2.163	2.834	1.39		1.81		2.16		2.83	
	Left side				0.19	0.255	0.00		0.00		0.19		0.26	
	Right side			0.834		1.351	0.00		0.83		0.00		1.35	
	Top side						0.00		0.00		0.00		0.00	
	Bottom side	1.051		0.069	0.108	0.119	1.05		1.12		1.16		1.17	
CDMA2000 BC1	Front	1.751		0.042	0.067	0.096	1.75		1.79		1.82		1.85	
	Back	2.707	1.388	1.814	2.163	2.834	4.10	#72	4.52	#73	4.87	#74	5.54	#75
	Left side				0.19	0.255	0.00		0.00		0.19		0.26	
	Right side			0.834		1.351	0.00		0.83		0.00		1.35	
	Top side						0.00		0.00		0.00		0.00	
	Bottom side			0.069	0.108	0.119	0.00		0.07		0.11		0.12	
LTE Band 7_Ant 1	Front	0.984		0.042	0.067	0.096	0.98		1.03		1.05		1.08	
	Back	0.908	1.388	1.814	2.163	2.834	2.30		2.72		3.07		3.74	
	Left side				0.19	0.255	0.00		0.00		0.19		0.26	
	Right side			0.834		1.351	0.00		0.83		0.00		1.35	
	Top side						0.00		0.00		0.00		0.00	
	Bottom side	1.059		0.069	0.108	0.119	1.06		1.13		1.17		1.18	
LTE Band 7_Ant 2	Front	1.344		0.042	0.067	0.096	1.34		1.39		1.41		1.44	
	Back		1.388	1.814	2.163	2.834	1.39		1.81		2.16		2.83	
	Left side				0.19	0.255	0.00		0.00		0.19		0.26	
	Right side			0.834		1.351	0.00		0.83		0.00		1.35	
	Top side						0.00		0.00		0.00		0.00	
	Bottom side	1.477		0.069	0.108	0.119	1.48		1.55		1.59		1.60	
LTE Band 25_Ant 1	Front			0.042	0.067	0.096	0.00		0.04		0.07		0.10	
	Back	1.951	1.388	1.814	2.163	2.834	3.34		3.77		4.11	#76	4.79	#77
	Left side				0.19	0.255	0.00		0.00		0.19		0.26	
	Right side			0.834		1.351	0.00		0.83		0.00		1.35	
	Top side						0.00		0.00		0.00		0.00	
	Bottom side	1.14		0.069	0.108	0.119	1.14		1.21		1.25		1.26	
LTE Band 30_Ant 1	Front			0.042	0.067	0.096	0.00		0.04		0.07		0.10	
	Back		1.388	1.814	2.163	2.834	1.39		1.81		2.16		2.83	
	Left side				0.19	0.255	0.00		0.00		0.19		0.26	
	Right side			0.834		1.351	0.00		0.83		0.00		1.35	
	Top side						0.00		0.00		0.00		0.00	
	Bottom side	1.433		0.069	0.108	0.119	1.43		1.50		1.54		1.55	
LTE Band 41_Ant 1	Front			0.042	0.067	0.096	0.00		0.04		0.07		0.10	
	Back		1.388	1.814	2.163	2.834	1.39		1.81		2.16		2.83	
	Left side				0.19	0.255	0.00		0.00		0.19		0.26	
	Right side			0.834		1.351	0.00		0.83		0.00		1.35	
	Top side						0.00		0.00		0.00		0.00	
	Bottom side	2.286		0.069	0.108	0.119	2.29		2.36		2.39		2.41	
LTE Band	Front			0.042	0.067	0.096	0.00		0.04		0.07		0.10	



FCC SAR Test Report

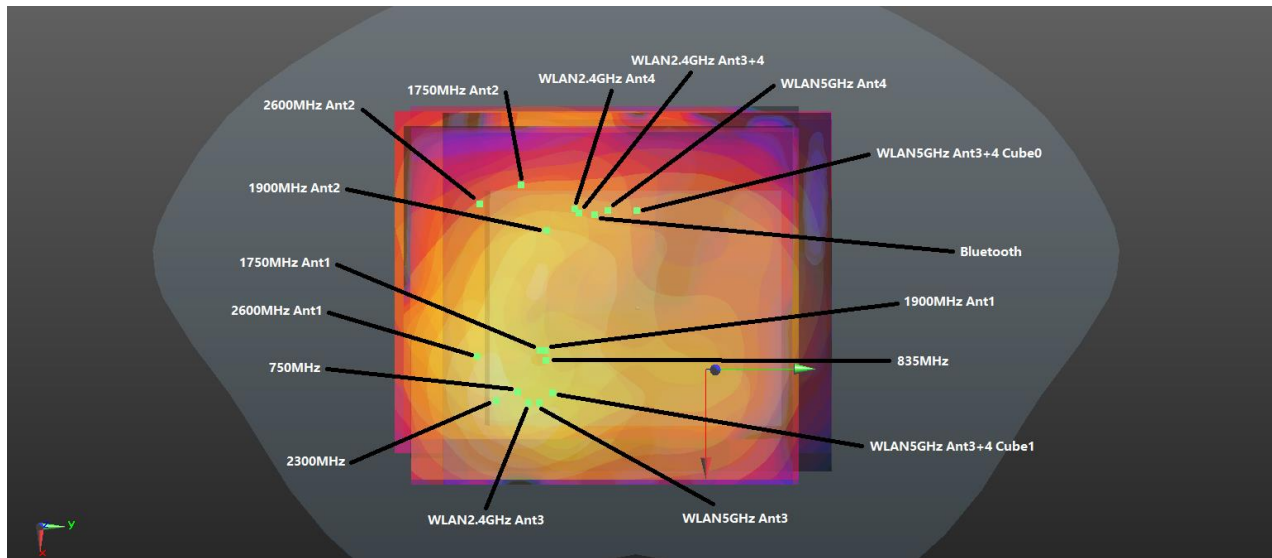
Report No. : FA052803-04

41_Ant 2	Back		1.388	1.814	2.163	2.834	1.39		1.81		2.16		2.83	
	Left side				0.19	0.255	0.00		0.00		0.19		0.26	
	Right side			0.834		1.351	0.00		0.83		0.00		1.35	
	Top side						0.00		0.00		0.00		0.00	
	Bottom side	1.796		0.069	0.108	0.119	1.80		1.87		1.90		1.92	
LTE Band 48_Ant 1	Front	1.531		0.042	0.067	0.096	1.53		1.57		1.60		1.63	
	Back	0.768	1.388	1.814	2.163	2.834	2.16		2.58		2.93		3.60	
	Left side				0.19	0.255	0.00		0.00		0.19		0.26	
	Right side	0.363		0.834		1.351	0.36		1.20		0.36		1.71	
	Top side						0.00		0.00		0.00		0.00	
FR1 n41_Ant 2	Bottom side	1.999		0.069	0.108	0.119	2.00		2.07		2.11		2.12	
	Front			0.042	0.067	0.096	0.00		0.04		0.07		0.10	
	Back	0.845	1.388	1.814	2.163	2.834	2.23		2.66		3.01		3.68	
	Left side				0.19	0.255	0.00		0.00		0.19		0.26	
	Right side			0.834		1.351	0.00		0.83		0.00		1.35	
	Top side						0.00		0.00		0.00		0.00	
	Bottom side	1.539		0.069	0.108	0.119	1.54		1.61		1.65		1.66	

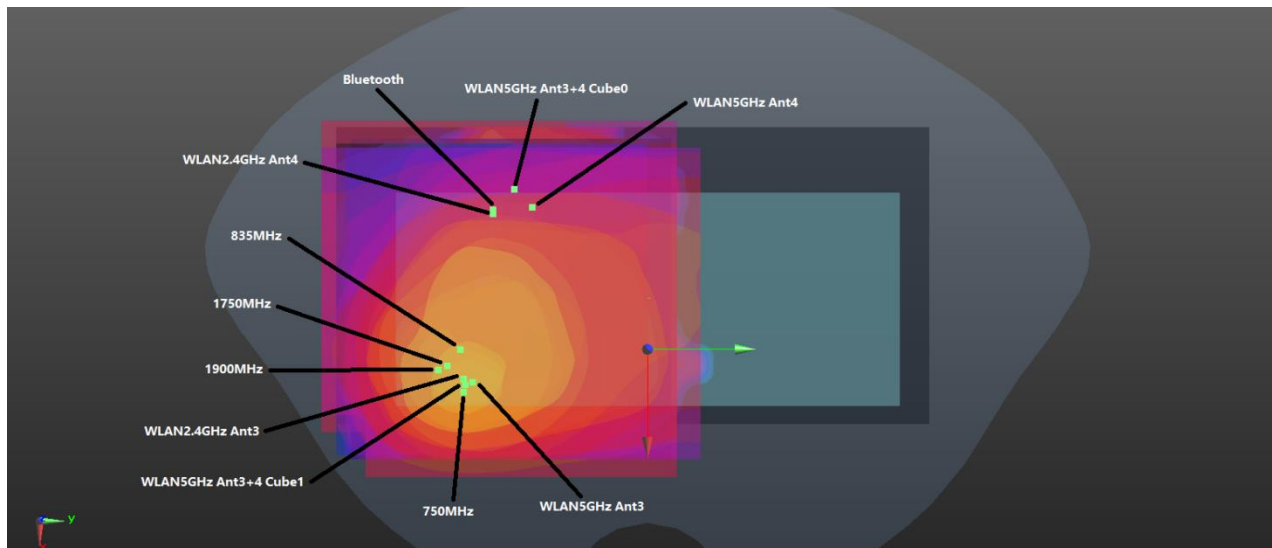
17.7 SPLSR Evaluation and Analysis

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, simultaneously transmission SAR measurement is not necessary.



