8.1.18CONDUCTED POWER MEASUREMENTS OF LTE BAND 7(ADDITIONAL POWER)

(Modem1+Modem2)/(Modem1+WiFi station)/(Modem1+Modem2+WiFi station)/ (Modem1+Hotspot on)/(Modem1+Modem2+ Hotspot on)

FDD LTE B7(Top Ant)					Conducted Power(dBm)		
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					20775	21100	21425
					2502.5	2535	2567.5
5MHz	QPSK	1	0	**15.00**	13.15	13.13	13.25
		1	12	**15.00**	13.59	13.30	13.30
		1	24	**15.00**	13.22	13.55	13.21
		12	0	**14.00**	12.13	12.52	12.76
		12	6	**14.00**	12.14	12.60	12.70
		12	13	**14.00**	12.09	12.42	12.66
		25	0	**14.00**	12.02	12.38	12.72
	16QAM	1	0	**14.00**	12.61	12.02	12.19
		1	12	**14.00**	12.27	12.23	12.24
		1	24	**14.00**	12.64	12.56	12.55
		12	0	**13.00**	11.24	11.61	11.36
		12	6	**13.00**	11.38	11.64	11.28
		12	13	**13.00**	11.26	11.54	11.20
		25	0	**13.00**	11.13	11.45	11.18
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					20800	21100	21400
					2505	2535	2565
10MHz	QPSK	1	0	**15.00**	13.33	13.19	13.02
		1	24	**15.00**	13.53	13.14	13.41
		1	49	**15.00**	13.32	13.26	13.26
		25	0	**14.00**	12.13	12.40	12.38
		25	12	**14.00**	12.19	12.48	12.71
		25	25	**14.00**	12.10	12.42	12.67
		50	0	**14.00**	12.10	12.35	12.71
	16QAM	1	0	**14.00**	12.51	12.19	12.30
		1	24	**14.00**	12.03	12.45	12.24
		1	49	**14.00**	12.67	12.17	12.46
		25	0	**13.00**	11.17	11.62	12.35
		25	12	**13.00**	11.40	11.57	12.20
		25	25	**13.00**	11.26	11.58	12.15
		50	0	**13.00**	11.20	11.45	12.15

Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					20825	21100	21375
					2507.5	2535	2562.5
15MHz	QPSK	1	0	**15.00**	13.03	13.43	13.38
		1	37	**15.00**	13.37	13.57	13.40
		1	74	**15.00**	13.55	13.06	13.06
		36	0	**14.00**	12.18	12.33	12.28
		36	19	**14.00**	12.30	12.47	12.45
		36	39	**14.00**	12.17	12.41	12.28
		75	0	**14.00**	12.10	12.32	12.64
	16QAM	1	0	**14.00**	12.53	12.81	12.25
		1	37	**14.00**	12.13	12.49	12.41
		1	74	**14.00**	12.60	12.08	12.43
		36	0	**13.00**	11.30	11.49	11.44
		36	19	**13.00**	11.45	11.65	11.57
		36	39	**13.00**	11.27	11.44	11.80
		75	0	**13.00**	11.38	11.50	11.34
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					20850	21100	21350
					2510	2535	2560
20MHz	QPSK	1	0	**15.00**	13.52	13.66	13.11
		1	50	**15.00**	13.46	13.58	13.64
		1	99	**15.00**	13.03	13.38	13.28
		50	0	**14.00**	12.62	12.69	12.51
		50	25	**14.00**	12.69	12.67	12.54
		50	50	**14.00**	12.18	12.48	12.36
		100	0	**14.00**	12.14	12.28	12.28
	16QAM	1	0	**14.00**	12.39	12.52	12.77
		1	50	**14.00**	12.75	12.46	12.43
		1	99	**14.00**	12.20	12.70	12.32
		50	0	**13.00**	11.49	11.43	11.28
		50	25	**13.00**	11.51	11.53	11.71
		50	50	**13.00**	11.32	11.51	11.42
		100	0	**13.00**	11.24	11.46	11.50

8.1.19CONDUCTED POWER MEASUREMENTS OF LTE BAND 12(FULL POWER)

FDD LTE B12(Top Ant)					Conducted Power(dBm)		
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					23017	23095	23173
					699.7	707.5	715.3
1.4MHz	QPSK	1	0	**24.30**	22.88	23.05	23.13
		1	2	**24.30**	22.97	23.13	22.95
		1	5	**24.30**	23.09	23.04	23.02
		3	0	**24.30**	22.36	22.38	22.31
		3	1	**24.30**	22.33	22.39	22.44
		3	3	**24.30**	22.33	22.42	22.33
		6	0	**23.30**	22.10	22.25	22.24
	16QAM	1	0	**23.30**	22.00	22.45	22.57
		1	2	**23.30**	22.13	22.52	22.22
		1	5	**23.30**	22.19	22.41	22.28
		3	0	**23.30**	21.44	21.66	21.32
		3	1	**23.30**	21.49	21.69	21.33
		3	3	**23.30**	21.55	21.72	21.52
		6	0	**22.30**	21.05	21.34	21.55
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					23025	23095	23165
					700.5	707.5	714.5
3MHz	QPSK	1	0	**24.30**	23.37	22.93	23.34
		1	7	**24.30**	23.22	23.23	23.24
		1	14	**24.30**	23.06	22.99	23.04
		8	0	**23.30**	22.09	22.15	22.17
		8	3	**23.30**	22.22	22.23	22.19
		8	7	**23.30**	22.00	22.15	22.16
		15	0	**23.30**	21.94	22.13	22.06
	16QAM	1	0	**23.30**	21.93	22.40	22.37
		1	7	**23.30**	22.38	22.68	22.37
		1	14	**23.30**	22.16	22.38	22.10
		8	0	**22.30**	21.08	21.26	21.26
		8	3	**22.30**	21.21	21.30	21.25
		8	7	**22.30**	21.09	21.22	21.13
		15	0	**22.30**	20.95	21.21	21.19

Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					23035	23095	23155
					701.5	707.5	713.5
5MHz	QPSK	1	0	**24.30**	23.33	23.30	23.11
		1	12	**24.30**	23.28	23.11	23.33
		1	24	**24.30**	23.13	23.31	23.37
		12	0	**23.30**	22.03	22.12	22.32
		12	6	**23.30**	22.22	22.21	22.33
		12	13	**23.30**	22.12	22.28	22.14
		25	0	**23.30**	22.03	22.19	22.17
	16QAM	1	0	**23.30**	21.99	22.37	22.54
		1	12	**23.30**	22.52	22.65	22.69
		1	24	**23.30**	22.52	22.82	22.80
		12	0	**22.30**	20.99	21.24	21.47
		12	6	**22.30**	21.23	21.32	21.33
		12	13	**22.30**	21.17	21.38	21.77
		25	0	**22.30**	21.01	21.24	21.19
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					23060	23095	23130
					704	707.5	711
10MHz	QPSK	1	0	**24.30**	23.41	23.48	23.46
		1	24	**24.30**	23.47	23.50	23.48
		1	49	**24.30**	22.95	23.20	23.25
		25	0	**23.30**	22.44	22.51	22.43
		25	12	**23.30**	22.46	22.53	22.47
		25	25	**23.30**	21.92	22.06	21.89
		50	0	**23.30**	22.00	21.99	22.36
	16QAM	1	0	**23.30**	21.77	22.13	21.89
		1	24	**23.30**	22.51	22.74	22.54
		1	49	**23.30**	22.16	22.63	22.59
		25	0	**22.30**	20.94	21.11	21.28
		25	12	**22.30**	21.05	21.29	21.33
		25	25	**22.30**	20.96	21.11	20.92
		50	0	**22.30**	21.00	20.98	21.35

FDD LTE B12(Bottom Ant)					Conducted Power(dBm)		
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					23017	23095	23173
					699.7	707.5	715.3
1.4MHz	QPSK	1	0	**24.30**	23.03	23.20	23.28
		1	2	**24.30**	23.12	23.28	23.10
		1	5	**24.30**	23.24	23.19	23.17
		3	0	**24.30**	22.31	22.53	22.46
		3	1	**24.30**	22.38	22.54	22.59
		3	3	**24.30**	22.48	22.57	22.38
		6	0	**23.30**	22.25	22.40	22.39
	16QAM	1	0	**23.30**	22.15	22.60	22.72
		1	2	**23.30**	22.28	22.67	22.37
		1	5	**23.30**	22.34	22.56	22.43
		3	0	**23.30**	21.59	21.81	21.37
		3	1	**23.30**	21.64	21.84	21.31
		3	3	**23.30**	21.70	21.87	21.67
		6	0	**22.30**	21.20	21.49	21.70
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					23025	23095	23165
					700.5	707.5	714.5
3MHz	QPSK	1	0	**24.30**	23.52	23.08	23.49
		1	7	**24.30**	23.37	23.38	23.39
		1	14	**24.30**	23.21	23.14	23.19
		8	0	**23.30**	22.24	22.30	22.32
		8	3	**23.30**	22.37	22.38	22.34
		8	7	**23.30**	22.15	22.30	22.31
		15	0	**23.30**	22.09	22.28	22.21
	16QAM	1	0	**23.30**	22.08	22.55	22.52
		1	7	**23.30**	22.53	22.83	22.52
		1	14	**23.30**	22.31	22.53	22.25
		8	0	**22.30**	21.23	21.41	21.41
		8	3	**22.30**	21.36	21.45	21.40
		8	7	**22.30**	21.24	21.37	21.28
		15	0	**22.30**	21.10	21.36	21.34

Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					23035	23095	23155
					701.5	707.5	713.5
5MHz	QPSK	1	0	**24.30**	23.48	23.45	23.26
		1	12	**24.30**	23.43	23.26	23.48
		1	24	**24.30**	23.28	23.46	23.52
		12	0	**23.30**	22.18	22.27	22.47
		12	6	**23.30**	22.37	22.36	22.48
		12	13	**23.30**	22.27	22.43	22.29
		25	0	**23.30**	22.18	22.34	22.32
	16QAM	1	0	**23.30**	22.14	22.52	22.69
		1	12	**23.30**	22.67	22.80	22.84
		1	24	**23.30**	22.67	22.97	22.95
		12	0	**22.30**	21.14	21.39	21.62
		12	6	**22.30**	21.38	21.47	21.48
		12	13	**22.30**	21.32	21.53	21.92
		25	0	**22.30**	21.16	21.39	21.34
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					23060	23095	23130
					704	707.5	711
10MHz	QPSK	1	0	**24.30**	23.26	23.40	23.32
		1	24	**24.30**	23.52	23.60	23.53
		1	49	**24.30**	23.10	23.35	23.40
		25	0	**23.30**	22.09	22.21	22.33
		25	12	**23.30**	22.52	22.63	22.50
		25	25	**23.30**	22.07	22.21	22.04
		50	0	**23.30**	22.15	22.14	22.51
	16QAM	1	0	**23.30**	21.92	22.28	22.04
		1	24	**23.30**	22.66	22.89	22.69
		1	49	**23.30**	22.31	22.78	22.74
		25	0	**22.30**	21.09	21.26	21.43
		25	12	**22.30**	21.20	21.44	21.48
		25	25	**22.30**	21.11	21.26	21.07
		50	0	**22.30**	21.15	21.13	21.50

8.1.20CONDUCTED POWER MEASUREMENTS OF LTE BAND 12(ADDITIONAL POWER)

(Modem1+Modem2)/(Modem1+WiFi station)/ (Modem1+Hotspot on)

FDD LTE B12(Top Ant)					Conducted Power(dBm)		
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					23017	23095	23173
					699.7	707.5	715.3
1.4MHz	QPSK	1	0	**22.80**	21.38	21.55	21.63
		1	2	**22.80**	21.47	21.63	21.45
		1	5	**22.80**	21.59	21.54	21.52
		3	0	**22.80**	20.86	20.88	20.81
		3	1	**22.80**	20.83	20.89	20.94
		3	3	**22.80**	20.83	20.92	20.83
		6	0	**21.80**	20.60	20.75	20.74
	16QAM	1	0	**21.80**	20.50	20.95	21.07
		1	2	**21.80**	20.63	21.02	20.72
		1	5	**21.80**	20.69	20.91	20.78
		3	0	**21.80**	19.94	20.16	19.82
		3	1	**21.80**	19.99	20.19	19.81
		3	3	**21.80**	20.05	20.22	20.02
		6	0	**20.80**	19.55	19.84	20.05
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					23025	23095	23165
					700.5	707.5	714.5
3MHz	QPSK	1	0	**22.80**	21.87	21.43	21.84
		1	7	**22.80**	21.72	21.73	21.74
		1	14	**22.80**	21.56	21.49	21.54
		8	0	**21.80**	20.59	20.65	20.67
		8	3	**21.80**	20.72	20.73	20.69
		8	7	**21.80**	20.50	20.65	20.66
		15	0	**21.80**	20.44	20.63	20.56
	16QAM	1	0	**21.80**	20.43	20.90	20.87
		1	7	**21.80**	20.88	21.18	20.87
		1	14	**21.80**	20.66	20.88	20.60
		8	0	**20.80**	19.58	19.76	19.76
		8	3	**20.80**	19.71	19.80	19.75
		8	7	**20.80**	19.59	19.72	19.63
		15	0	**20.80**	19.45	19.71	19.69

Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					23035	23095	23155
					701.5	707.5	713.5
5MHz	QPSK	1	0	**22.80**	21.83	21.80	21.61
		1	12	**22.80**	21.78	21.61	21.83
		1	24	**22.80**	21.63	21.81	21.87
		12	0	**21.80**	20.53	20.62	20.82
		12	6	**21.80**	20.72	20.71	20.83
		12	13	**21.80**	20.62	20.78	20.64
		25	0	**21.80**	20.53	20.69	20.67
	16QAM	1	0	**21.80**	20.49	20.87	21.04
		1	12	**21.80**	21.02	21.15	21.19
		1	24	**21.80**	21.02	21.32	21.30
		12	0	**20.80**	19.49	19.74	19.97
		12	6	**20.80**	19.73	19.82	19.83
		12	13	**20.80**	19.67	19.88	20.27
		25	0	**20.80**	19.51	19.74	19.69
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					23060	23095	23130
					704	707.5	711
10MHz	QPSK	1	0	**22.80**	21.91	21.98	21.96
		1	24	**22.80**	21.97	22.00	21.98
		1	49	**22.80**	21.45	21.70	21.75
		25	0	**21.80**	20.94	21.01	20.93
		25	12	**21.80**	20.96	21.03	20.97
		25	25	**21.80**	20.42	20.56	20.39
		50	0	**21.80**	20.50	20.49	20.86
	16QAM	1	0	**21.80**	20.27	20.63	20.39
		1	24	**21.80**	21.01	21.24	21.04
		1	49	**21.80**	20.66	21.13	21.09
		25	0	**20.80**	19.44	19.61	19.78
		25	12	**20.80**	19.55	19.79	19.83
		25	25	**20.80**	19.46	19.61	19.42
		50	0	**20.80**	19.50	19.48	19.85

(Modem1+Modem2+WiFi station)/ (Modem1+Modem2+ Hotspot on)

FDD LTE B12(Top Ant)					Conducted Power(dBm)		
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					23017	23095	23173
					699.7	707.5	715.3
1.4MHz	QPSK	1	0	**20.80**	19.55	19.68	19.75
		1	2	**20.80**	19.65	19.76	19.61
		1	5	**20.80**	19.73	19.70	19.66
		3	0	**20.80**	18.85	19.05	18.94
		3	1	**20.80**	18.87	19.08	19.07
		3	3	**20.80**	19.00	19.06	18.85
		6	0	**19.80**	18.73	18.89	18.90
	16QAM	1	0	**19.80**	18.69	19.08	19.23
		1	2	**19.80**	18.78	19.15	18.86
		1	5	**19.80**	18.85	19.04	18.92
		3	0	**19.80**	18.08	18.32	17.92
		3	1	**19.80**	18.16	18.32	17.91
		3	3	**19.80**	18.18	18.39	18.19
		6	0	**18.80**	17.69	17.96	18.21
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					23025	23095	23165
					700.5	707.5	714.5
3MHz	QPSK	1	0	**20.80**	20.05	19.56	20.00
		1	7	**20.80**	19.86	19.89	19.88
		1	14	**20.80**	19.75	19.66	19.67
		8	0	**19.80**	18.73	18.84	18.80
		8	3	**19.80**	18.89	18.87	18.81
		8	7	**19.80**	18.63	18.79	18.82
		15	0	**19.80**	18.63	18.76	18.72
	16QAM	1	0	**19.80**	18.58	19.03	19.01
		1	7	**19.80**	19.04	19.31	19.01
		1	14	**19.80**	18.80	19.04	18.80
		8	0	**18.80**	17.75	17.89	17.88
		8	3	**18.80**	17.84	17.97	17.92
		8	7	**18.80**	17.73	17.84	17.79
		15	0	**18.80**	17.57	17.89	17.59

Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					23035	23095	23155
					701.5	707.5	713.5
5MHz	QPSK	1	0	**20.80**	19.96	19.94	19.77
		1	12	**20.80**	19.92	19.80	20.00
		1	24	**20.80**	19.76	19.95	20.06
		12	0	**19.80**	18.66	18.79	18.96
		12	6	**19.80**	18.91	18.84	18.97
		12	13	**19.80**	18.75	18.97	18.77
		25	0	**19.80**	18.72	18.84	18.80
	16QAM	1	0	**19.80**	18.66	19.03	19.17
		1	12	**19.80**	19.19	19.29	19.35
		1	24	**19.80**	19.08	19.49	19.43
		12	0	**18.80**	17.65	17.87	18.14
		12	6	**18.80**	17.87	17.96	17.95
		12	13	**18.80**	17.80	18.00	18.45
		25	0	**18.80**	17.63	17.83	17.83
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					23060	23095	23130
					704	707.5	711
10MHz	QPSK	1	0	**20.80**	19.77	19.89	19.84
		1	24	**20.80**	20.01	20.09	20.01
		1	49	**20.80**	19.58	19.86	19.91
		25	0	**19.80**	18.57	18.70	18.80
		25	12	**19.80**	18.99	19.17	18.98
		25	25	**19.80**	18.58	18.70	18.58
		50	0	**19.80**	18.66	18.68	19.00
	16QAM	1	0	**19.80**	18.41	18.82	18.58
		1	24	**19.80**	19.15	19.38	19.11
		1	49	**19.80**	18.86	19.25	19.23
		25	0	**18.80**	17.56	17.75	17.90
		25	12	**18.80**	17.72	17.86	17.92
		25	25	**18.80**	17.62	17.84	17.56
		50	0	**18.80**	17.67	17.64	18.04

8.1.21CONDUCTED POWER MEASUREMENTS OF LTE BAND 17(FULL POWER)

FDD LTE B17(Top Ant)					Conducted Power(dBm)		
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					23755	23790	23825
					706.5	710	713.5
5MHz	QPSK	1	0	**24.00**	22.32	23.32	23.06
		1	12	**24.00**	23.03	23.43	23.33
		1	24	**24.00**	23.13	23.27	22.25
		12	0	**23.00**	22.05	22.33	22.39
		12	6	**23.00**	22.07	22.63	22.41
		12	13	**23.00**	22.07	22.44	22.43
		25	0	**23.00**	22.10	22.50	22.14
	16QAM	1	0	**23.00**	21.87	22.28	22.36
		1	12	**23.00**	22.25	22.82	22.61
		1	24	**23.00**	21.33	21.48	21.66
		12	0	**22.00**	21.20	21.39	21.38
		12	6	**22.00**	21.26	21.68	21.47
		12	13	**22.00**	21.25	21.47	21.31
		25	0	**22.00**	21.24	21.49	21.17
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					23780	23790	23800
					709	710	711
10MHz	QPSK	1	0	**24.00**	23.43	23.48	23.42
		1	24	**24.00**	23.47	23.49	23.46
		1	49	**24.00**	23.30	23.42	22.32
		25	0	**23.00**	22.01	22.04	22.17
		25	12	**23.00**	22.70	22.72	22.76
		25	25	**23.00**	22.11	22.16	22.11
		50	0	**23.00**	22.15	22.39	22.56
	16QAM	1	0	**23.00**	21.73	21.88	21.92
		1	24	**23.00**	22.60	22.88	22.55
		1	49	**23.00**	22.18	22.22	22.31
		25	0	**22.00**	21.10	21.12	21.26
		25	12	**22.00**	21.33	21.58	21.54
		25	25	**22.00**	21.11	21.17	21.07
		50	0	**22.00**	21.15	21.41	21.58

FDD LTE B17(Bottom Ant)					Conducted Power(dBm)		
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					23755	23790	23825
					706.5	710	713.5
5MHz	QPSK	1	0	**24.00**	22.40	23.40	23.14
		1	12	**24.00**	23.11	23.51	23.41
		1	24	**24.00**	23.21	23.35	22.33
		12	0	**23.00**	22.13	22.41	22.47
		12	6	**23.00**	22.15	22.71	22.49
		12	13	**23.00**	22.15	22.52	22.51
		25	0	**23.00**	22.18	22.58	22.22
	16QAM	1	0	**23.00**	21.95	22.36	22.44
		1	12	**23.00**	22.33	22.90	22.69
		1	24	**23.00**	21.41	21.56	21.74
		12	0	**22.00**	21.28	21.47	21.46
		12	6	**22.00**	21.34	21.76	21.55
		12	13	**22.00**	21.33	21.55	21.39
		25	0	**22.00**	21.32	21.57	21.25
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					23780	23790	23800
					709	710	711
10MHz	QPSK	1	0	**24.00**	22.52	23.52	23.35
		1	24	**24.00**	23.55	23.57	23.54
		1	49	**24.00**	23.38	23.50	22.40
		25	0	**23.00**	22.09	22.12	22.25
		25	12	**23.00**	22.38	22.63	22.79
		25	25	**23.00**	22.19	22.24	22.19
		50	0	**23.00**	22.23	22.47	22.64
	16QAM	1	0	**23.00**	21.81	21.96	22.00
		1	24	**23.00**	22.68	22.96	22.63
		1	49	**23.00**	22.26	22.30	22.39
		25	0	**22.00**	21.18	21.20	21.34
		25	12	**22.00**	21.41	21.66	21.62
		25	25	**22.00**	21.19	21.25	21.15
		50	0	**22.00**	21.23	21.49	21.66

8.1.22CONDUCTED POWER MEASUREMENTS OF LTE BAND 17(ADDITIONAL POWER)

(Modem1+Modem2)/(Modem1+WiFi station)/(Modem1+Modem2+WiFi station)/ (Modem1+Hotspot on)/(Modem1+Modem2+ Hotspot on)

FDD LTE B17(Top Ant)					Conducted Power(dBm)		
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					23755	23790	23825
					706.5	710	713.5
5MHz	QPSK	1	0	**23.00**	21.32	22.32	22.06
		1	12	**23.00**	22.03	22.43	22.33
		1	24	**23.00**	22.13	22.27	21.25
		12	0	**22.00**	21.05	21.33	21.39
		12	6	**22.00**	21.07	21.63	21.41
		12	13	**22.00**	21.07	21.44	21.43
		25	0	**22.00**	21.10	21.50	21.14
	16QAM	1	0	**22.00**	20.87	21.28	21.36
		1	12	**22.00**	21.25	21.82	21.61
		1	24	**22.00**	20.33	20.48	20.66
		12	0	**21.00**	20.20	20.39	20.38
		12	6	**21.00**	20.26	20.68	20.47
		12	13	**21.00**	20.25	20.47	20.31
		25	0	**21.00**	20.24	20.49	20.17
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					23780	23790	23800
					709	710	711
10MHz	QPSK	1	0	**23.00**	22.43	22.48	22.42
		1	24	**23.00**	22.47	22.49	22.46
		1	49	**23.00**	22.30	22.42	21.32
		25	0	**22.00**	21.01	21.04	21.17
		25	12	**22.00**	21.70	21.72	21.76
		25	25	**22.00**	21.11	21.16	21.11
		50	0	**22.00**	21.15	21.39	21.56
	16QAM	1	0	**22.00**	20.73	20.88	20.92
		1	24	**22.00**	21.60	21.88	21.55
		1	49	**22.00**	21.18	21.22	21.31
		25	0	**21.00**	20.10	20.12	20.26
		25	12	**21.00**	20.33	20.58	20.54
		25	25	**21.00**	20.11	20.17	20.07
		50	0	**21.00**	20.15	20.41	20.58

8.1.23CONDUCTED POWER MEASUREMENTS OF LTE BAND 26(FULL POWER)