<Flip Close> Back for WWAN+WLAN+BT_5mm



<Flip Open> Back for WWAN+WLAN+BT_5mm



<Flip Close>

Hotspot

	Band	Position	SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
				(mm)	X	Y	Z				
Case 4	GSM1900	Back	0.597	5mm	6.1	10.8	-2.22	46.5	0.99	0.02	Not required
	WLAN2.4GHz_Ant 4		0.396	5mm	-29.4	-19.2	-2.58				
	GSM1900	Back	0.597	5mm	6.1	10.8	-2.22	46.8	1.30	0.03	Not required
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69				
	WLAN2.4GHz_Ant 4	Back	0.396	5mm	-29.4	-19.2	-2.58	59.4	1.10	0.02	Not required
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69				
Case 5	GSM1900	Back	0.597	5mm	6.1	10.8	-2.22	48.6	1.03	0.02	Not required
	WLAN2.4GHz_Ant 3		0.43	5mm	29.8	-31.6	-1.66				
	GSM1900	Back	0.597	5mm	6.1	10.8	-2.22	46.5	1.05	0.02	Not required
	WLAN5GHz_Ant 4		0.448	5mm	-22.6	-25.8	-2.02				
	GSM1900	Back	0.597	5mm	6.1	10.8	-2.22	42.9	0.71	0.01	Not required
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97				
	WLAN2.4GHz_Ant 3	Back	0.43	5mm	29.8	-31.6	-1.66	61.1	0.54	0.01	Not required
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97				
	WLAN2.4GHz_Ant 3	Back	0.43	5mm	29.8	-31.6	-1.66	52.7	0.88	0.02	Not required
	WLAN5GHz_Ant 4		0.448	5mm	-22.6	-25.8	-2.02				
Case 18	GSM1900	Back	0.597	5mm	6.1	10.8	-2.22	48.6	1.03	0.02	Not required
	WLAN2.4GHz_Ant 3		0.43	5mm	29.8	-31.6	-1.66				
	GSM1900	Back	0.597	5mm	6.1	10.8	-2.22	46.5	1.05	0.02	Not required
	WLAN5GHz_Ant 4		0.448	5mm	-22.6	-25.8	-2.02				
	GSM1900	Back	0.597	5mm	6.1	10.8	-2.22	42.9	0.71	0.01	Not required
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97				
	WLAN2.4GHz_Ant 3	Back	0.43	5mm	29.8	-31.6	-1.66	61.1	0.54	0.01	Not required
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97				
	WLAN2.4GHz_Ant 3	Back	0.43	5mm	29.8	-31.6	-1.66	52.7	0.88	0.02	Not required
	WLAN5GHz_Ant 4		0.448	5mm	-22.6	-25.8	-2.02				
Case20	GSM1900	Back	0.597	5mm	6.1	10.8	-2.22	48.6	1.03	0.02	Not required
	WLAN2.4GHz_Ant 3		0.43	5mm	29.8	-31.6	-1.66				
	GSM1900	Back	0.597	5mm	6.1	10.8	-2.22	46.5	1.05	0.02	Not required
	WLAN5GHz_Ant 4		0.448	5mm	-22.6	-25.8	-2.02				
	GSM1900	Back	0.597	5mm	6.1	10.8	-2.22	42.9	0.71	0.01	Not required
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97				
Case 21	GSM1900	Back	0.597	5mm	6.1	10.8	-2.22	48.6	1.03	0.02	Not required
	WLAN2.4GHz_Ant 3		0.43	5mm	29.8	-31.6	-1.66				
	GSM1900	Back	0.597	5mm	6.1	10.8	-2.22	46.5	1.05	0.02	Not required
	WLAN5GHz_Ant 4		0.448	5mm	-22.6	-25.8	-2.02				
	GSM1900	Back	0.597	5mm	6.1	10.8	-2.22	42.9	0.71	0.01	Not required
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97				
	WLAN2.4GHz_Ant 3	Back	0.43	5mm	29.8	-31.6	-1.66	61.1	0.54	0.01	Not required
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97				
	WLAN2.4GHz_Ant 3	Back	0.43	5mm	29.8	-31.6	-1.66	52.7	0.88	0.02	Not required
	WLAN5GHz_Ant 4		0.448	5mm	-22.6	-25.8	-2.02				

	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 22	LTE Band 25_Ant 1	Back	0.637	5mm	27.3	-64.8	2.29	72.9	1.03	0.01	Not required
	WLAN2.4GHz_Ant 4		0.396	5mm	-29.4	-19.2	-2.58				
	LTE Band 25_Ant 1	Back	0.637	5mm	27.3	-64.8	2.29	35.1	1.34	0.04	Not required
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69				
	WLAN2.4GHz_Ant 4	Back	0.396	5mm	-29.4	-19.2	-2.58	59.4	1.10	0.02	Not required
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69				
Case 23	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 25_Ant 1	Back	0.637	5mm	27.3	-64.8	2.29	33.5	1.07	0.03	Not required
	WLAN2.4GHz_Ant 3		0.43	5mm	29.8	-31.6	-1.66				
	LTE Band 25_Ant 1	Back	0.637	5mm	27.3	-64.8	2.29	63.5	1.09	0.02	Not required
	WLAN5GHz_Ant 4		0.448	5mm	-22.6	-25.8	-2.02				
	LTE Band 25_Ant 1	Back	0.637	5mm	27.3	-64.8	2.29	75.7	0.75	0.01	Not required
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97				
	WLAN2.4GHz_Ant 3	Back	0.43	5mm	29.8	-31.6	-1.66	61.1	0.54	0.01	Not required
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97				
	WLAN2.4GHz_Ant 3	Back	0.43	5mm	29.8	-31.6	-1.66	52.7	0.88	0.02	Not required
	WLAN5GHz_Ant 4		0.448	5mm	-22.6	-25.8	-2.02				
Case 31	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 13_Ant 1	Back	0.62	5mm	-24.2	-49.5	-2.06	30.7	1.02	0.03	Not required
	WLAN2.4GHz_Ant 4		0.396	5mm	-29.4	-19.2	-2.58				
	LTE Band 13_Ant 1	Back	0.62	5mm	-24.2	-49.5	-2.06	56.7	1.33	0.03	Not required
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69				
	WLAN2.4GHz_Ant 4	Back	0.396	5mm	-29.4	-19.2	-2.58	59.4	1.10	0.02	Not required
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69				
Case 36	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 14_Ant 2	Back	0.507	5mm	-28.8	-42.4	-1.98	23.2	0.90	0.04	Not required
	WLAN2.4GHz_Ant 4		0.396	5mm	-29.4	-19.2	-2.58				
	LTE Band 14_Ant 2	Back	0.507	5mm	-28.8	-42.4	-1.98	59.1	1.21	0.02	Not required
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69				
	WLAN2.4GHz_Ant 4	Back	0.396	5mm	-29.4	-19.2	-2.58	59.4	1.10	0.02	Not required
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69				
Case 46	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR
	LTE Band 41_Ant 2	Back	0.565	5mm	-21	-50.4	1.9	32.6	0.96	0.03	Not required
	WLAN2.4GHz_Ant 4		0.396	5mm	-29.4	-19.2	-2.58				
	LTE Band 14_Ant 2	Back	0.565	5mm	-21	-50.4	1.9	54.1	1.27	0.03	Not required
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69				
	WLAN2.4GHz_Ant 4	Back	0.396	5mm	-29.4	-19.2	-2.58	59.4	1.10	0.02	Not required
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69				

	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 94	FR1 n66_Ant 2	Back	0.826	5mm	-30	-37.6	1.85	37.1	1.35	0.04	Not required
	WLAN5GHz_Ant 3+4_Cube0		0.528	5mm	-29.2	-0.8	-2.7				
	FR1 n66_Ant 2	Back	0.826	5mm	-30	-37.6	1.85	72.9	1.45	0.02	Not required
	WLAN5GHz_Ant 3+4_Cube1		0.628	5mm	42	-26.8	-2.18				
	FR1 n66_Ant 2	Back	0.826	5mm	-30	-37.6	1.85	23.7	0.9	0.0	Not required
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97				
Case 91	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 91	FR1 n66_Ant 2	Back	0.826	5mm	-30	-37.6	1.85	59.6	1.53	0.03	Not required
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69				
	FR1 n66_Ant 2	Back	0.826	5mm	-30	-37.6	1.85	23.7	0.94	0.04	Not required
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97				