FDD LTE B26(Top Ant)					Conducted Power(dBm)		
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					26697	26865	27033
					814.7	831	848.3
1.4MHz	QPSK	1	0	**23.50**	22.54	22.23	22.47
		1	2	**23.50**	22.50	22.34	22.83
		1	5	**23.50**	22.76	22.59	22.70
		3	0	**23.00**	21.22	21.15	21.72
		3	1	**23.00**	21.47	21.19	21.74
		3	3	**23.00**	21.85	21.19	21.69
		6	0	**23.00**	21.91	21.70	21.61
	16QAM	1	0	**23.00**	22.02	22.27	22.01
		1	2	**23.00**	22.06	22.34	21.99
		1	5	**23.00**	21.84	22.23	21.85
		3	0	**23.00**	21.39	21.53	21.83
		3	1	**23.00**	21.37	21.57	21.78
		3	3	**23.00**	21.33	21.58	21.77
		6	0	**22.00**	20.99	20.98	20.73
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					26705	26865	27025
					815.5	831	847.5
3MHz	QPSK	1	0	**23.50**	22.79	22.82	22.00
		1	7	**23.50**	22.76	22.17	22.03
		1	14	**23.50**	22.53	22.82	22.51
		8	0	**23.00**	21.78	21.32	21.43
		8	3	**23.00**	21.75	21.68	21.31
		8	7	**23.00**	21.68	21.88	21.62
		15	0	**23.00**	21.71	21.66	21.83
	16QAM	1	0	**23.00**	22.08	21.96	22.01
		1	7	**23.00**	22.16	22.32	22.14
		1	14	**23.00**	21.88	21.86	21.61
		8	0	**22.00**	21.22	21.24	21.23
		8	3	**22.00**	21.15	21.17	21.21
		8	7	**22.00**	21.07	21.24	21.01
		15	0	**22.00**	21.08	21.25	21.17

Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					26715	26865	27015
					816.5	831	846.5
5MHz	QPSK	1	0	**23.50**	22.32	22.66	22.37
		1	12	**23.50**	22.34	22.25	22.11
		1	24	**23.50**	22.58	22.74	22.27
		12	0	**23.00**	21.75	21.84	21.85
		12	6	**23.00**	21.86	21.07	21.73
		12	13	**23.00**	21.87	21.12	21.86
		25	0	**23.00**	21.83	21.10	21.69
	16QAM	1	0	**23.00**	22.05	22.06	21.94
		1	12	**23.00**	22.21	22.43	22.29
		1	24	**23.00**	21.87	21.96	21.50
		12	0	**22.00**	21.21	21.21	21.25
		12	6	**22.00**	21.16	21.05	21.32
		12	13	**22.00**	21.25	21.27	21.23
		25	0	**22.00**	20.85	21.07	20.60
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					26740	26865	26990
					819	831	844
10MHz	QPSK	1	0	**23.50**	22.49	22.68	22.13
		1	24	**23.50**	22.22	22.26	22.17
		1	49	**23.50**	22.61	22.63	22.43
		25	0	**23.00**	21.75	21.78	21.53
		25	12	**23.00**	21.64	21.73	21.39
		25	25	**23.00**	21.73	21.82	21.56
		50	0	**23.00**	21.80	21.78	21.78
	16QAM	1	0	**23.00**	21.72	21.72	22.07
		1	24	**23.00**	22.35	22.41	22.12
		1	49	**23.00**	21.67	21.87	21.13
		25	0	**22.00**	21.23	21.19	21.35
		25	12	**22.00**	21.12	21.01	21.34
		25	25	**22.00**	21.19	21.26	21.01
		50	0	**22.00**	20.73	20.58	20.67

Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					26765	26865	26965
					821.5	831	841.5
15MHz	QPSK	1	0	**23.50**	22.83	22.85	22.82
		1	37	**23.50**	22.73	22.78	22.76
		1	74	**23.50**	22.16	22.27	22.59
		36	0	**23.00**	21.86	21.79	21.83
		36	19	**23.00**	21.04	21.13	21.16
		36	39	**23.00**	21.59	21.68	21.51
		75	0	**23.00**	21.81	21.73	21.88
	16QAM	1	0	**23.00**	21.47	21.86	21.77
		1	37	**23.00**	21.52	21.56	21.48
		1	74	**23.00**	21.29	21.53	21.82
		36	0	**22.00**	21.82	21.53	21.85
		36	19	**22.00**	21.28	21.27	21.00
		36	39	**22.00**	21.48	21.62	21.41
		75	0	**22.00**	20.71	20.57	20.69

FDD LTE B26(Bottom Ant)					Conducted Power(dBm)		
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					26697	26865	27033
					814.7	831	848.3
1.4MHz	QPSK	1	0	**23.50**	22.61	22.30	22.54
		1	2	**23.50**	22.57	22.41	22.90
		1	5	**23.50**	22.83	22.66	22.77
		3	0	**23.00**	21.29	21.22	21.79
		3	1	**23.00**	21.54	21.26	21.81
		3	3	**23.00**	21.92	21.26	21.76
		6	0	**23.00**	21.98	21.77	21.68
	16QAM	1	0	**23.00**	22.09	22.34	22.08
		1	2	**23.00**	22.13	22.41	22.06
		1	5	**23.00**	21.91	22.30	21.92
		3	0	**23.00**	21.46	21.60	21.90
		3	1	**23.00**	21.44	21.64	21.85
		3	3	**23.00**	21.40	21.65	21.84
		6	0	**22.00**	21.06	21.05	20.80
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					26705	26865	27025
					815.5	831	847.5
3MHz	QPSK	1	0	**23.50**	22.86	22.89	22.07
		1	7	**23.50**	22.83	22.24	22.10
		1	14	**23.50**	22.60	22.89	22.58
		8	0	**23.00**	21.85	21.39	21.50
		8	3	**23.00**	21.82	21.75	21.38
		8	7	**23.00**	21.75	21.95	21.69
		15	0	**23.00**	21.78	21.73	21.90
	16QAM	1	0	**23.00**	22.15	22.03	22.08
		1	7	**23.00**	22.23	22.39	22.21
		1	14	**23.00**	21.95	21.93	21.68
		8	0	**23.00**	21.29	21.31	21.30
		8	3	**23.00**	21.22	21.24	21.28
		8	7	**23.00**	21.14	21.31	21.08
		15	0	**22.00**	21.15	21.32	21.24

Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					26715	26865	27015
					816.5	831	846.5
5MHz	QPSK	1	0	**23.50**	22.39	22.73	22.44
		1	12	**23.50**	22.41	22.32	22.18
		1	24	**23.50**	22.65	22.81	22.34
		12	0	**23.00**	21.82	21.91	21.92
		12	6	**23.00**	21.93	21.14	21.80
		12	13	**23.00**	21.94	21.07	21.93
		25	0	**23.00**	21.90	21.17	21.76
	16QAM	1	0	**23.00**	22.12	22.13	22.01
		1	12	**23.00**	22.28	22.50	22.36
		1	24	**23.00**	21.94	22.03	21.57
		12	0	**23.00**	21.28	21.28	21.32
		12	6	**23.00**	21.03	21.12	21.39
		12	13	**23.00**	21.02	21.04	21.30
		25	0	**22.00**	20.92	21.14	20.67
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					26740	26865	26990
					819	831	844
10MHz	QPSK	1	0	**23.50**	22.56	22.75	22.20
		1	24	**23.50**	22.29	22.33	22.24
		1	49	**23.50**	22.68	22.70	22.00
		25	0	**23.00**	21.82	21.85	21.60
		25	12	**23.00**	21.71	21.80	21.46
		25	25	**23.00**	21.80	21.89	21.63
		50	0	**23.00**	21.87	21.85	21.85
	16QAM	1	0	**23.00**	21.79	21.79	22.14
		1	24	**23.00**	22.42	22.48	22.19
		1	49	**23.00**	21.74	21.94	21.20
		25	0	**23.00**	21.30	21.26	21.42
		25	12	**23.00**	21.19	21.08	21.41
		25	25	**23.00**	21.26	21.33	21.08
		50	0	**22.00**	20.80	20.65	20.74

Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					26765	26865	26965
					821.5	831	841.5
15MHz	QPSK	1	0	**23.50**	22.90	22.92	22.89
		1	37	**23.50**	22.49	22.26	22.45
		1	74	**23.50**	22.03	22.34	22.66
		36	0	**23.00**	21.93	21.34	21.02
		36	19	**23.00**	21.11	21.10	21.23
		36	39	**23.00**	21.66	21.75	21.58
		75	0	**23.00**	21.88	21.80	21.95
	16QAM	1	0	**23.00**	21.54	21.93	21.84
		1	37	**23.00**	21.59	21.63	21.55
		1	74	**23.00**	21.06	21.60	21.89
		36	0	**23.00**	21.89	21.60	21.92
		36	19	**23.00**	21.05	21.34	21.07
		36	39	**23.00**	21.55	21.69	21.48
		75	0	**22.00**	20.78	20.64	20.76

8.1.24CONDUCTED POWER MEASUREMENTS OF LTE BAND 26(ADDITIONAL POWER)

(Modem1+Modem2)/(Modem1+WiFi station)/(Modem1+Modem2+WiFi station)/ (Modem1+Hotspot on)/(Modem1+Modem2+ Hotspot on)

FDD LTE B26(Top Ant)					Conducted Power(dBm)		
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					26697	26865	27033
					814.7	831	848.3
1.4MHz	QPSK	1	0	**21.50**	20.54	20.23	20.47
		1	2	**21.50**	20.50	20.34	20.83
		1	5	**21.50**	20.76	20.59	20.70
		3	0	**21.00**	19.22	19.15	19.72
		3	1	**21.00**	19.47	19.19	19.74
		3	3	**21.00**	19.85	19.19	19.69
		6	0	**21.00**	19.91	19.70	19.61
	16QAM	1	0	**21.00**	20.02	20.27	20.01
		1	2	**21.00**	20.06	20.34	19.99
		1	5	**21.00**	19.84	20.23	19.85
		3	0	**21.00**	19.39	19.53	19.83
		3	1	**21.00**	19.37	19.57	19.78
		3	3	**21.00**	19.33	19.58	19.77
		6	0	**20.00**	18.99	18.98	18.73
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					26705	26865	27025
					815.5	831	847.5
3MHz	QPSK	1	0	**21.50**	20.79	20.82	20.00
		1	7	**21.50**	20.76	20.17	20.03
		1	14	**21.50**	20.53	20.82	20.51
		8	0	**21.00**	19.78	19.32	19.43
		8	3	**21.00**	19.75	19.68	19.31
		8	7	**21.00**	19.68	19.88	19.62
		15	0	**21.00**	19.71	19.66	19.83
	16QAM	1	0	**21.00**	20.08	19.96	20.01
		1	7	**21.00**	20.16	20.32	20.14
		1	14	**21.00**	19.88	19.86	19.61
		8	0	**20.00**	19.22	19.24	19.23
		8	3	**20.00**	19.15	19.17	19.21
		8	7	**20.00**	19.07	19.24	19.01
		15	0	**20.00**	19.08	19.25	19.17

Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					26715	26865	27015
					816.5	831	846.5
5MHz	QPSK	1	0	**21.50**	20.32	20.66	20.37
		1	12	**21.50**	20.34	20.25	20.11
		1	24	**21.50**	20.58	20.74	20.27
		12	0	**21.00**	19.75	19.84	19.85
		12	6	**21.00**	19.86	19.07	19.73
		12	13	**21.00**	19.87	19.00	19.86
		25	0	**21.00**	19.83	19.10	19.69
	16QAM	1	0	**21.00**	20.05	20.06	19.94
		1	12	**21.00**	20.21	20.43	20.29
		1	24	**21.00**	19.87	19.96	19.50
		12	0	**20.00**	19.21	19.21	19.25
		12	6	**20.00**	19.16	19.05	19.32
		12	13	**20.00**	19.25	19.27	19.23
		25	0	**20.00**	18.85	19.07	18.60
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					26740	26865	26990
					819	831	844
10MHz	QPSK	1	0	**21.50**	20.49	20.68	20.13
		1	24	**21.50**	20.22	20.26	20.17
		1	49	**21.50**	20.61	20.63	20.43
		25	0	**21.00**	19.75	19.78	19.53
		25	12	**21.00**	19.64	19.73	19.39
		25	25	**21.00**	19.73	19.82	19.56
		50	0	**21.00**	19.80	19.78	19.78
	16QAM	1	0	**21.00**	19.72	19.72	20.07
		1	24	**21.00**	20.35	20.41	20.12
		1	49	**21.00**	19.67	19.87	19.13
		25	0	**20.00**	19.23	19.19	19.35
		25	12	**20.00**	19.12	19.01	19.34
		25	25	**20.00**	19.19	19.26	19.01
		50	0	**20.00**	18.73	18.58	18.67

Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					26765	26865	26965
					821.5	831	841.5
15MHz	QPSK	1	0	**21.50**	20.83	20.85	20.82
		1	37	**21.50**	20.73	20.78	20.76
		1	74	**21.50**	20.16	20.27	20.59
		36	0	**21.00**	19.86	19.79	19.83
		36	19	**21.00**	19.04	19.13	19.16
		36	39	**21.00**	19.59	19.68	19.51
		75	0	**21.00**	19.81	19.73	19.88
	16QAM	1	0	**21.00**	19.47	19.86	19.77
		1	37	**21.00**	19.52	19.56	19.48
		1	74	**21.00**	19.29	19.53	19.82
		36	0	**20.00**	19.82	19.53	19.85
		36	19	**20.00**	19.28	19.27	19.00
		36	39	**20.00**	19.48	19.62	19.41
		75	0	**20.00**	18.71	18.57	18.69

8.1.25CONDUCTED POWER MEASUREMENTS OF LTE BAND 38(FULL POWER)

TDD LTE B38(Top Ant)					Conducted Power(dBm)		
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					37775	38000	38225
					2572.5	2595	2617.5
5MHz	QPSK	1	0	**24.00**	22.60	23.22	23.08
		1	12	**24.00**	22.73	23.48	23.18
		1	24	**24.00**	22.41	23.18	23.58
		12	0	**23.00**	21.84	22.62	22.25
		12	6	**23.00**	21.95	22.59	22.23
		12	13	**23.00**	21.94	22.75	22.08
		25	0	**23.00**	21.79	22.69	22.00
	16QAM	1	0	**23.00**	21.52	22.27	22.08
		1	12	**23.00**	21.74	22.62	22.21
		1	24	**23.00**	21.34	22.32	22.65
		12	0	**22.00**	20.59	21.48	21.69
		12	6	**22.00**	20.71	21.58	21.44
		12	13	**22.00**	20.61	21.54	21.71
		25	0	**22.00**	20.51	21.53	21.31
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					37800	38000	38200
					2575	2595	2615
10MHz	QPSK	1	0	**24.00**	22.48	23.02	23.03
		1	24	**24.00**	22.74	23.47	23.16
		1	49	**24.00**	22.61	23.39	23.58
		25	0	**23.00**	21.71	22.59	22.11
		25	12	**23.00**	21.78	22.72	22.19
		25	25	**23.00**	21.91	22.74	22.05
		50	0	**23.00**	21.80	22.70	22.01
	16QAM	1	0	**23.00**	21.51	22.05	22.06
		1	24	**23.00**	21.73	22.56	22.22
		1	49	**23.00**	21.57	22.45	22.59
		25	0	**22.00**	20.49	21.48	21.47
		25	12	**22.00**	20.73	21.58	21.56
		25	25	**22.00**	20.83	20.87	20.91
		50	0	**22.00**	20.75	21.02	20.88

Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					37825	38000	38175
					2577.5	2595	2612.5
15MHz	QPSK	1	0	**24.00**	22.27	23.47	23.43
		1	37	**24.00**	22.75	23.45	23.17
		1	74	**24.00**	22.64	23.17	23.48
		36	0	**23.00**	21.65	22.46	22.37
		36	19	**23.00**	21.95	22.69	22.30
		36	39	**23.00**	21.85	22.69	22.31
		75	0	**23.00**	21.62	22.55	22.38
	16QAM	1	0	**23.00**	21.32	22.02	22.56
		1	37	**23.00**	21.90	22.78	22.98
		1	74	**23.00**	21.49	22.33	22.24
		36	0	**22.00**	20.46	21.46	20.94
		36	19	**22.00**	20.98	21.58	21.12
		36	39	**22.00**	20.72	21.59	21.78
		75	0	**22.00**	20.59	21.54	20.90
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					37850	38000	38150
					2580	2595	2610
20MHz	QPSK	1	0	**24.00**	23.64	23.82	23.68
		1	50	**24.00**	23.54	23.79	23.58
		1	99	**24.00**	23.50	23.46	23.28
		50	0	**23.00**	22.58	22.75	22.57
		50	25	**23.00**	22.70	22.81	22.64
		50	50	**23.00**	22.24	22.47	22.32
		100	0	**23.00**	21.94	22.72	22.09
	16QAM	1	0	**23.00**	22.69	22.29	22.12
		1	50	**23.00**	22.40	22.03	22.63
		1	99	**23.00**	22.00	22.63	22.76
		50	0	**22.00**	21.83	21.50	21.07
		50	25	**22.00**	20.94	21.70	21.31
		50	50	**22.00**	21.19	21.82	20.94
		100	0	**22.00**	20.89	21.66	20.91

TDD LTE B38(Bottom Ant)					Conducted Power(dBm)		
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					37775	38000	38225
					2572.5	2595	2617.5
5MHz	QPSK	1	0	**24.00**	22.75	23.37	23.23
		1	12	**24.00**	22.88	23.63	23.33
		1	24	**24.00**	22.56	23.33	23.73
		12	0	**23.00**	21.99	22.77	22.40
		12	6	**23.00**	22.10	22.74	22.38
		12	13	**23.00**	22.09	22.90	22.23
		25	0	**23.00**	21.94	22.84	22.15
	16QAM	1	0	**23.00**	21.67	22.42	22.23
		1	12	**23.00**	21.89	22.77	22.36
		1	24	**23.00**	21.49	22.47	22.80
		12	0	**22.00**	20.74	21.63	21.84
		12	6	**22.00**	20.86	21.73	21.59
		12	13	**22.00**	20.76	21.69	21.86
		25	0	**22.00**	20.66	21.68	21.46
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					37800	38000	38200
					2575	2595	2615
10MHz	QPSK	1	0	**24.00**	22.63	23.17	23.18
		1	24	**24.00**	22.89	23.62	23.31
		1	49	**24.00**	22.76	23.54	23.73
		25	0	**23.00**	21.86	22.74	22.26
		25	12	**23.00**	21.93	22.87	22.34
		25	25	**23.00**	22.06	22.89	22.20
		50	0	**23.00**	21.95	22.85	22.16
	16QAM	1	0	**23.00**	21.66	22.20	22.21
		1	24	**23.00**	21.88	22.71	22.37
		1	49	**23.00**	21.72	22.60	22.74
		25	0	**22.00**	20.64	21.63	21.62
		25	12	**22.00**	20.88	21.73	21.71
		25	25	**22.00**	20.98	21.02	21.06
		50	0	**22.00**	20.90	21.17	21.03

Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					37825	38000	38175
					2577.5	2595	2612.5
15MHz	QPSK	1	0	**24.00**	22.42	23.62	23.58
		1	37	**24.00**	22.90	23.60	23.32
		1	74	**24.00**	22.79	23.32	23.63
		36	0	**23.00**	21.80	22.61	22.52
		36	19	**23.00**	22.10	22.84	22.45
		36	39	**23.00**	22.00	22.84	22.46
		75	0	**23.00**	21.77	22.70	22.53
	16QAM	1	0	**23.00**	21.47	22.17	22.71
		1	37	**23.00**	22.05	22.93	23.13
		1	74	**23.00**	21.64	22.48	22.39
		36	0	**22.00**	20.61	21.61	21.09
		36	19	**22.00**	21.13	21.73	21.27
		36	39	**22.00**	20.87	21.74	21.93
		75	0	**22.00**	20.74	21.69	21.05
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					37850	38000	38150
					2580	2595	2610
20MHz	QPSK	1	0	**24.00**	23.79	23.87	23.83
		1	50	**24.00**	23.09	23.67	23.53
		1	99	**24.00**	23.65	23.61	23.43
		50	0	**23.00**	22.53	22.70	22.53
		50	25	**23.00**	22.65	22.96	22.59
		50	50	**23.00**	22.39	22.62	22.47
		100	0	**23.00**	22.09	22.87	22.24
	16QAM	1	0	**23.00**	22.84	22.44	22.27
		1	50	**23.00**	22.55	22.18	22.78
		1	99	**23.00**	22.15	22.78	22.91
		50	0	**22.00**	21.98	21.65	21.22
		50	25	**22.00**	21.09	21.85	21.46
		50	50	**22.00**	21.34	21.97	21.09
		100	0	**22.00**	21.04	21.81	21.06

8.1.26CONDUCTED POWER MEASUREMENTS OF LTE BAND 38(ADDITIONAL POWER)

(Modem1+Modem2)/(Modem1+WiFi station)/(Modem1+Modem2+WiFi station)/ (Modem1+Hotspot on)/(Modem1+Modem2+ Hotspot on)

TDD LTE B38(Top Ant)					Conducted Power(dBm)		
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					37775	38000	38225
					2572.5	2595	2617.5
5MHz	QPSK	1	0	**21.00**	20.12	20.70	20.55
		1	12	**21.00**	20.26	20.96	20.69
		1	24	**21.00**	19.90	20.69	20.07
		12	0	**20.00**	19.38	20.14	19.73
		12	6	**20.00**	19.44	20.13	19.71
		12	13	**20.00**	19.46	20.24	19.55
		25	0	**20.00**	19.27	20.18	19.51
	16QAM	1	0	**20.00**	19.06	19.75	19.59
		1	12	**20.00**	19.24	20.10	19.70
		1	24	**20.00**	18.85	19.80	20.14
		12	0	**19.00**	18.08	18.99	19.24
		12	6	**19.00**	18.23	19.06	18.91
		12	13	**19.00**	18.09	19.06	19.23
		25	0	**19.00**	18.00	19.00	18.82
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					37800	38000	38200
					2575	2595	2615
10MHz	QPSK	1	0	**21.00**	19.97	20.50	20.49
		1	24	**21.00**	20.25	20.98	20.71
		1	49	**21.00**	20.10	20.86	20.62
		25	0	**20.00**	19.22	19.13	19.60
		25	12	**20.00**	19.27	19.26	19.73
		25	25	**20.00**	19.45	19.23	19.53
		50	0	**20.00**	19.34	19.24	19.50
	16QAM	1	0	**20.00**	19.00	19.47	19.54
		1	24	**20.00**	19.20	20.05	19.70
		1	49	**20.00**	19.06	19.92	20.10
		25	0	**19.00**	17.91	18.92	18.96
		25	12	**19.00**	18.31	19.07	19.08
		25	25	**19.00**	18.34	18.35	18.46
		50	0	**19.00**	18.24	18.49	18.39

Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					37825	38000	38175
					2577.5	2595	2612.5
15MHz	QPSK	1	0	**21.00**	19.75	20.96	20.97
		1	37	**21.00**	20.26	20.93	20.66
		1	74	**21.00**	20.15	20.65	20.39
		36	0	**20.00**	19.13	19.15	19.85
		36	19	**20.00**	19.44	19.73	19.84
		36	39	**20.00**	19.34	20.23	19.81
		75	0	**20.00**	19.09	20.07	19.89
	16QAM	1	0	**20.00**	18.80	19.54	20.05
		1	37	**20.00**	19.38	20.19	20.50
		1	74	**20.00**	19.03	19.84	19.72
		36	0	**19.00**	17.88	18.95	18.43
		36	19	**19.00**	18.47	19.06	18.59
		36	39	**19.00**	18.20	19.06	19.27
		75	0	**19.00**	18.13	19.06	18.32
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					37850	38000	38150
					2580	2595	2610
20MHz	QPSK	1	0	**21.00**	20.78	20.89	20.65
		1	50	**21.00**	20.05	20.28	20.10
		1	99	**21.00**	19.99	19.95	19.76
		50	0	**20.00**	19.06	19.26	19.08
		50	25	**20.00**	19.18	19.30	19.11
		50	50	**20.00**	18.71	18.98	18.86
		100	0	**20.00**	18.45	19.21	18.63
	16QAM	1	0	**20.00**	19.20	18.83	18.61
		1	50	**20.00**	18.89	18.57	19.17
		1	99	**20.00**	18.49	19.12	19.18
		50	0	**19.00**	18.38	17.97	17.56
		50	25	**19.00**	17.41	18.19	17.78
		50	50	**19.00**	17.71	18.24	17.38
		100	0	**19.00**	17.40	18.24	17.40

8.1.27CONDUCTED POWER MEASUREMENTS OF LTE BAND 41(FULL POWER)