Body-worn

	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 68	CDMA2000 BC0	Back	0.665	5mm	19.3	-60.2	0.87	30.6	1.10	0.04	Not required
	WLAN2.4GHz_Ant 3		0.43	5mm	29.8	-31.6	-1.66				
	CDMA2000 BC0	Back	0.665	5mm	19.3	-60.2	0.87	54.3	1.11	0.02	Not required
	WLAN5GHz_Ant 4		0.448	5mm	-22.6	-25.8	-2.02				
	CDMA2000 BC0	Back	0.665	5mm	19.3	-60.2	0.87	66.6	0.78	0.01	Not required
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97				
	WLAN2.4GHz_Ant 3	Back	0.43	5mm	29.8	-31.6	-1.66	61.1	0.54	0.01	Not required
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97				
	WLAN2.4GHz_Ant 3	Back	0.43	5mm	29.8	-31.6	-1.66	52.7	0.88	0.02	Not required
	WLAN5GHz_Ant 4		0.448	5mm	-22.6	-25.8	-2.02				

17.8 Volume Scan Result

General Note:

- During multi-band SAR combination, the SAR scaling factors were input into the SEMCAD X software to account for tune-up tolerance.

<Flip Close--5mm>

Hotspot/Body-worn

Case 01	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
					X	Y	Z					
	GSM850	Back	0.774	5mm	30.4	-36	2.19	62.3	1.17	0.02	Required	1.39
	WLAN2.4GHz_Ant 4		0.396	5mm	-29.4	-19.2	-2.58					
	GSM850	Back	0.774	5mm	30.4	-36	2.19	7.3	1.48	0.25		
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69					
	WLAN5GHz_Ant 3	Back	0.705	5mm	29	-30	-1.69	59.4	1.10	0.02		
	WLAN2.4GHz_Ant 4		0.396	5mm	-29.4	-19.2	-2.58					
Case 02	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
					X	Y	Z					
	GSM850	Back	0.774	5mm	30.4	-36	2.19	5.9	1.20	0.22	Required	1.34
	WLAN2.4GHz_Ant 3		0.43	5mm	29.8	-31.6	-1.66					
	GSM850	Back	0.774	5mm	30.4	-36	2.19	54.1	1.22	0.02		
	WLAN5GHz_Ant 4		0.448	5mm	-22.6	-25.8	-2.02					
	GSM850	Back	0.774	5mm	30.4	-36	2.19	63.2	0.89	0.01		
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97					
	WLAN2.4GHz_Ant 3	Back	0.43	5mm	29.8	-31.6	-1.66	61.1	0.54	0.01		
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97					
	WLAN2.4GHz_Ant 3	Back	0.43	5mm	29.8	-31.6	-1.66	52.7	0.88	0.02		
WLAN5GHz_Ant 4	0.448		5mm	-22.6	-25.8	-2.02						
Case 03	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results		
					X	Y	Z					
	GSM850	Back	0.774	5mm	30.4	-36	2.19	7.3	1.48	0.25	Required	1.39
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69					
	GSM850	Back	0.774	5mm	30.4	-36	2.19	63.2	0.89	0.01		
Bluetooth	0.114		5mm	-28.8	-14.2	-1.97						
Case 06	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results		
					X	Y	Z					
	WCDMA II	Back	0.867	5mm	25.8	-33.3	1.85	57.1	1.26	0.02	Required	1.59
	WLAN2.4GHz_Ant 4		0.396	5mm	-29.4	-19.2	-2.58					
	WCDMA II	Back	0.867	5mm	25.8	-33.3	1.85	5.8	1.57	0.34		
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69					
	WLAN2.4GHz_Ant 4	Back	0.396	5mm	-29.4	-19.2	-2.58	59.4	1.10	0.02		
WLAN5GHz_Ant 3	0.705		5mm	29	-30	-1.69						
Case 07	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results		
					X	Y	Z					
	WCDMA II	Back	0.867	5mm	25.8	-33.3	1.85	5.6	1.30	0.26	Required	1.41
	WLAN2.4GHz_Ant 3		0.43	5mm	29.8	-31.6	-1.66					
	WCDMA II	Back	0.867	5mm	25.8	-33.3	1.85	49.1	1.32	0.03		
	WLAN5GHz_Ant 4		0.448	5mm	-22.6	-25.8	-2.02					
	WCDMA II	Back	0.867	5mm	25.8	-33.3	1.85	58.0	0.98	0.02		
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97					
	WLAN2.4GHz_Ant 3	Back	0.43	5mm	29.8	-31.6	-1.66	61.1	0.54	0.01		
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97					
WLAN2.4GHz_Ant 3	Back	0.43	5mm	29.8	-31.6	-1.66	52.7	0.88	0.02			
WLAN5GHz_Ant 4		0.448	5mm	-22.6	-25.8	-2.02						



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	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
					X	Y	Z					
Case 08	WCDMA II	Back	0.867	5mm	25.8	-33.3	1.85	64.0	1.40	0.03	Required	0.926
	WLAN5GHz_Ant 3+4_Cube0		0.528	5mm	-29.2	-0.8	-2.7					
	WCDMA II	Back	0.867	5mm	25.8	-33.3	1.85	17.9	1.50	0.10		
	WLAN5GHz_Ant 3+4_Cube1		0.628	5mm	42	-26.8	-2.18					
	WCDMA II	Back	0.867	5mm	25.8	-33.3	1.85	58.0	1.0	0.0		
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97					
Case 09	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
	X	Y	Z									
	WCDMA II	Back	0.867	5mm	25.8	-33.3	1.85	5.8	1.57	0.34	Required	1.58
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69					
	WCDMA II	Back	0.867	5mm	25.8	-33.3	1.85	58.0	0.98	0.02		
Bluetooth	0.114		5mm	-28.8	-14.2	-1.97						
Case 10	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
	X	Y	Z									
	WCDMA IV	Back	0.819	5mm	25.8	-34.8	1.84	57.5	1.22	0.02	Required	1.50
	WLAN2.4GHz_Ant 4		0.396	5mm	-29.4	-19.2	-2.58					
	WCDMA IV	Back	0.819	5mm	25.8	-34.8	1.84	6.8	1.52	0.28		
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69					
	WLAN2.4GHz_Ant 4	Back	0.396	5mm	-29.4	-19.2	-2.58	59.4	1.10	0.02		
WLAN5GHz_Ant 3	0.705		5mm	29	-30	-1.69						
Case 11	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results		
	X	Y	Z									
	WCDMA IV	Back	0.819	5mm	25.8	-34.8	1.84	6.2	1.25	0.22	Required	1.34
	WLAN2.4GHz_Ant 3		0.43	5mm	29.8	-31.6	-1.66					
	WCDMA IV	Back	0.819	5mm	25.8	-34.8	1.84	49.4	1.27	0.03		
	WLAN5GHz_Ant 4		0.448	5mm	-22.6	-25.8	-2.02					
	WCDMA IV	Back	0.819	5mm	25.8	-34.8	1.84	58.5	0.93	0.02		
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97					
	WLAN2.4GHz_Ant 3	Back	0.43	5mm	29.8	-31.6	-1.66	61.1	0.54	0.01		
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97					
WLAN2.4GHz_Ant 3	Back	0.43	5mm	29.8	-31.6	-1.66	52.7	0.88	0.02			
WLAN5GHz_Ant 4		0.448	5mm	-22.6	-25.8	-2.02						
Case 12	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
	X	Y	Z									
	WCDMA IV	Back	0.819	5mm	25.8	-34.8	1.84	6.8	1.52	0.28	Required	1.50
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69					
	WCDMA IV	Back	0.819	5mm	25.8	-34.8	1.84	58.5	0.93	0.02		
Bluetooth	0.114		5mm	-28.8	-14.2	-1.97						
Case 13	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results		
	X	Y	Z									
	WCDMA V	Back	0.754	5mm	32.4	-42.5	2.22	66.2	1.15	0.02	Required	1.55
	WLAN2.4GHz_Ant 4		0.396	5mm	-29.4	-19.2	-2.58					
	WCDMA V	Back	0.754	5mm	32.4	-42.5	2.22	13.5	1.46	0.13		
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69					
	WLAN2.4GHz_Ant 4	Back	0.396	5mm	-29.4	-19.2	-2.58	59.4	1.10	0.02		
WLAN5GHz_Ant 3	0.705		5mm	29	-30	-1.69						