TDD LTE B41(Top Ant)					Conducted Power(dBm)		
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					40265	40740	41216
					2557.5	2605	2652.6
5MHz	QPSK	1	0	**24.00**	23.28	23.33	23.21
		1	12	**24.00**	23.11	23.09	23.10
		1	24	**24.00**	23.46	23.38	23.38
		12	0	**23.00**	21.93	22.09	21.82
		12	6	**23.00**	22.01	22.12	21.99
		12	13	**23.00**	22.32	22.01	21.92
		25	0	**23.00**	21.93	22.04	21.92
	16QAM	1	0	**23.00**	22.26	22.39	22.40
		1	12	**23.00**	21.98	22.00	22.19
		1	24	**23.00**	21.56	21.52	21.72
		12	0	**22.00**	20.81	20.96	20.84
		12	6	**22.00**	20.89	20.99	20.85
		12	13	**22.00**	20.88	20.89	20.80
		25	0	**22.00**	20.78	20.90	20.79
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					40290	40740	41191
					2560.0	2605	2650.1
10MHz	QPSK	1	0	**24.00**	22.79	22.85	23.02
		1	24	**24.00**	23.13	23.04	23.03
		1	49	**24.00**	23.31	23.52	23.21
		25	0	**23.00**	21.97	22.16	22.02
		25	12	**23.00**	22.04	22.19	22.00
		25	25	**23.00**	21.94	22.07	21.93
		50	0	**23.00**	21.92	22.07	22.01
	16QAM	1	0	**23.00**	22.58	21.90	22.02
		1	24	**23.00**	21.96	22.08	22.05
		1	49	**23.00**	22.47	22.68	22.78
		25	0	**22.00**	20.89	21.07	20.91
		25	12	**22.00**	20.97	21.07	20.91
		25	25	**22.00**	21.28	20.20	21.49
		50	0	**22.00**	20.81	20.91	20.89

Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					40315	40740	41166
					2562.5	2605	2647.6
15MHz	QPSK	1	0	**24.00**	23.19	23.23	23.13
		1	37	**24.00**	23.11	23.05	22.94
		1	74	**24.00**	23.00	22.94	23.03
		36	0	**23.00**	22.46	22.63	22.40
		36	19	**23.00**	22.56	22.73	22.46
		36	39	**23.00**	22.49	22.52	22.54
		75	0	**23.00**	22.42	22.53	22.57
	16QAM	1	0	**23.00**	21.66	22.23	21.95
		1	37	**23.00**	22.58	22.40	22.23
		1	74	**23.00**	22.09	21.94	22.04
		36	0	**22.00**	21.39	21.29	21.26
		36	19	**22.00**	21.02	21.08	21.17
		36	39	**22.00**	21.00	20.79	20.85
		75	0	**22.00**	20.84	20.79	20.82
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					40340	40740	41141
					2565.0	2605	2645.1
20MHz	QPSK	1	0	**24.00**	23.59	23.71	23.53
		1	50	**24.00**	23.63	23.73	23.62
		1	99	**24.00**	23.5	23.33	23.55
		50	0	**23.00**	22.73	22.77	22.43
		50	25	**23.00**	22.83	22.85	22.75
		50	50	**23.00**	22.55	22.64	22.52
		100	0	**23.00**	22.73	22.46	22.42
	16QAM	1	0	**23.00**	22.23	22.34	22.47
		1	50	**23.00**	22.38	22.5	22.45
		1	99	**23.00**	22.55	22.71	22.49
		50	0	**22.00**	21.69	21.75	21.57
		50	25	**22.00**	21.67	21.76	21.42
		50	50	**22.00**	21.52	21.86	21.26
		100	0	**22.00**	21.60	21.79	21.30

TDD LTE B41(Bottom Ant)					Conducted Power(dBm)		
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					40265	40740	41216
					2557.5	2605	2652.6
5MHz	QPSK	1	0	**24.00**	23.40	23.45	23.33
		1	12	**24.00**	23.23	23.21	23.22
		1	24	**24.00**	23.58	23.50	23.50
		12	0	**23.00**	22.05	22.21	21.94
		12	6	**23.00**	22.13	22.24	22.11
		12	13	**23.00**	22.44	22.13	22.04
		25	0	**23.00**	22.05	22.16	22.04
	16QAM	1	0	**23.00**	22.38	22.51	22.52
		1	12	**23.00**	22.10	22.12	22.31
		1	24	**23.00**	21.68	21.64	21.84
		12	0	**22.00**	20.93	21.08	20.96
		12	6	**22.00**	21.01	21.11	20.97
		12	13	**22.00**	21.00	21.01	20.92
		25	0	**22.00**	20.90	21.02	20.91
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					40290	40740	41191
					2560.0	2605	2650.1
10MHz	QPSK	1	0	**24.00**	22.91	22.97	23.14
		1	24	**24.00**	23.25	23.16	23.15
		1	49	**24.00**	23.43	23.64	23.33
		25	0	**23.00**	22.09	22.28	22.14
		25	12	**23.00**	22.16	22.31	22.12
		25	25	**23.00**	22.06	22.19	22.05
		50	0	**23.00**	22.04	22.19	22.13
	16QAM	1	0	**23.00**	22.70	22.02	22.14
		1	24	**23.00**	22.08	22.20	22.17
		1	49	**23.00**	22.59	22.80	22.90
		25	0	**22.00**	21.01	21.19	21.03
		25	12	**22.00**	21.09	21.19	21.03
		25	25	**22.00**	21.40	20.32	21.61
		50	0	**22.00**	20.93	21.03	21.01

Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					40315	40740	41166
					2562.5	2605	2647.6
15MHz	QPSK	1	0	**24.00**	23.31	23.35	23.25
		1	37	**24.00**	23.23	23.17	23.06
		1	74	**24.00**	23.12	23.06	23.15
		36	0	**23.00**	22.58	22.75	22.52
		36	19	**23.00**	22.68	22.85	22.58
		36	39	**23.00**	22.61	22.64	22.66
		75	0	**23.00**	22.54	22.65	22.69
	16QAM	1	0	**23.00**	21.78	22.35	22.07
		1	37	**23.00**	22.70	22.52	22.35
		1	74	**23.00**	22.21	22.06	22.16
		36	0	**22.00**	21.51	21.41	21.38
		36	19	**22.00**	21.14	21.20	21.29
		36	39	**22.00**	21.12	20.91	20.97
		75	0	**22.00**	20.96	20.91	20.94
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					40340	40740	41141
					2565.0	2605	2645.1
20MHz	QPSK	1	0	**24.00**	23.41	23.33	23.36
		1	50	**24.00**	23.71	23.85	23.76
		1	99	**24.00**	23.62	23.45	23.67
		50	0	**23.00**	22.85	22.89	22.55
		50	25	**23.00**	22.95	22.96	22.87
		50	50	**23.00**	22.67	22.76	22.64
		100	0	**23.00**	22.85	22.58	22.54
	16QAM	1	0	**23.00**	22.35	22.46	22.59
		1	50	**23.00**	22.5	22.62	22.57
		1	99	**23.00**	22.67	22.83	22.61
		50	0	**22.00**	21.81	21.87	21.69
		50	25	**22.00**	21.79	21.88	21.54
		50	50	**22.00**	21.64	21.98	21.38
		100	0	**22.00**	21.72	21.91	21.42

8.1.28CONDUCTED POWER MEASUREMENTS OF LTE BAND 41(ADDITIONAL POWER)

(Modem1+Modem2)/(Modem1+WiFi station)/(Modem1+Modem2+WiFi station)/ (Modem1+Hotspot on)/(Modem1+Modem2+ Hotspot on)

TDD LTE B41(Top Ant)					Conducted Power(dBm)		
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					40265	40740	41216
					2557.5	2605	2652.6
5MHz	QPSK	1	0	**20.00**	19.24	19.31	19.23
		1	12	**20.00**	19.09	19.17	19.14
		1	24	**20.00**	19.42	19.36	19.46
		12	0	**19.00**	17.89	18.13	17.80
		12	6	**19.00**	18.09	18.08	17.97
		12	13	**19.00**	18.28	18.09	17.88
		25	0	**19.00**	18.01	18.04	17.88
	16QAM	1	0	**19.00**	18.30	18.41	18.36
		1	12	**19.00**	18.02	17.98	18.21
		1	24	**19.00**	17.38	17.56	17.68
		12	0	**18.00**	16.83	16.92	16.88
		12	6	**18.00**	16.87	16.97	16.79
		12	13	**18.00**	16.84	16.83	16.86
		25	0	**18.00**	16.72	16.88	16.73
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					40290	40740	41191
					2560.0	2605	2650.1
10MHz	QPSK	1	0	**20.00**	18.81	18.83	19.03
		1	24	**20.00**	19.17	19.02	19.02
		1	49	**20.00**	19.30	19.49	19.22
		25	0	**19.00**	17.96	18.17	18.01
		25	12	**19.00**	18.02	18.20	18.04
		25	25	**19.00**	17.92	18.06	17.97
		50	0	**19.00**	17.90	18.06	18.00
	16QAM	1	0	**19.00**	18.59	17.95	17.99
		1	24	**19.00**	17.94	18.05	18.04
		1	49	**19.00**	18.49	18.70	18.70
		25	0	**18.00**	16.86	17.08	16.99
		25	12	**18.00**	17.00	17.05	16.92
		25	25	**18.00**	17.25	16.21	17.48
		50	0	**18.00**	16.75	16.92	16.81

Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					40315	40740	41166
					2562.5	2605	2647.6
15MHz	QPSK	1	0	**20.00**	19.20	19.22	19.15
		1	37	**20.00**	19.10	19.04	18.92
		1	74	**20.00**	18.98	18.95	19.04
		36	0	**19.00**	18.44	18.62	18.37
		36	19	**19.00**	18.53	18.74	18.50
		36	39	**19.00**	18.50	18.51	18.58
		75	0	**19.00**	18.43	18.57	18.56
	16QAM	1	0	**19.00**	17.65	18.27	17.99
		1	37	**19.00**	18.57	18.39	18.15
		1	74	**19.00**	18.14	17.91	18.03
		36	0	**18.00**	17.36	17.28	17.23
		36	19	**18.00**	17.04	17.00	17.11
		36	39	**18.00**	17.01	16.87	16.84
		75	0	**18.00**	16.82	16.80	16.80
Bandwidth	Modulation	RB size	RB offset	Tune-up	Low	Mid	High
					40340	40740	41141
					2565.0	2605	2645.1
20MHz	QPSK	1	0	**20.00**	19.57	19.7	19.57
		1	50	**20.00**	19.64	19.71	19.61
		1	99	**20.00**	19.51	19.31	19.57
		50	0	**19.00**	18.71	18.81	18.41
		50	25	**19.00**	18.82	18.83	18.79
		50	50	**19.00**	18.54	18.68	18.52
		100	0	**19.00**	18.7	18.48	18.43
	16QAM	1	0	**19.00**	18.21	18.36	18.46
		1	50	**19.00**	18.36	18.41	18.47
		1	99	**19.00**	18.59	18.72	18.47
		50	0	**18.00**	17.61	17.74	17.56
		50	25	**18.00**	17.66	17.74	17.39
		50	50	**18.00**	17.5	17.83	17.25
		100	0	**18.00**	17.64	17.81	17.22

8.1.29CONDUCTED POWER MEASUREMENTS OFDOWNLINK LTE CA

In this section, the following conducted power measurement results of downlink LTE carrier aggregation are provided to quantify downlink only carrier aggregation SAR test exclusion per KDB 941225 D05A.

Uplink maximum output power is measured with downlink carrier aggregation active, using the channel with highest measured maximum output power when downlink carrier aggregation is inactive, to confirm that when downlink carrier aggregation is active uplink maximum output power remains with the specified tune-up tolerance limits and not more than 1/4 dB higher than the maximum output power measured when downlink carrier aggregation inactive.

Power test equipment: a RS Wideband Radio Communication Tester CMW500 was used.

Initial Conditions						
Test Environment as specified in TS 36.508[7] subclause 4.1		NC[TL/VL,TL/VH,TH/VL,TH/VH				
Test Frequencies as specified in TS 36.508[7] subclause 4.3.1 for different CA bandwidth classes		A:Mid range for PCC and SCC				
Test CC Combination setting(NRB_agg) as specified in subclause 5.4.2 A.1 for the CA Configuration		Lowest N_{RB_agg} Highest N_{RB_agg}				
Test Parameters for CA Configurations						
CA Configuration/N_{RB_agg}		DL Allocation	CC MOD	UL Allocation		
PCC N_{RB}	SCC $_S$ N_{RB}	PCC & SCC RB allocation		N_{RB_alloc}	PCC RB allocations (L_{CRB} @ RB_{start})	
6	25	N/A for this test	QPSK	5	P_5@0	-
15	25		QPSK	4	P_4@0	-
25	50		QPSK	8	P_8@0	-
50	75		QPSK	12	P_12@0	-
75	100		QPSK	16	P_16@0	-
100	75		QPSK	18	P_18@0	-
Note 1:CA Configuration Test CC Combination settings are checked separately for each CA Configuration, which application aggregated channel bandwidths are specified in Table 5.4.2A.1-1						

a) The conducted power measurement results of downlink LTE CA Conducted Power are as below(Top antenna)

DL LTE CA Class	PCC								SCC			Power	
	PCC Band	PCC BW (MHz)	PCC UL RB size	PCC UL RB offset	PCC DL RB size	PCC DL RB offset	PCC UL Channel	PCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	Rel 8 LTE Tx Power (dBm)	Rel 10 DL LTE Tx Power (dBm)
CA_7C	7	20	1	0	100	0	21000	3000	7	20	3198	22.65	22.58
CA_38C	38	20	1	0	100	0	37900	37900	38	20	38098	23.82	23.71
CA_2A-4A	2	10	1	24	50	0	19150	1150	4	10	2350	23.56	23.55
	4	10	1	0	50	0	20175	2175	2	10	900	22.78	22.66
CA_2A-17A	2	10	1	24	50	0	19150	1150	17	10	5790	23.29	23.31
	17	10	1	24	50	0	23790	5790	2	10	900	23.49	23.36
CA_3A-5A	5	10	1	24	50	0	20600	2600	3	10	1900	22.7	22.71
CA_3A-7A	7	10	1	24	50	0	21400	3400	3	10	1900	22.42	22.53
CA_7A-20A	7	10	1	24	50	0	21400	3400	20	10	6400	22.42	22.49
CA_7A-28A	7	10	1	24	50	0	21400	3400	28	10	9610	22.42	22.38
CA_4A-17A	4	10	1	0	50	0	20175	2175	17	10	5790	22.78	22.75

b) The conducted power measurement results of downlink LTE CA Conducted Power are as below(Bottom antenna)

DL LTE CA Class	PCC								SCC			Power	
	PCC Band	PCC BW (MHz)	PCC UL RB size	PCC UL RB offset	PCC DL RB size	PCC DL RB offset	PCC UL Channel	PCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	Rel 8 LTE Tx Power (dBm)	Rel 10 DL LTE Tx Power (dBm)
CA_7C	7	20	1	0	100	0	21000	3000	7	20	3198	22.68	22.63
CA_38C	38	20	1	0	100	0	37900	37900	38	20	38098	23.87	23.78
CA_2A-4A	2	10	1	24	50	0	19150	1150	4	10	2350	23.45	23.51
	4	10	1	24	50	0	20175	2175	2	10	900	22.79	22.78
CA_2A-17A	2	10	1	24	50	0	19150	1150	17	10	5790	23.45	23.42
	17	10	1	24	50	0	23790	5790	2	10	900	23.57	23.61
CA_3A-5A	5	10	1	24	50	0	20600	2600	3	10	1900	22.65	22.49
CA_3A-7A	7	10	1	0	50	0	21400	3400	3	10	1900	22.68	22.63
CA_7A-20A	7	10	1	0	50	0	21400	3400	20	10	6400	22.68	22.67
CA_7A-28A	7	10	1	0	50	0	21400	3400	28	10	9610	22.68	22.63
CA_4A-17A	4	10	1	0	50	0	20175	2175	17	10	5790	22.79	22.69

8.1.30 CONDUCTED POWER MEASUREMENTS OF WIFI 2.4G

a)Full Power

Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Power Setting	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
802.11b	1	2412	1	17.00	18.00	17.19	Yes
	6	2437		17.00	18.00	17.45	Yes
	11	2462		17.00	18.00	17.54	Yes
802.11g	1	2412	6	17.00	18.00	17.21	No
	6	2437		17.00	18.00	17.43	No
	11	2462		17.00	18.00	17.51	No
802.11n HT20	1	2412	6.5	Not Required	16.00	Not Required	No
	6	2437		Not Required	16.00	Not Required	No
	11	2462		Not Required	16.00	Not Required	No
802.11n HT40	3	2422	13.5	Not Required	16.00	Not Required	No
	6	2437		Not Required	16.00	Not Required	No
	9	2452		Not Required	16.00	Not Required	No

b) Top or Bottom antenna synchronous transmission with WiFi antenna

Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Power Setting	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
802.11b	1	2412	1	15.00	16.00	15.22	Yes
	6	2437		15.00	16.00	15.48	Yes
	11	2462		15.00	16.00	15.57	Yes
802.11g	1	2412	6	15.00	16.00	15.24	No
	6	2437		15.00	16.00	15.46	No
	11	2462		15.00	16.00	15.54	No
802.11n HT20	1	2412	6.5	Not Required	14.00	Not Required	No
	6	2437		Not Required	14.00	Not Required	No
	11	2462		Not Required	14.00	Not Required	No
802.11n HT40	3	2422	13.5	Not Required	14.00	Not Required	No
	6	2437		Not Required	14.00	Not Required	No
	9	2452		Not Required	14.00	Not Required	No

c) Top and Bottom antennas synchronous transmission with WiFi antenna

Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Power Setting	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
802.11b	1	2412	1	14.00	15.00	14.23	Yes
	6	2437		14.00	15.00	14.49	Yes
	11	2462		14.00	15.00	14.58	Yes
802.11g	1	2412	6	14.00	15.00	14.25	No
	6	2437		14.00	15.00	14.47	No
	11	2462		14.00	15.00	14.55	No
802.11n HT20	1	2412	6.5	Not Required	13.00	Not Required	No
	6	2437		Not Required	13.00	Not Required	No
	11	2462		Not Required	13.00	Not Required	No
802.11n HT40	3	2422	13.5	Not Required	13.00	Not Required	No
	6	2437		Not Required	13.00	Not Required	No
	9	2452		Not Required	13.00	Not Required	No

Note:

1) The Average conducted power of WiFi is measured with RMS detector.

2) Per KDB248227, for WiFi 2.4GHz, the highest measured maximum output power Channel for DSSS modes(802.11b)was selected for SAR measurement.SAR for OFDM modes(2.4GHz 802.11g/n) was not required When the highest reported SAR for DSSS is adjusted by the ratio of OFDM modes(802.11g/n)to DSSS modes(802.11b)specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.

8.1.31 CONDUCTED POWER MEASUREMENTS OF WIFI 5G

a)Full Power

Band	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Power Setting	Tune -up	Average Power (dBm)	SAR Test (Yes/No)
5.2G	802.11a	36	5180	6	15.00	16.00	15.66	Yes
		40	5200		15.00	16.00	15.56	No
		44	5220		15.00	16.00	15.49	No
		48	5240		15.00	16.00	15.25	No
	802.11n HT20	36	5180	6.5	Not required	14.00	Not required	No
		40	5200		Not required	14.00	Not required	No
		44	5220		Not required	14.00	Not required	No
		48	5240		Not required	14.00	Not required	No
	802.11n HT40	38	5190	13.5	Not required	14.00	Not required	No
		46	5230		Not required	14.00	Not required	No
	802.11ac HT20	36	5180	6.5	Not required	14.00	Not required	No
		40	5200		Not required	14.00	Not required	No
		44	5220		Not required	14.00	Not required	No
		48	5240		Not required	14.00	Not required	No
	802.11ac HT40	38	5190	13.5	Not required	14.00	Not required	No
		46	5230		Not required	14.00	Not required	No
	802.11ac VH80	42	5210	29.3	Not required	13.00	Not required	No
Band	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Power Setting	Tune -up	Average Power (dBm)	SAR Test (Yes/No)
5.3G	802.11a	52	5260	6	15.00	16.00	14.83	Yes
		56	5280		15.00	16.00	14.70	No
		60	5300		15.00	16.00	14.65	No
		64	5320		15.00	16.00	14.81	No
	802.11n HT20	52	5260	6.5	Not required	14.00	Not required	No
		56	5280		Not required	14.00	Not required	No
		60	5300		Not required	14.00	Not required	No
		64	5320		Not required	14.00	Not required	No
	802.11n HT40	54	5270	13.5	Not required	14.00	Not required	No
		62	5310		Not required	14.00	Not required	No
	802.11ac HT20	52	5180	6.5	Not required	14.00	Not required	No
		56	5200		Not required	14.00	Not required	No
		60	5220		Not required	14.00	Not required	No

		64	5240		Not required	14.00	Not required	No
	802.11ac HT40	54	5270	13.5	Not required	14.00	Not required	No
		62	5310		Not required	14.00	Not required	No
	802.11ac VH80	58	5290	29.3	Not required	13.00	Not required	No
Band	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Power Setting	Tune -up	Average Power (dBm)	SAR Test (Yes/No)
5.5G	802.11a	100	5500	6	15.00	16.00	14.90	Yes
		104	5520		15.00	16.00	14.77	Yes
		108	5540		15.00	16.00	14.55	Yes
		112	5560		15.00	16.00	14.49	Yes
		116	5580		15.00	16.00	14.57	Yes
		120	5600		15.00	16.00	14.48	Yes
		124	5620		15.00	16.00	14.58	Yes
		128	5640		15.00	16.00	14.61	Yes
		132	5660		15.00	16.00	14.65	Yes
		136	5680		15.00	16.00	14.62	Yes
		140	5700		15.00	16.00	14.50	Yes
	802.11n HT20	100	5500	6.5	Not required	14.00	Not required	No
		104	5520		Not required	14.00	Not required	No
		108	5540		Not required	14.00	Not required	No
		112	5560		Not required	14.00	Not required	No
		116	5580		Not required	14.00	Not required	No
		120	5600		Not required	14.00	Not required	No
		124	5620		Not required	14.00	Not required	No
		128	5640		Not required	14.00	Not required	No
		132	5660		Not required	14.00	Not required	No
		136	5680		Not required	14.00	Not required	No
		140	5700		Not required	14.00	Not required	No
	802.11n HT40	102	5510	13.5	Not required	14.00	Not required	No
		110	5550		Not required	14.00	Not required	No
		118	5590		Not required	14.00	Not required	No
		126	5630		Not required	14.00	Not required	No
		134	5670		Not required	14.00	Not required	No
	802.11ac HT20	100	5500	6.5	Not required	14.00	Not required	No
		104	5520		Not required	14.00	Not required	No
		108	5540		Not required	14.00	Not required	No
		112	5560		Not required	14.00	Not required	No