	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
					X	Y	Z					
	Case 14	WCDMA V	Back	0.754	5mm	32.4	-42.5	2.22	11.9	1.18	0.11	Required
WLAN2.4GHz_Ant 3	0.43	5mm		29.8	-31.6	-1.66						
WCDMA V	Back	0.754	5mm	32.4	-42.5	2.22	57.6	1.20	0.02			
WLAN5GHz_Ant 4		0.448	5mm	-22.6	-25.8	-2.02						
WCDMA V	Back	0.754	5mm	32.4	-42.5	2.22	67.6	0.87	0.01			
Bluetooth		0.114	5mm	-28.8	-14.2	-1.97						
WLAN2.4GHz_Ant 3	Back	0.43	5mm	29.8	-31.6	-1.66	61.1	0.54	0.01			
Bluetooth		0.114	5mm	-28.8	-14.2	-1.97						
WLAN2.4GHz_Ant 3	Back	0.43	5mm	29.8	-31.6	-1.66	52.7	0.88	0.02			
WLAN5GHz_Ant 4		0.448	5mm	-22.6	-25.8	-2.02						
Case 16	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
	WCDMA V	Back	0.754	5mm	32.4	-42.5	2.22	13.5	1.46	0.13	Required	1.54
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69					
	WCDMA V	Back	0.754	5mm	32.4	-42.5	2.22	67.6	0.87	0.01		
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97					
Case 17	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
	CDMA2000 BC0	Back	0.681	5mm	19.4	-60.3	0.85	63.9	1.08	0.02	Required	1.47
	WLAN2.4GHz_Ant 4		0.396	5mm	-29.4	-19.2	-2.58					
	CDMA2000 BC0	Back	0.681	5mm	19.4	-60.3	0.85	31.9	1.39	0.05		
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69					
	WLAN2.4GHz_Ant 4	Back	0.396	5mm	-29.4	-19.2	-2.58	59.4	1.10	0.02		
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69					
Case 19	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
	CDMA2000 BC1	Back	0.524	5mm	25.7	-25.5	-2.45	55.5	0.92	0.02	Required	0.86
	WLAN2.4GHz_Ant 4		0.396	5mm	-29.4	-19.2	-2.58					
	CDMA2000 BC1	Back	0.524	5mm	25.7	-25.5	-2.45	5.6	1.23	0.24		
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69					
	WLAN2.4GHz_Ant 4	Back	0.396	5mm	-29.4	-19.2	-2.58	59.4	1.10	0.02		
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69					
Case 24	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
	LTE Band 26_Ant 1	Back	0.826	5mm	25.2	-40.6	-2.01	58.6	1.22	0.02	Required	1.56
	WLAN2.4GHz_Ant 4		0.396	5mm	-29.4	-19.2	-2.58					
	LTE Band 26_Ant 1	Back	0.826	5mm	25.2	-40.6	-2.01	11.3	1.53	0.17		
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69					
	WLAN2.4GHz_Ant 4	Back	0.396	5mm	-29.4	-19.2	-2.58	59.4	1.10	0.02		
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69					



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	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
					X	Y	Z					
	Case 25	LTE Band 26_Ant 1	Back	0.826	5mm	25.2	-40.6	-2.01	10.1	1.26	0.14	Required
WLAN2.4GHz_Ant 3	0.43	5mm		29.8	-31.6	-1.66						
LTE Band 26_Ant 1	Back	0.826	5mm	25.2	-40.6	-2.01	50.0	1.27	0.03			
WLAN5GHz_Ant 4		0.448	5mm	-22.6	-25.8	-2.02						
LTE Band 26_Ant 1	Back	0.826	5mm	25.2	-40.6	-2.01	60.1	0.94	0.02			
Bluetooth		0.114	5mm	-28.8	-14.2	-1.97						
WLAN2.4GHz_Ant 3	Back	0.43	5mm	29.8	-31.6	-1.66	61.1	0.54	0.01			
Bluetooth		0.114	5mm	-28.8	-14.2	-1.97						
WLAN2.4GHz_Ant 3	Back	0.43	5mm	29.8	-31.6	-1.66	52.7	0.88	0.02			
WLAN5GHz_Ant 4		0.448	5mm	-22.6	-25.8	-2.02						
Case 26	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
	LTE Band 26_Ant 1	Back	0.826	5mm	25.2	-40.6	-2.01	67.4	1.35	0.02	Required	0.888
	WLAN5GHz_Ant 3+4_Cube0		0.528	5mm	-29.2	-0.8	-2.7					
	LTE Band 26_Ant 1	Back	0.826	5mm	25.2	-40.6	-2.01	21.7	1.45	0.08		
	WLAN5GHz_Ant 3+4_Cube1		0.628	5mm	42	-26.8	-2.18					
	LTE Band 26_Ant 1	Back	0.826	5mm	25.2	-40.6	-2.01	60.1	0.9	0.0		
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97					
Case 27	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
	LTE Band 26_Ant 1	Back	0.826	5mm	25.2	-40.6	-2.01	11.3	1.53	0.17	Required	1.55
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69					
	LTE Band 26_Ant 1	Back	0.826	5mm	25.2	-40.6	-2.01	60.1	0.94	0.02		
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97					
Case 28	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results		
	LTE Band 7_Ant 1	Back	0.546	5mm	25	-45.8	2.02	60.7	0.94	0.02	Required	0.871
	WLAN2.4GHz_Ant 4		0.396	5mm	-29.4	-19.2	-2.58					
	LTE Band 7_Ant 1	Back	0.546	5mm	25	-45.8	2.02	16.7	1.25	0.08		
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69					
	WLAN2.4GHz_Ant 4	Back	0.396	5mm	-29.4	-19.2	-2.58	59.4	1.10	0.02		
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69					
Case 30	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results		
	LTE Band 12_Ant 1	Back	0.501	5mm	22.1	-42.1	-2.02	56.4	0.90	0.02	Required	1.17
	WLAN2.4GHz_Ant 4		0.396	5mm	-29.4	-19.2	-2.58					
	LTE Band 12_Ant 1	Back	0.501	5mm	22.1	-42.1	-2.02	13.9	1.21	0.10		
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69					
	WLAN2.4GHz_Ant 4	Back	0.396	5mm	-29.4	-19.2	-2.58	59.4	1.10	0.02		
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69					



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	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	SAR (W/kg)	Multi Band SAR
					X	Y	Z					
Case 32	LTE Band 13_Ant 1	Back	0.62	5mm	-24.2	-49.5	-2.06	56.9	1.05	0.02	Required	1.20
	WLAN2.4GHz_Ant 3		0.43	5mm	29.8	-31.6	-1.66					
	LTE Band 13_Ant 1	Back	0.62	5mm	-24.2	-49.5	-2.06	23.8	1.07	0.05		
	WLAN5GHz_Ant 4		0.448	5mm	-22.6	-25.8	-2.02					
	LTE Band 13_Ant 1	Back	0.62	5mm	-24.2	-49.5	-2.06	35.6	0.73	0.02		
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97					
	WLAN2.4GHz_Ant 3	Back	0.43	5mm	29.8	-31.6	-1.66	61.1	0.54	0.01		
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97					
	WLAN2.4GHz_Ant 3	Back	0.43	5mm	29.8	-31.6	-1.66	52.7	0.88	0.02		
	WLAN5GHz_Ant 4		0.448	5mm	-22.6	-25.8	-2.02					
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	SAR (W/kg)	Multi Band SAR
					X	Y	Z					
Case 33	LTE Band 14_Ant 1	Back	0.809	5mm	29.9	-30.8	-1.88	60.4	1.21	0.02	Required	1.48
	WLAN2.4GHz_Ant 4		0.396	5mm	-29.4	-19.2	-2.58					
	LTE Band 14_Ant 1	Back	0.809	5mm	29.9	-30.8	-1.88	1.2	1.51	1.53		
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69					
	WLAN2.4GHz_Ant 4	Back	0.396	5mm	-29.4	-19.2	-2.58	59.4	1.10	0.02		
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69					
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
					X	Y	Z					
Case 34	LTE Band 14_Ant 1	Back	0.809	5mm	29.9	-30.8	-1.88	0.8	1.24	1.65	Required	1.39
	WLAN2.4GHz_Ant 3		0.43	5mm	29.8	-31.6	-1.66					
	LTE Band 14_Ant 1	Back	0.809	5mm	29.9	-30.8	-1.88	52.7	1.26	0.03		
	WLAN5GHz_Ant 4		0.448	5mm	-22.6	-25.8	-2.02					
	LTE Band 14_Ant 1	Back	0.809	5mm	29.9	-30.8	-1.88	61.0	0.92	0.01		
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97					
	WLAN2.4GHz_Ant 3	Back	0.43	5mm	29.8	-31.6	-1.66	61.1	0.54	0.01		
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97					
	WLAN2.4GHz_Ant 3	Back	0.43	5mm	29.8	-31.6	-1.66	52.7	0.88	0.02		
	WLAN5GHz_Ant 4		0.448	5mm	-22.6	-25.8	-2.02					
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
					X	Y	Z					
Case 35	LTE Band 14_Ant 1	Back	0.809	5mm	29.9	-30.8	-1.88	1.2	1.51	1.53	Required	1.48
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69					
	LTE Band 14_Ant 1	Back	0.809	5mm	29.9	-30.8	-1.88	61.0	0.92	0.01		
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97					
	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	SAR (W/kg)	Multi Band SAR
					X	Y	Z					
Case 37	LTE Band 30_Ant 1	Back	0.916	5mm	31.5	-42.6	-1.78	65.2	1.31	0.02	Required	1.43
	WLAN2.4GHz_Ant 4		0.396	5mm	-29.4	-19.2	-2.58					
	LTE Band 30_Ant 1	Back	0.916	5mm	31.5	-42.6	-1.78	12.8	1.62	0.16		
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69					
	WLAN2.4GHz_Ant 4	Back	0.396	5mm	-29.4	-19.2	-2.58	59.4	1.10	0.02		
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69					