		116	5580		Not required	14.00	Not required	No
		120	5600		Not required	14.00	Not required	No
		124	5620		Not required	14.00	Not required	No
		128	5640		Not required	14.00	Not required	No
		132	5660		Not required	14.00	Not required	No
		136	5680		Not required	14.00	Not required	No
		140	5700		Not required	14.00	Not required	No
	802.11ac HT40	102	5510	13.5	Not required	14.00	Not required	No
		110	5550		Not required	14.00	Not required	No
		118	5590		Not required	14.00	Not required	No
		126	5630		Not required	14.00	Not required	No
		134	5670		Not required	14.00	Not required	No
	802.11ac HT80	106	5530	29.3	Not required	13.00	Not required	No
		122	5610		Not required	13.00	Not required	No
		138	5690		Not required	13.00	Not required	No
Band	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Power Setting	Tune -up	Average Power (dBm)	SAR Test (Yes/No)
5.8G	802.11a	149	5745	6	15.00	16.00	14.30	Yes
		153	5765		15.00	16.00	14.27	No
		157	5785		15.00	16.00	14.12	No
		161	5805		15.00	16.00	14.19	No
		165	5825		15.00	16.00	14.03	No
	802.11n HT20	149	5745	6.5	Not required	14.00	Not required	No
		153	5765		Not required	14.00	Not required	No
		157	5785		Not required	14.00	Not required	No
		161	5805		Not required	14.00	Not required	No
		165	5825		Not required	14.00	Not required	No
	802.11n HT40	151	5755	13.5	Not required	14.00	Not required	No
		159	5795		Not required	14.00	Not required	No
	802.11ac HT20	149	5745	6.5	Not required	14.00	Not required	No
		153	5765		Not required	14.00	Not required	No
		157	5785		Not required	14.00	Not required	No
		161	5805		Not required	14.00	Not required	No
		165	5825		Not required	14.00	Not required	No
	802.11ac HT40	151	5755	13.5	Not required	14.00	Not required	No
		159	5795		Not required	14.00	Not required	No
	802.11ac VH80	155	5775	29.3	Not required	13.00	Not required	No

b) Top or Bottom antenna synchronous transmission with WiFi antenna

Band	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Power Setting	Tune -up	Average Power (dBm)	SAR Test (Yes/No)
5.2G	802.11a	36	5180	6	13.00	14.00	13.67	No
		40	5200		13.00	14.00	13.57	No
		44	5220		13.00	14.00	13.50	No
		48	5240		13.00	14.00	13.26	No
	802.11n HT20	36	5180	6.5	Not required	12.00	Not required	No
		40	5200		Not required	12.00	Not required	No
		44	5220		Not required	12.00	Not required	No
		48	5240		Not required	12.00	Not required	No
	802.11n HT40	38	5190	13.5	Not required	12.00	Not required	No
		46	5230		Not required	12.00	Not required	No
	802.11ac HT20	36	5180	6.5	Not required	12.00	Not required	No
		40	5200		Not required	12.00	Not required	No
		44	5220		Not required	12.00	Not required	No
		48	5240		Not required	12.00	Not required	No
	802.11ac HT40	38	5190	13.5	Not required	12.00	Not required	No
		46	5230		Not required	12.00	Not required	No
	802.11ac VH80	42	5210	29.3	Not required	11.00	Not required	No
Band	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Power Setting	Tune -up	Average Power (dBm)	SAR Test (Yes/No)
5.3G	802.11a	52	5260	6	13.00	14.00	12.84	Yes
		56	5280		13.00	14.00	12.71	No
		60	5300		13.00	14.00	12.66	No
		64	5320		13.00	14.00	12.82	No
	802.11n HT20	52	5260	6.5	Not required	12.00	Not required	No
		56	5280		Not required	12.00	Not required	No
		60	5300		Not required	12.00	Not required	No
		64	5320		Not required	12.00	Not required	No
	802.11n HT40	54	5270	13.5	Not required	12.00	Not required	No
		62	5310		Not required	12.00	Not required	No
	802.11ac HT20	52	5180	6.5	Not required	12.00	Not required	No
		56	5200		Not required	12.00	Not required	No
		60	5220		Not required	12.00	Not required	No

		64	5240		Not required	12.00	Not required	No
	802.11ac HT40	54	5270	13.5	Not required	12.00	Not required	No
		62	5310		Not required	12.00	Not required	No
	802.11ac VH80	58	5290	29.3	Not required	11.00	Not required	No
Band	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Power Setting	Tune -up	Average Power (dBm)	SAR Test (Yes/No)
5.5G	802.11a	100	5500	6	13.00	14.00	12.98	Yes
		104	5520		13.00	14.00	12.78	Yes
		108	5540		13.00	14.00	12.56	Yes
		112	5560		13.00	14.00	12.50	Yes
		116	5580		13.00	14.00	12.58	Yes
		120	5600		13.00	14.00	12.49	Yes
		124	5620		13.00	14.00	12.51	Yes
		128	5640		13.00	14.00	12.54	Yes
		132	5660		13.00	14.00	12.66	Yes
		136	5680		13.00	14.00	12.63	Yes
		140	5700		13.00	14.00	12.51	Yes
	802.11n HT20	100	5500	6.5	Not required	12.00	Not required	No
		104	5520		Not required	12.00	Not required	No
		108	5540		Not required	12.00	Not required	No
		112	5560		Not required	12.00	Not required	No
		116	5580		Not required	12.00	Not required	No
		120	5600		Not required	12.00	Not required	No
		124	5620		Not required	12.00	Not required	No
		128	5640		Not required	12.00	Not required	No
		132	5660		Not required	12.00	Not required	No
		136	5680		Not required	12.00	Not required	No
		140	5700		Not required	12.00	Not required	No
	802.11n HT40	102	5510	13.5	Not required	12.00	Not required	No
		110	5550		Not required	12.00	Not required	No
		118	5590		Not required	12.00	Not required	No
		126	5630		Not required	12.00	Not required	No
		134	5670		Not required	12.00	Not required	No
	802.11ac HT20	100	5500	6.5	Not required	12.00	Not required	No
		104	5520		Not required	12.00	Not required	No
		108	5540		Not required	12.00	Not required	No
		112	5560		Not required	12.00	Not required	No

		116	5580		Not required	12.00	Not required	No
		120	5600		Not required	12.00	Not required	No
		124	5620		Not required	12.00	Not required	No
		128	5640		Not required	12.00	Not required	No
		132	5660		Not required	12.00	Not required	No
		136	5680		Not required	12.00	Not required	No
		140	5700		Not required	12.00	Not required	No
	802.11ac HT40	102	5510	13.5	Not required	12.00	Not required	No
		110	5550		Not required	12.00	Not required	No
		118	5590		Not required	12.00	Not required	No
		126	5630		Not required	12.00	Not required	No
		134	5670		Not required	12.00	Not required	No
	802.11ac HT80	106	5530	29.3	Not required	11.00	Not required	No
		122	5610		Not required	11.00	Not required	No
		138	5690		Not required	11.00	Not required	No
Band	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Power Setting	Tune -up	Average Power (dBm)	SAR Test (Yes/No)
5.8G	802.11a	149	5745	6	13.00	14.00	12.50	Yes
		153	5765		13.00	14.00	12.28	No
		157	5785		13.00	14.00	12.13	No
		161	5805		13.00	14.00	12.20	No
		165	5825		13.00	14.00	12.04	No
	802.11n HT20	149	5745	6.5	Not required	12.00	Not required	No
		153	5765		Not required	12.00	Not required	No
		157	5785		Not required	12.00	Not required	No
		161	5805		Not required	12.00	Not required	No
		165	5825		Not required	12.00	Not required	No
	802.11n HT40	151	5755	13.5	Not required	12.00	Not required	No
		159	5795		Not required	12.00	Not required	No
	802.11ac HT20	149	5745	6.5	Not required	12.00	Not required	No
		153	5765		Not required	12.00	Not required	No
		157	5785		Not required	12.00	Not required	No
		161	5805		Not required	12.00	Not required	No
		165	5825		Not required	12.00	Not required	No
	802.11ac HT40	151	5755	13.5	Not required	12.00	Not required	No
		159	5795		Not required	12.00	Not required	No
	802.11ac VH80	155	5775	29.3	Not required	11.00	Not required	No

c) Top and Bottom antennas synchronous transmission with WiFi antenna

Band	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Power Setting	Tune -up	Average Power (dBm)	SAR Test (Yes/No)
5.2G	802.11a	36	5180	6	12.00	13.00	12.68	No
		40	5200		12.00	13.00	12.58	No
		44	5220		12.00	13.00	12.51	No
		48	5240		12.00	13.00	12.27	No
	802.11n HT20	36	5180	6.5	Not required	11.00	Not required	No
		40	5200		Not required	11.00	Not required	No
		44	5220		Not required	11.00	Not required	No
		48	5240		Not required	11.00	Not required	No
	802.11n HT40	38	5190	13.5	Not required	11.00	Not required	No
		46	5230		Not required	11.00	Not required	No
	802.11ac HT20	36	5180	6.5	Not required	11.00	Not required	No
		40	5200		Not required	11.00	Not required	No
		44	5220		Not required	11.00	Not required	No
		48	5240		Not required	11.00	Not required	No
	802.11ac HT40	38	5190	13.5	Not required	11.00	Not required	No
		46	5230		Not required	11.00	Not required	No
	802.11ac VH80	42	5210	29.3	Not required	10.00	Not required	No
Band	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Power Setting	Tune -up	Average Power (dBm)	SAR Test (Yes/No)
5.3G	802.11a	52	5260	6	12.00	13.00	11.85	Yes
		56	5280		12.00	13.00	11.72	No
		60	5300		12.00	13.00	11.67	No
		64	5320		12.00	13.00	11.83	No
	802.11n HT20	52	5260	6.5	Not required	11.00	Not required	No
		56	5280		Not required	11.00	Not required	No
		60	5300		Not required	11.00	Not required	No
		64	5320		Not required	11.00	Not required	No
	802.11n HT40	54	5270	13.5	Not required	11.00	Not required	No
		62	5310		Not required	11.00	Not required	No
	802.11ac HT20	52	5180	6.5	Not required	11.00	Not required	No
		56	5200		Not required	11.00	Not required	No
		60	5220		Not required	11.00	Not required	No
		64	5240		Not required	11.00	Not required	No

	802.11ac HT40	54	5270	13.5	Not required	11.00	Not required	No
		62	5310		Not required	11.00	Not required	No
	802.11ac VH80	58	5290	29.3	Not required	10.00	Not required	No
Band	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Power Setting	Tune -up	Average Power (dBm)	SAR Test (Yes/No)
5.5G	802.11a	100	5500	6	12.00	13.00	11.90	Yes
		104	5520		12.00	13.00	11.69	Yes
		108	5540		12.00	13.00	11.57	Yes
		112	5560		12.00	13.00	11.51	Yes
		116	5580		12.00	13.00	11.59	Yes
		120	5600		12.00	13.00	11.55	Yes
		124	5620		12.00	13.00	11.53	Yes
		128	5640		12.00	13.00	11.61	Yes
		132	5660		12.00	13.00	11.67	Yes
		136	5680		12.00	13.00	11.64	Yes
		140	5700		12.00	13.00	11.52	Yes
	802.11n HT20	100	5500	6.5	Not required	11.00	Not required	No
		104	5520		Not required	11.00	Not required	No
		108	5540		Not required	11.00	Not required	No
		112	5560		Not required	11.00	Not required	No
		116	5580		Not required	11.00	Not required	No
		120	5600		Not required	11.00	Not required	No
		124	5620		Not required	11.00	Not required	No
		128	5640		Not required	11.00	Not required	No
		132	5660		Not required	11.00	Not required	No
		136	5680		Not required	11.00	Not required	No
		140	5700		Not required	11.00	Not required	No
	802.11n HT40	102	5510	13.5	Not required	11.00	Not required	No
		110	5550		Not required	11.00	Not required	No
		118	5590		Not required	11.00	Not required	No
		126	5630		Not required	11.00	Not required	No
		134	5670		Not required	11.00	Not required	No
	802.11ac HT20	100	5500	6.5	Not required	11.00	Not required	No
		104	5520		Not required	11.00	Not required	No
		108	5540		Not required	11.00	Not required	No
		112	5560		Not required	11.00	Not required	No
		116	5580		Not required	11.00	Not required	No

		120	5600		Not required	11.00	Not required	No
		124	5620		Not required	11.00	Not required	No
		128	5640		Not required	11.00	Not required	No
		132	5660		Not required	11.00	Not required	No
		136	5680		Not required	11.00	Not required	No
		140	5700		Not required	11.00	Not required	No
	802.11ac HT40	102	5510	13.5	Not required	11.00	Not required	No
		110	5550		Not required	11.00	Not required	No
		118	5590		Not required	11.00	Not required	No
		126	5630		Not required	11.00	Not required	No
		134	5670		Not required	11.00	Not required	No
	802.11ac HT80	106	5530	29.3	Not required	10.00	Not required	No
		122	5610		Not required	10.00	Not required	No
		138	5690		Not required	10.00	Not required	No
Band	Mode	Channel	Frequency (MHz)	Data Rate (Mbps)	Power Setting	Tune -up	Average Power (dBm)	SAR Test (Yes/No)
5.8G	802.11a	149	5745	6	12.00	13.00	11.32	Yes
		153	5765		12.00	13.00	11.29	No
		157	5785		12.00	13.00	11.14	No
		161	5805		12.00	13.00	11.21	No
		165	5825		12.00	13.00	11.05	No
	802.11n HT20	149	5745	6.5	Not required	11.00	Not required	No
		153	5765		Not required	11.00	Not required	No
		157	5785		Not required	11.00	Not required	No
		161	5805		Not required	11.00	Not required	No
		165	5825		Not required	11.00	Not required	No
	802.11n HT40	151	5755	13.5	Not required	11.00	Not required	No
		159	5795		Not required	11.00	Not required	No
	802.11ac HT20	149	5745	6.5	Not required	11.00	Not required	No
		153	5765		Not required	11.00	Not required	No
		157	5785		Not required	11.00	Not required	No
		161	5805		Not required	11.00	Not required	No
		165	5825		Not required	11.00	Not required	No
	802.11ac HT40	151	5755	13.5	Not required	11.00	Not required	No
		159	5795		Not required	11.00	Not required	No
	802.11ac VH80	155	5775	29.3	Not required	10.00	Not required	No

8.1.32 CONDUCTED POWER MEASUREMENTS OF BT

BT MHz	Tune Up	Average Conducted Power (dBm)		
		DH5	2DH5	3DH5
CH0	9.8	8.63	8.43	8.13
CH39	9.8	8.46	8.26	8.02
CH78	9.5	7.98	7.56	7.21

BT (4.2) MHz	Tune Up	Average Conducted Power (dBm)
CH0	6	5.53
CH19	6	5.97
CH39	6.5	4.97

Note:
1) The conducted power of BT is measured with RMS detector.