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Case 38	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR		
					X	Y	Z							
	LTE Band 30_Ant 1	Back	0.916	5mm	31.5	-42.6	-1.78	11.1	1.35	0.14	Required	1.21		
	WLAN2.4GHz_Ant 3		0.43	5mm	29.8	-31.6	-1.66							
	LTE Band 30_Ant 1	Back	0.916	5mm	31.5	-42.6	-1.78	56.6	1.36	0.03				
	WLAN5GHz_Ant 4		0.448	5mm	-22.6	-25.8	-2.02							
	LTE Band 30_Ant 1	Back	0.916	5mm	31.5	-42.6	-1.78	66.7	1.03	0.02				
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97							
	WLAN2.4GHz_Ant 3	Back	0.43	5mm	29.8	-31.6	-1.66	61.1	0.54	0.01				
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97							
WLAN2.4GHz_Ant 3	Back	0.43	5mm	29.8	-31.6	-1.66	52.7	0.88	0.02					
WLAN5GHz_Ant 4		0.448	5mm	-22.6	-25.8	-2.02								
Case 39	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR		
					X	Y	Z							
	LTE Band 30_Ant 1	Back	0.916	5mm	31.5	-42.6	-1.78	73.7	1.44	0.02	Required	0.932		
	WLAN5GHz_Ant 3+4_Cube0		0.528	5mm	-29.2	-0.8	-2.7							
	LTE Band 30_Ant 1	Back	0.916	5mm	31.5	-42.6	-1.78	19.0	1.54	0.10				
	WLAN5GHz_Ant 3+4_Cube1		0.628	5mm	42	-26.8	-2.18							
	LTE Band 30_Ant 1	Back	0.916	5mm	31.5	-42.6	-1.78	66.7	1.0	0.0				
Bluetooth	0.114		5mm	-28.8	-14.2	-1.97								
Case 40	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results			Simultaneous SAR	Multi Band SAR
					X	Y	Z							
	LTE Band 30_Ant 1	Back	0.916	5mm	31.5	-42.6	-1.78	12.8	1.62	0.16	Required	1.43		
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69							
	LTE Band 30_Ant 1	Back	0.916	5mm	31.5	-42.6	-1.78	66.7	1.03	0.02				
Bluetooth	0.114		5mm	-28.8	-14.2	-1.97								
Case 41	Band	Position	SAR (W/kg)	Gap (mm)	SAR37peak37location37(mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results			Simultaneous SAR	Multi Band SAR
					X	Y	Z							
	LTE Band 66_Ant 1	Back	0.799	5mm	28.6	-61.4	-1.41	71.7	1.20	0.02	Required	1.51		
	WLAN2.4GHz_Ant 4		0.396	5mm	-29.4	-19.2	-2.58							
	LTE Band 66_Ant 1	Back	0.799	5mm	28.6	-61.4	-1.41	31.4	1.50	0.06				
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69							
	WLAN2.4GHz_Ant 4	Back	0.396	5mm	-29.4	-19.2	-2.58	59.4	1.10	0.02				
WLAN5GHz_Ant 3	0.705		5mm	29	-30	-1.69								
Case 42	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results			Simultaneous SAR	Multi Band SAR
					X	Y	Z							
	LTE Band 66_Ant 1	Back	0.799	5mm	28.6	-61.4	-1.41	29.8	1.23	0.05	Required	1.28		
	WLAN2.4GHz_Ant 3		0.43	5mm	29.8	-31.6	-1.66							
	LTE Band 66_Ant 1	Back	0.799	5mm	28.6	-61.4	-1.41	62.4	1.25	0.02				
	WLAN5GHz_Ant 4		0.448	5mm	-22.6	-25.8	-2.02							
	LTE Band 66_Ant 1	Back	0.799	5mm	28.6	-61.4	-1.41	74.3	0.91	0.01				
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97							
	WLAN2.4GHz_Ant 3	Back	0.43	5mm	29.8	-31.6	-1.66	61.1	0.54	0.01				
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97							
WLAN2.4GHz_Ant 3	Back	0.43	5mm	29.8	-31.6	-1.66	52.7	0.88	0.02					
WLAN5GHz_Ant 4		0.448	5mm	-22.6	-25.8	-2.02								
Case 43	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR		
					X	Y	Z							
	LTE Band 66_Ant 1	Back	0.799	5mm	28.6	-61.4	-1.41	31.4	1.50	0.06	Required	1.51		
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69							
	LTE Band 66_Ant 1	Back	0.799	5mm	28.6	-61.4	-1.41	74.3	0.91	0.01				
Bluetooth	0.114		5mm	-28.8	-14.2	-1.97								



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Case 44	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
					X	Y	Z					
	LTE Band 41_Ant 1	Back	0.676	5mm	30.8	-49.2	2.11	67.4	1.07	0.02	Required	0.802
WLAN2.4GHz_Ant 4	0.396		5mm	-29.4	-19.2	-2.58						
LTE Band 41_Ant 1	Back	0.676	5mm	30.8	-49.2	2.11	19.7	1.38	0.08			
WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69						
WLAN2.4GHz_Ant 4	Back	0.396	5mm	-29.4	-19.2	-2.58	59.4	1.10	0.02			
WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69						
Case 45	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
					X	Y	Z					
	LTE Band 41_Ant 1	Back	0.676	5mm	30.8	-49.2	2.11	18.0	1.11	0.06	Required	0.69
	WLAN2.4GHz_Ant 3		0.43	5mm	29.8	-31.6	-1.66					
	LTE Band 41_Ant 1	Back	0.676	5mm	30.8	-49.2	2.11	58.4	1.12	0.02		
	WLAN5GHz_Ant 4		0.448	5mm	-22.6	-25.8	-2.02					
	LTE Band 41_Ant 1	Back	0.676	5mm	30.8	-49.2	2.11	69.2	0.79	0.01		
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97					
	WLAN2.4GHz_Ant 3	Back	0.43	5mm	29.8	-31.6	-1.66	61.1	0.54	0.01		
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97					
WLAN2.4GHz_Ant 3	Back	0.43	5mm	29.8	-31.6	-1.66	52.7	0.88	0.02			
WLAN5GHz_Ant 4		0.448	5mm	-22.6	-25.8	-2.02						
Case 48	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
					X	Y	Z					
	FR1 n25_Ant 2	Back	0.702	5mm	-29.9	-33	1.84	14.5	1.10	0.08	Required	0.955
	WLAN2.4GHz_Ant 4		0.396	5mm	-29.4	-19.2	-2.58					
	FR1 n25_Ant 2	Back	0.702	5mm	-29.9	-33	1.84	59.1	1.41	0.03		
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69					
WLAN2.4GHz_Ant 4	Back	0.396	5mm	-29.4	-19.2	-2.58	59.4	1.10	0.02			
WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69						
Case 49	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
					X	Y	Z					
	FR1 n25_Ant 2	Back	0.702	5mm	-29.9	-33	1.84	59.8	1.13	0.02	Required	0.964
	WLAN2.4GHz_Ant 3		0.43	5mm	29.8	-31.6	-1.66					
	FR1 n25_Ant 2	Back	0.702	5mm	-29.9	-33	1.84	11.0	1.15	0.11		
	WLAN5GHz_Ant 4		0.448	5mm	-22.6	-25.8	-2.02					
	FR1 n25_Ant 2	Back	0.702	5mm	-29.9	-33	1.84	19.2	0.82	0.04		
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97					
	WLAN2.4GHz_Ant 3	Back	0.43	5mm	29.8	-31.6	-1.66	61.1	0.54	0.01		
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97					
WLAN2.4GHz_Ant 3	Back	0.43	5mm	29.8	-31.6	-1.66	52.7	0.88	0.02			
WLAN5GHz_Ant 4		0.448	5mm	-22.6	-25.8	-2.02						
Case92	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
					X	Y	Z					
	FR1 n66_Ant 2	Back	0.826	5mm	-30	-37.6	1.85	18.9	1.22	0.07	Required	1.07
	WLAN2.4GHz_Ant 4		0.396	5mm	-29.4	-19.2	-2.58					
	FR1 n66_Ant 2	Back	0.826	5mm	-30	-37.6	1.85	59.6	1.53	0.03		
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69					
WLAN2.4GHz_Ant 4	Back	0.396	5mm	-29.4	-19.2	-2.58	59.4	1.10	0.02			
WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69						



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	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
					X	Y	Z					
Case 93	FR1 n66_Ant 2	Back	0.826	5mm	-30	-37.6	1.85	60.2	1.26	0.02	Required	1.09
	WLAN2.4GHz_Ant 3		0.43	5mm	29.8	-31.6	-1.66					
	FR1 n66_Ant 2	Back	0.826	5mm	-30	-37.6	1.85	14.5	1.27	0.10		
	WLAN5GHz_Ant 4		0.448	5mm	-22.6	-25.8	-2.02					
	FR1 n66_Ant 2	Back	0.826	5mm	-30	-37.6	1.85	23.7	0.94	0.04		
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97					
	WLAN2.4GHz_Ant 3	Back	0.43	5mm	29.8	-31.6	-1.66	61.1	0.54	0.01		
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97					
	WLAN2.4GHz_Ant 3	Back	0.43	5mm	29.8	-31.6	-1.66	52.7	0.88	0.02		
	WLAN5GHz_Ant 4		0.448	5mm	-22.6	-25.8	-2.02					
Case 95	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
	X	Y	Z									
	FR1 n66_Ant 1	Back	0.914	5mm	30	-36.8	-1.58	62.0	1.31	0.02	Required	1.59
	WLAN2.4GHz_Ant 4		0.396	5mm	-29.4	-19.2	-2.58					
	FR1 n66_Ant 1	Back	0.914	5mm	30	-36.8	-1.58	6.9	1.62	0.30		
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69					
	WLAN2.4GHz_Ant 4	Back	0.396	5mm	-29.4	-19.2	-2.58	59.4	1.10	0.02		
WLAN5GHz_Ant 3	0.705		5mm	29	-30	-1.69						
Case 96	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results		
	X	Y	Z									
	FR1 n66_Ant 1	Back	0.914	5mm	30	-36.8	-1.58	5.2	1.34	0.30	Required	1.51
	WLAN2.4GHz_Ant 3		0.43	5mm	29.8	-31.6	-1.66					
	FR1 n66_Ant 1	Back	0.914	5mm	30	-36.8	-1.58	53.7	1.36	0.03		
	WLAN5GHz_Ant 4		0.448	5mm	-22.6	-25.8	-2.02					
	FR1 n66_Ant 1	Back	0.914	5mm	30	-36.8	-1.58	63.0	1.03	0.02		
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97					
	WLAN2.4GHz_Ant 3	Back	0.43	5mm	29.8	-31.6	-1.66	61.1	0.54	0.01		
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97					
WLAN2.4GHz_Ant 3	Back	0.43	5mm	29.8	-31.6	-1.66	52.7	0.88	0.02			
WLAN5GHz_Ant 4		0.448	5mm	-22.6	-25.8	-2.02						
Case 97	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
	X	Y	Z									
	FR1 n66_Ant 1	Back	0.914	5mm	30	-36.8	-1.58	69.3	1.44	0.02	Required	0.982
	WLAN5GHz_Ant 3+4_Cube0		0.528	5mm	-29.2	-0.8	-2.7					
	FR1 n66_Ant 1	Back	0.914	5mm	30	-36.8	-1.58	15.6	1.54	0.12		
	WLAN5GHz_Ant 3+4_Cube1		0.628	5mm	42	-26.8	-2.18					
	FR1 n66_Ant 1	Back	0.914	5mm	30	-36.8	-1.58	63.0	1.0	0.0		
Bluetooth	0.114		5mm	-28.8	-14.2	-1.97						
Case 98	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results		
	X	Y	Z									
	FR1 n66_Ant 1	Back	0.914	5mm	30	-36.8	-1.58	6.9	1.62	0.30	Required	1.59
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69					
	FR1 n66_Ant 1	Back	0.914	5mm	30	-36.8	-1.58	63.0	1.03	0.02		
Bluetooth	0.114		5mm	-28.8	-14.2	-1.97						

Body-worn

	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
					X	Y	Z					
Case 50	CDMA2000 BC0	Back	0.665	5mm	19.3	-60.2	0.87	63.8	1.06	0.02	Required	1.45
	WLAN2.4GHz_Ant 4		0.396	5mm	-29.4	-19.2	-2.58					
	CDMA2000 BC0	Back	0.665	5mm	19.3	-60.2	0.87	31.8	1.37	0.05		
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69					
	WLAN2.4GHz_Ant 4	Back	0.396	5mm	-29.4	-19.2	-2.58	59.4	1.10	0.02		
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69					
Case 51	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
	CDMA2000 BC1	Back	0.721	5mm	25.3	-25.8	-2.43	55.1	1.12	0.02	Required	1.03
	WLAN2.4GHz_Ant 4		0.396	5mm	-29.4	-19.2	-2.58					
	CDMA2000 BC1	Back	0.721	5mm	25.3	-25.8	-2.43	5.6	1.43	0.30		
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69					
	WLAN2.4GHz_Ant 4	Back	0.396	5mm	-29.4	-19.2	-2.58	59.4	1.10	0.02		
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69					
Case 52	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results		
	CDMA2000 BC1	Back	0.721	5mm	25.3	-25.8	-2.43	7.4	1.15	0.17	Required	1.04
	WLAN2.4GHz_Ant 3		0.43	5mm	29.8	-31.6	-1.66					
	CDMA2000 BC1	Back	0.721	5mm	25.3	-25.8	-2.43	47.9	1.17	0.03		
	WLAN5GHz_Ant 4		0.448	5mm	-22.6	-25.8	-2.02					
	CDMA2000 BC1	Back	0.721	5mm	25.3	-25.8	-2.43	55.3	0.84	0.01		
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97					
	WLAN2.4GHz_Ant 3	Back	0.43	5mm	29.8	-31.6	-1.66	61.1	0.54	0.01		
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97					
	WLAN2.4GHz_Ant 3	Back	0.43	5mm	29.8	-31.6	-1.66	52.7	0.88	0.02		
	WLAN5GHz_Ant 4		0.448	5mm	-22.6	-25.8	-2.02					
Case 53	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results		
	CDMA2000 BC10	Back	0.687	5mm	-28.5	-8.13	2.26	12.1	1.08	0.09	Required	1.47
	WLAN2.4GHz_Ant 4		0.396	5mm	-29.4	-19.2	-2.58					
	CDMA2000 BC10	Back	0.687	5mm	-28.5	-8.13	2.26	61.6	1.39	0.03		
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69					
	WLAN2.4GHz_Ant 4	Back	0.396	5mm	-29.4	-19.2	-2.58	59.4	1.10	0.02		
	WLAN5GHz_Ant 3		0.705	5mm	29	-30	-1.69					
Case 54	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results		
	CDMA2000 BC10	Back	0.687	5mm	-28.5	-8.13	2.26	63.0	1.12	0.02	Required	1.28
	WLAN2.4GHz_Ant 3		0.43	5mm	29.8	-31.6	-1.66					
	CDMA2000 BC10	Back	0.687	5mm	-28.5	-8.13	2.26	19.1	1.14	0.06		
	WLAN5GHz_Ant 4		0.448	5mm	-22.6	-25.8	-2.02					
	CDMA2000 BC10	Back	0.687	5mm	-28.5	-8.13	2.26	7.4	0.80	0.10		
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97					
	WLAN2.4GHz_Ant 3	Back	0.43	5mm	29.8	-31.6	-1.66	61.1	0.54	0.01		
	Bluetooth		0.114	5mm	-28.8	-14.2	-1.97					
	WLAN2.4GHz_Ant 3	Back	0.43	5mm	29.8	-31.6	-1.66	52.7	0.88	0.02		
WLAN5GHz_Ant 4	0.448		5mm	-22.6	-25.8	-2.02						



DBS(WLAN2.4G+WLAN5G)

Case 55	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
					X	Y	Z					
	WLAN2.4GHz_Ant 4	Back	0.984	5mm	-29.3	-19.1	-2.57	59.4	2.14	0.05	Required	1.17
	WLAN5GHz_Ant 3		1.16	5mm	29.1	-29.8	-1.68					
Case 56	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
					X	Y	Z					
	WLAN2.4GHz_Ant 3	Back	1.03	5mm	29.7	-31.5	-1.67	52.5	2.21	0.06	Required	1.22
	WLAN5GHz_Ant 4		1.177	5mm	-22.5	-25.7	-2.03					

<Flip open--5mm>

Case 57	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
	WCDMA II	Back	0.842	5mm	27.1	-69.1	-2.42	11.2	1.07	0.10	Required	1.14
	WLAN2.4GHz_Ant3		0.23	5mm	30.8	-58.6	-1.43					
	WCDMA II	Back	0.842	5mm	27.1	-69.1	-2.42	66.9	1.40	0.02		
	WLAN5GH_Ant 4		0.554	5mm	-31.8	-37.4	-1.8					
	WCDMA II	Back	0.842	5mm	27.1	-69.1	-2.42	60.5	0.99	0.02		
	Bluetooth		0.149	5mm	-30	-49	-1.75					
	WLAN2.4GHz_Ant3	Back	0.23	5mm	30.8	-58.6	-1.43	61.6	0.38	0.00		
	Bluetooth		0.149	5mm	-30	-49	-1.75					
	WLAN2.4GHz_Ant3	Back	0.23	5mm	30.8	-58.6	-1.43	66.1	0.78	0.01		
WLAN5GH_Ant 4	0.554		5mm	-31.8	-37.4	-1.8						
Case 58	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
	WCDMA II	Back	0.842	5mm	27.1	-69.1	-2.42	65.9	1.55	0.03	Required	1.21
	WLAN5GHz_Ant 3+4_Cube0		0.711	5mm	-30.8	-37.6	-1.84					
	WCDMA II	Back	0.842	5mm	27.1	-69.1	-2.42	7.8	1.56	0.25		
	WLAN5GHz_Ant 3+4_Cube1		0.722	5mm	26.4	-61.4	-1.4					
	WCDMA II	Back	0.842	5mm	27.1	-69.1	-2.42	60.5	0.99	0.02		
	Bluetooth		0.149	5mm	-30	-49	-1.75					
Case 59	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results		
	WCDMA V	Back	0.932	5mm	28.9	-64.7	-1.83	60.1	1.19	0.02	Required	1.03
	WLAN2.4GHz_Ant4		0.257	5mm	-28.8	-48	-1.78					
	WCDMA V	Back	0.932	5mm	28.9	-64.7	-1.83	4.8	1.37	0.33		
	WLAN5GHz_Ant 3		0.434	5mm	26.4	-60.6	-1.4					
	WLAN2.4GHz_Ant4	Back	0.257	5mm	-28.8	-48	-1.78	56.6	0.69	0.01		
	WLAN5GHz_Ant 3		0.434	5mm	26.4	-60.6	-1.4					
Case 60	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results		
	WCDMA V	Back	0.932	5mm	28.9	-64.7	-1.83	6.4	1.16	0.20	Required	1.15
	WLAN2.4GHz_Ant3		0.23	5mm	30.8	-58.6	-1.43					
	WCDMA V	Back	0.932	5mm	28.9	-64.7	-1.83	66.6	1.49	0.03		
	WLAN5GH_Ant 4		0.554	5mm	-31.8	-37.4	-1.8					
	WCDMA V	Back	0.932	5mm	28.9	-64.7	-1.83	61.0	1.08	0.02		
	Bluetooth		0.149	5mm	-30	-49	-1.75					
	WLAN2.4GHz_Ant3	Back	0.23	5mm	30.8	-58.6	-1.43	66.1	0.78	0.01		
	WLAN5GH_Ant 4		0.554	5mm	-31.8	-37.4	-1.8					
Case 61	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results		
	WCDMA V	Back	0.932	5mm	28.9	-64.7	-1.83	65.6	1.64	0.03	Required	1.33
	WLAN5GHz_Ant 3+4_Cube0		0.711	5mm	-30.8	-37.6	-1.84					
	WCDMA V	Back	0.932	5mm	28.9	-64.7	-1.83	4.2	1.65	0.51		
	WLAN5GHz_Ant 3+4_Cube1		0.722	5mm	26.4	-61.4	-1.4					



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	WCDMA V	Back	0.932	5mm	28.9	-64.7	-1.83	61.0	1.08	0.02		
	Bluetooth		0.149	5mm	-30	-49	-1.75					
Case 62	Band	Position	SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
				(mm)	X	Y	Z					
	CDMA2000 BC0	Back	0.681	5mm	27.4	-71	-1.87	12.9	0.91	0.07	Required	1.05
	WLAN2.4GHz_Ant3		0.23	5mm	30.8	-58.6	-1.43					
	CDMA2000 BC0	Back	0.681	5mm	27.4	-71	-1.87	68.1	1.24	0.02		
	WLAN5GH_Ant 4		0.554	5mm	-31.8	-37.4	-1.8					
	CDMA2000 BC0	Back	0.681	5mm	27.4	-71	-1.87	61.5	0.83	0.01		
	Bluetooth		0.149	5mm	-30	-49	-1.75					
	WLAN2.4GHz_Ant3	Back	0.23	5mm	30.8	-58.6	-1.43	66.1	0.78	0.01		
	WLAN5GH_Ant 4		0.554	5mm	-31.8	-37.4	-1.8					
	WLAN2.4GHz_Ant3	Back	0.23	5mm	30.8	-58.6	-1.43	61.6	0.38	0.00		
Bluetooth	0.149		5mm	-30	-49	-1.75						
Case 63	Band	Position	SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
				(mm)	X	Y	Z					
	LTE Band 25_Ant 1	Back	0.742	5mm	27.3	-64.8	2.29	8.0	0.97	0.12	Required	1.16
	WLAN2.4GHz_Ant3		0.23	5mm	30.8	-58.6	-1.43					
	LTE Band 25_Ant 1	Back	0.742	5mm	27.3	-64.8	2.29	65.3	1.30	0.02		
	WLAN5GH_Ant 4		0.554	5mm	-31.8	-37.4	-1.8					
	LTE Band 25_Ant 1	Back	0.742	5mm	27.3	-64.8	2.29	59.6	0.89	0.01		
	Bluetooth		0.149	5mm	-30	-49	-1.75					
	WLAN2.4GHz_Ant3	Back	0.23	5mm	30.8	-58.6	-1.43	66.1	0.78	0.01		
	WLAN5GH_Ant 4		0.554	5mm	-31.8	-37.4	-1.8					
	WLAN2.4GHz_Ant3	Back	0.23	5mm	30.8	-58.6	-1.43	61.6	0.38	0.00		
Bluetooth	0.149		5mm	-30	-49	-1.75						
Case 64	Band	Position	SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
				(mm)	X	Y	Z					
	LTE Band 25_Ant 1	Back	0.742	5mm	27.3	-64.8	2.29	64.3	1.45	0.03	Required	1.08
	WLAN5GHz_Ant 3+4_Cube0		0.711	5mm	-30.8	-37.6	-1.84					
	LTE Band 25_Ant 1	Back	0.742	5mm	27.3	-64.8	2.29	5.1	1.46	0.35		
	WLAN5GHz_Ant 3+4_Cube1		0.722	5mm	26.4	-61.4	-1.4					
	LTE Band 25_Ant 1	Back	0.742	5mm	27.3	-64.8	2.29	59.6	0.89	0.01		
Bluetooth	0.149		5mm	-30	-49	-1.75						
Case 65	Band	Position	SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
				(mm)	X	Y	Z					
	LTE Band 26_Ant 1	Back	0.914	5mm	15.2	-51.1	-2.53	44.1	1.17	0.03	Required	1.28
	WLAN2.4GHz_Ant4		0.257	5mm	-28.8	-48	-1.78					
	LTE Band 26_Ant 1	Back	0.914	5mm	15.2	-51.1	-2.53	14.7	1.35	0.11		
	WLAN5GHz_Ant 3		0.434	5mm	26.4	-60.6	-1.4					
	WLAN2.4GHz_Ant4	Back	0.257	5mm	-28.8	-48	-1.78	56.6	0.69	0.01		
WLAN5GHz_Ant 3	0.434		5mm	26.4	-60.6	-1.4						
Case 66	Band	Position	SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
				(mm)	X	Y	Z					
	LTE Band 26_Ant 1	Back	0.914	5mm	15.2	-51.1	-2.53	17.3	1.14	0.07	Required	1.31
	WLAN2.4GHz_Ant3		0.23	5mm	30.8	-58.6	-1.43					
	LTE Band 26_Ant 1	Back	0.914	5mm	15.2	-51.1	-2.53	49.0	1.47	0.04		
	WLAN5GH_Ant 4		0.554	5mm	-31.8	-37.4	-1.8					
	LTE Band 26_Ant 1	Back	0.914	5mm	15.2	-51.1	-2.53	45.3	1.06	0.02		
	Bluetooth		0.149	5mm	-30	-49	-1.75					
WLAN2.4GHz_Ant3		0.23	5mm	30.8	-58.6	-1.43	66.1	0.78	0.01			
WLAN5GH_Ant 4		0.554	5mm	-31.8	-37.4	-1.8						

	Band	Position	SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
				(mm)	X	Y	Z					
Case 67	FR1 n66_Ant 1	Back	0.746	5mm	-28.2	-63.5	-1.57	59.2	0.98	0.02	Required	0.93
	WLAN2.4GHz_Ant3		0.23	5mm	30.8	-58.6	-1.43					
	FR1 n66_Ant 1	Back	0.746	5mm	-28.2	-63.5	-1.57	26.3	1.30	0.06		
	WLAN5GH_Ant 4		0.554	5mm	-31.8	-37.4	-1.8					
	FR1 n66_Ant 1	Back	0.746	5mm	-28.2	-63.5	-1.57	14.6	0.90	0.06		
	Bluetooth		0.149	5mm	-30	-49	-1.75					
	WLAN2.4GHz_Ant3	Back	0.23	5mm	30.8	-58.6	-1.43	66.1	0.78	0.01		
	WLAN5GH_Ant 4		0.554	5mm	-31.8	-37.4	-1.8					
	WLAN2.4GHz_Ant3	Back	0.23	5mm	30.8	-58.6	-1.43	61.6	0.38	0.00		
	Bluetooth		0.149	5mm	-30	-49	-1.75					
	Band	Position	SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
				(mm)	X	Y	Z					
Case 68	FR1 n66_Ant 1	Back	0.746	5mm	-28.2	-63.5	-1.57	26.0	1.46	0.07	Required	0.858
	WLAN5GHz_Ant 3+4_Cube0		0.711	5mm	-30.8	-37.6	-1.84					
	FR1 n66_Ant 1	Back	0.746	5mm	-28.2	-63.5	-1.57	54.6	1.47	0.03		
	WLAN5GHz_Ant 3+4_Cube1		0.722	5mm	26.4	-61.4	-1.4					
	FR1 n66_Ant 1	Back	0.746	5mm	-28.2	-63.5	-1.57	14.6	0.90	0.06		
	Bluetooth		0.149	5mm	-30	-49	-1.75					
	Band	Position	SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
				(mm)	X	Y	Z					
Case 69	LTE Band 26_Ant 1	Back	0.914	5mm	15.2	-51.1	-2.53	47.9	1.63	0.04	Required	1.34
	WLAN5GHz_Ant 3+4_Cube0		0.711	5mm	-30.8	-37.6	-1.84					
	LTE Band 26_Ant 1	Back	0.914	5mm	15.2	-51.1	-2.53	15.3	1.64	0.14		
	WLAN5GHz_Ant 3+4_Cube1		0.722	5mm	26.4	-61.4	-1.4					
	LTE Band 26_Ant 1	Back	0.914	5mm	15.2	-51.1	-2.53	45.3	1.06	0.02		
	Bluetooth		0.149	5mm	-30	-49	-1.75					
	Band	Position	SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
				(mm)	X	Y	Z					
Case 78	LTE Band 66_Ant 1	Back	0.67	5mm	-28.4	-63.1	-1.54	59.4	0.90	0.01	Required	0.905
	WLAN2.4GHz_Ant3		0.23	5mm	30.8	-58.6	-1.43					
	LTE Band 66_Ant 1	Back	0.67	5mm	-28.4	-63.1	-1.54	25.9	1.22	0.05		
	WLAN5GH_Ant 4		0.554	5mm	-31.8	-37.4	-1.8					
	LTE Band 66_Ant 1	Back	0.67	5mm	-28.4	-63.1	-1.54	14.2	0.82	0.05		
	Bluetooth		0.149	5mm	-30	-49	-1.75					
	WLAN2.4GHz_Ant3	Back	0.23	5mm	30.8	-58.6	-1.43	66.1	0.78	0.01		
	WLAN5GH_Ant 4		0.554	5mm	-31.8	-37.4	-1.8					
	WLAN2.4GHz_Ant3	Back	0.23	5mm	30.8	-58.6	-1.43	61.6	0.38	0.00		
	Bluetooth		0.149	5mm	-30	-49	-1.75					

<Flip open--0mm>

Case 70	Band	Position	SAR (W/kg)	Gap	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
				(mm)	X	Y	Z					
	WCDMA II	Back	2.029	0mm	25.7	-75.5	2.45	8.5	4.83	1.24	Required	2.97
	WLAN5GHz_Ant 3		2.797	0mm	27	-68	-1.39					
Case 71	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
	WCDMA II	Back	2.029	0mm	25.7	-75.5	2.45	17.6	4.15	0.48	Required	3.24
	WLAN5GHz_Ant 3+4_Cube0		2.12	0mm	29.8	-59	-1.98					
	WCDMA II	Back	2.029	0mm	25.7	-75.5	2.45	65.0	4.86	0.16		
	WLAN5GHz_Ant 3+4-Cube1		2.834	0mm	-26.2	-36.6	-2.37					
Case 72	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results		
	CDMA2000 BC1	Back	2.707	0mm	-30	-73	2.32	28.2	4.10	0.29	Required	2.94
	WLAN2.4GHz_Ant 3+4		1.388	0mm	-28.8	-45.4	-3.3					
Case 73	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
	CDMA2000 BC1	Back	2.707	0mm	-30	-73	2.32	36.5	4.52	0.26	Required	2.95
	WLAN5GHz_Ant 4		1.814	0mm	-28.2	-36.8	-1.78					
Case 74	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
	CDMA2000 BC1	Back	2.707	0mm	-30	-73	2.32	57.3	5.50	0.23	Required	3.11
	WLAN5GHz_Ant 3		2.797	0mm	27	-68	-1.39					
Case 75	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
	CDMA2000 BC1	Back	2.707	0mm	-30	-73	2.32	61.6	4.83	0.17	Required	3.01
	WLAN5GHz_Ant 3+4_Cube0		2.12	0mm	29.8	-59	-1.98					
	CDMA2000 BC1	Back	2.707	0mm	-30	-73	2.32	36.9	5.54	0.35		
	WLAN5GHz_Ant 3+4-Cube1		2.834	0mm	-26.2	-36.6	-2.37					
Case 76	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results		
	LTE Band 25_Ant 1	Back	1.951	0mm	27.3	-64.8	2.29	4.9	4.75	2.12	Required	2.92
	WLAN5GHz_Ant 3		2.797	0mm	27	-68	-1.39					
Case 77	Band	Position	SAR (W/kg)	Gap (mm)	SAR peak location (mm)			3D distance (mm)	Summed SAR (W/kg)	SPLSR Results	Simultaneous SAR	Multi Band SAR
	LTE Band 25_Ant 1	Back	1.951	0mm	27.3	-64.8	2.29	7.6	4.07	1.08	Required	2.91
	WLAN5GHz_Ant 3+4_Cube0		2.12	0mm	29.8	-59	-1.98					
	LTE Band 25_Ant 1	Back	1.951	0mm	27.3	-64.8	2.29	60.7	4.79	0.17		
	WLAN5GHz_Ant 3+4-Cube1		2.834	0mm	-26.2	-36.6	-2.37					

18. Supplemental Tuner Tests Results

General Note:

1. The following test procedure was followed to demonstrate that the SAR results in this report represent the appropriate SAR test conditions. For bands with dynamic tuning implemented, SAR will be measured according to the required FCC SAR test procedures with the dynamic tuner active to allow the device to automatically tune to the antenna state for the respective RF exposure test configurations. Additional single point SAR time-sweep measurements will be evaluated for other tuner states to determine that the other tuner configurations would result in equivalent or lower SAR values. The additional tuner hardware has no influence to the antenna characteristics, other than impedance matching.
2. To evaluate all of the tuner states, the 144 tuner states are divided evenly among bands (except for LTE 48 and 5GNR n2/n5/n25/n66/n71/n41), mode and exposure combinations so that at least one single point SAR measurement is measured in each configuration. Single point time-sweep measurements will be performed at the peak SAR location determined by the zoom scan of the configuration with the highest reported SAR for each combination. The tuner state will be established remotely so that the device is not moved for the entire series of single point SAR for the tuner states in each combination. The SAR probe will remain stationary at the same position throughout the entire series of single point measurements for each combination.
3. This device supports LTE B2 / B4 / B5 / B17 / B38 and B25 / B66 / B26 / B12 / B41. Since the supported frequency span for LTE B2 / B4 / B5 / B17 / B38 falls completely within the supports frequency span for LTE B25 / B66 / B26 / B12 / B41, both LTE bands have the same target power, and both LTE bands share the same transmission path; therefore, chose B25 / B66 / B26 / B12 / B41 for dynamic antenna analysis.
4. According to workshop 2019, if any single point SAR measurement result is $> 1.2 \text{ W/kg}$ for a band/exposure condition combination set, all supported tuner states are evaluated with single point SAR measurements for the combination. So we verified the single point SAR that bands with SAR value high than 1.2 W/Kg .
5. The operational decryption contains more information about the design and implementation of the dynamic antenna tuning.

18.1 Supplemental Tuner Head & Body SAR Results

Please refer to Appendix F.

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19. 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.

20. 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.

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