8.2SAR TEST RESULTS

General Notes:

1) Per KDB447498 D01v06, all measurement SAR results are scaled to the maximum tune-up tolerance limit to demonstrate compliant.
2) Per KDB447498 D01v06, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:≤0.8 W/kg or 2.0 W/kg, for 1-g or 10-g respectively, when the transmission band is≤100 MHz. When the maximum output power variation across the required test channels is > ½ dB, instead of the middle channel, the highest output power channel must be used.
3) Per KDB865664 D01v01r04,for each frequency band, repeated SAR measurement is required only when the measured SAR is ≥0.8W/Kg; if the deviation among the repeated measurement is ≤20%,and the measured SAR <1.45W/Kg, only one repeated measurement is required.
4) Per KDB941225 D06v02r01, the DUT Dimension is bigger than 9 cm x 5 cm, so 10mm is chosen as the test separation distance for Hotspot mode. When the antenna-to-edge distance is greater than 2.5cm, such position does not need to be tested.
5) Per KDB648474 D04v01r03, SAR is evaluated without a headset connected to the device. When the standalone reported body-worn SAR is ≤1.2 W/kg, no additional SAR evaluations using a headset are required.
6) Per KDB865664 D02v01r02, SAR plot is only required for the highest measured SAR in each exposure configuration, wireless mode and frequency band combination; Plots are also required when the measured SAR is > 1.5 W/kg, or > 7.0 W/kg for occupational exposure. The published RF exposure KDB procedures may require additional plots; for example, to support SAR to peak location separation ratio test exclusion and/or volume scan post-processing.

GSM Notes:

1) Per KDB648474 D04v01r03, body-worn accessory testing is typically associated with voice operations. Therefore, GSM voice was evaluated for body-worn SAR.
2) Per KDB941225 D01v03r01, SAR test reduction for GPRS and EDGE modes is determined by the source-based time-averaged output power specified for production units, including tune-up tolerance. The data mode with highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions. For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested.

UMTS Notes:

Per KDB941225 D01v03r01, When the maximum output power and tune-up tolerance specified for production units in a secondary mode is ≤¼ dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the secondary mode.

LTE notes:

1) The LTE test configurations are determined according to KDB941225 D05 SAR for LTE Devices v02r05.The general test procedures used for SAR testing can be found in Section 7.1.3.
2) A-MPR was disabled for all SAR test by setting NS_01 on the base station simulator. SAR tests were performed with the same number of RB and RB offsets transmitting on all TTI frames(maximum TTI)

WLAN Notes:

1. For exposure conditions with multiple test positions, such as handset operating next to the ear, devices with hotspot mode, procedures for initial test position can be applied. Using the transmission mode determined by the DSSS procedure or initial test configuration, area scans are measured for all positions in an exposure condition. The test position with the highest extrapolated(peak)SAR is used as the initial test position. When the reported SAR of the initial test position is ≤ 0.4 W/kg, further SAR measurement is not required for the other (remaining) test positions. Otherwise, SAR is evaluated at the subsequent highest peak SAR position until the reported SAR result is ≤ 0.8 W/kg or all test positions are measured.
2. Justification for test configurations for WLAN per KDB Publication 248227 for 2.4GHZ WIFI single transmission chain operations, the highest measured maximum output power Channel for DSSS was selected for SAR measurement.SAR for OFDM modes(2.4GHz 802.11g/n) was not required due to the maximum allowed powers and the highest reported DSSS SAR. See Section 7.1.5 for more information.
3. Justification for test configurations for WLAN per KDB Publication 248227 for 5GHZ WIFI single transmission chain operations, the initial test configuration was selected according to the transmission mode with the highest maximum allowed power. Other transmission mode were not investigated since the highest reported SAR for initial test configuration adjusted by the ratio of maximum output powers is less than1.2W/kg. See Section 7.1.5 for more information.

8.2.1SAR measurement Result of Head

1. Head SAR test results of GSM(Main Modem) &UMTS

Test No.	Band	Mode	CH	Test Position	ANT	SIM	Battery	Tune up	Measured	Drift(dB)	SAR Value (W/kg)1-g	Reported SAR
T01	GSM850	GSM	190	Right Cheek	1	1	1	33.5	32.37	-0.07	0.272	0.353
T02	GSM850	GSM	190	Right Tilted	1	1	1	33.5	32.37	0.03	0.140	0.182
T03	GSM850	GSM	190	Left Cheek	1	1	1	33.5	32.37	-0.09	0.238	0.309
T04	GSM850	GSM	190	Left Tilted	1	1	1	33.5	32.37	0.05	0.081	0.105
T05	GSM850	GSM	128	Right Cheek	1	1	1	33.5	32.16	-0.04	0.209	0.285
T06	GSM850	GSM	251	Right Cheek	1	1	1	33.5	32.35	-0.03	0.301	0.392
T07	GSM850	GSM	251	Right Cheek	1	1	2	33.5	32.35	0.01	0.106	0.138
T08	GSM850	GSM	251	Right Cheek	1	1	3	33.5	32.35	0.05	0.289	0.377
T09	GSM850	GSM	251	Right Cheek	1	2	1	33.5	32.35	0.07	**0.303**	0.395
T001	GSM850	GPRS 2TX	190	Right Cheek	1	1	1	31	30.07	0.06	**0.217**	0.269
T002	GSM850	GPRS 2TX	190	Right Tilted	1	1	1	31	30.07	0.02	0.126	0.156
T003	GSM850	GPRS 2TX	190	Left Cheek	1	1	1	31	30.07	-0.01	0.189	0.234
T004	GSM850	GPRS 2TX	190	Left Tilted	1	1	1	31	30.07	-0.03	0.101	0.125
T005	GSM850	GPRS 2TX	128	Right Cheek	1	1	1	31	29.77	0.02	0.184	0.244
T006	GSM850	GPRS 2TX	251	Right Cheek	1	1	1	31	30.05	0.01	0.207	0.258
T007	GSM850	GPRS 2TX	190	Right Cheek	1	1	2	31	30.07	0.05	0.192	0.238
T008	GSM850	GPRS 2TX	190	Right Cheek	1	1	3	31	30.07	0.01	0.203	0.251
T009	GSM850	GPRS 2TX	190	Right Cheek	1	2	1	31	30.07	0.04	0.212	0.263
T18	GSM850	GSM	190	Right Cheek	2	1	1	33.5	32.41	0.01	**0.961**	1.235
T19	GSM850	GSM	190	Right Tilted	2	1	1	33.5	32.41	0.02	0.903	1.161
T20	GSM850	GSM	190	Left Cheek	2	1	1	33.5	32.41	0.08	0.681	0.875
T21	GSM850	GSM	190	Left Tilted	2	1	1	33.5	32.41	0.03	0.672	0.864
T22	GSM850	GSM	128	Right Cheek	2	1	1	33.5	32.22	-0.04	0.810	1.088
T23	GSM850	GSM	251	Right Cheek	2	1	1	33.5	32.39	-0.06	0.886	1.144
T24	GSM850	GSM	128	Right Tilted	2	1	1	33.5	32.22	0.07	0.731	0.982
T25	GSM850	GSM	251	Right Tilted	2	1	1	33.5	32.39	-0.05	0.889	1.148
T141	GSM850	GSM	128	Left Cheek	2	1	1	33.5	32.22	0.01	0.648	0.870
T142	GSM850	GSM	251	Left Cheek	2	1	1	33.5	32.39	0.04	0.651	0.841
T143	GSM850	GSM	128	Left Tilted	2	1	1	33.5	32.22	0.02	0.635	0.853
T144	GSM850	GSM	251	Left Tilted	2	1	1	33.5	32.39	-0.02	0.642	0.829
T26	GSM850	GSM	190	Right Cheek	2	1	2	33.5	32.41	-0.01	0.945	1.215
T27	GSM850	GSM	190	Right Cheek	2	1	3	33.5	32.41	0.06	0.954	1.226
T28	GSM850	GSM	190	Right Cheek	2	2	1	33.5	32.41	0.02	0.952	1.224
T29	GSM850	GSM	190	Right Cheek(1st Repeated)	2	1	1	33.5	32.41	-0.01	0.948	1.218

GSM850:Additional SAR test(Modem1+Modem2) (Modem1+ WiFi station) (Modem1+Modem2+ WiFi station) (Modem1+ Hotspot on)(Modem1+Modem2+ Hotspot on)												
T18-1	GSM850	GSM	190	Right Cheek	2	1	1	32	31.2	-0.07	0.778	0.935
T018	GSM850	GPRS 2TX	190	Right Cheek	2	1	1	30	28.6	0.06	**0.847**	1.169
T019	GSM850	GPRS 2TX	190	Right Tilted	2	1	1	30	28.6	-0.02	0.750	1.035
T020	GSM850	GPRS 2TX	190	Left Cheek	2	1	1	30	28.6	0.02	0.661	0.912
T021	GSM850	GPRS 2TX	190	Left Tilted	2	1	1	30	28.6	-0.01	0.638	0.881
T022	GSM850	GPRS 2TX	128	Right Cheek	2	1	1	30	28.55	0.04	0.657	0.917
T023	GSM850	GPRS 2TX	251	Right Cheek	2	1	1	30	28.57	0.06	0.824	1.145
T024	GSM850	GPRS 2TX	128	Right Tilted	2	1	1	30	28.55	0.07	0.615	0.859
T025	GSM850	GPRS 2TX	251	Right Tilted	2	1	1	30	28.57	0.06	0.765	1.063
T026	GSM850	GPRS 2TX	128	Left Cheek	2	1	1	30	28.55	0.03	0.546	0.762
T027	GSM850	GPRS 2TX	251	Left Cheek	2	1	1	30	28.57	0.01	0.681	0.947
T028	GSM850	GPRS 2TX	128	Left Tilted	2	1	1	30	28.55	-0.04	0.533	0.744
T029	GSM850	GPRS 2TX	251	Left Tilted	2	1	1	30	28.57	-0.06	0.635	0.883
T030	GSM850	GPRS 2TX	190	Right Cheek	2	1	2	30	28.57	-0.05	0.762	1.059
T031	GSM850	GPRS 2TX	190	Right Cheek	2	1	3	30	28.57	0.07	0.804	1.118
T032	GSM850	GPRS 2TX	190	Right Cheek(1st Repeated)	2	1	1	30	28.6	0.06	0.843	1.164
T49	GSM1900	GSM	661	Right Cheek	1	1	1	30.5	28.96	0.04	0.303	0.432
T50	GSM1900	GSM	661	Right Tilted	1	1	1	30.5	28.96	0.06	0.097	0.138
T51	GSM1900	GSM	661	Left Cheek	1	1	1	30.5	28.96	0.01	0.186	0.265
T52	GSM1900	GSM	661	Left Tilted	1	1	1	30.5	28.96	-0.03	0.204	0.291
T53	GSM1900	GSM	512	Right Cheek	1	1	1	30.5	28.93	0.08	**0.356**	0.511
T54	GSM1900	GSM	810	Right Cheek	1	1	1	30.5	28.95	0.05	0.273	0.390
T55	GSM1900	GSM	512	Right Cheek	1	1	2	30.5	28.93	-0.01	0.328	0.471
T56	GSM1900	GSM	512	Right Cheek	1	1	3	30.5	28.93	0.02	0.277	0.398
T57	GSM1900	GSM	512	Right Cheek	1	2	1	30.5	28.93	0.07	0.336	0.482
T049	GSM1900	GPRS 3TX	661	Right Cheek	1	1	1	26.5	25.93	0.04	0.258	0.294
T050	GSM1900	GPRS 3TX	661	Right Tilted	1	1	1	26.5	25.93	0.02	0.088	0.100
T051	GSM1900	GPRS 3TX	661	Left Cheek	1	1	1	26.5	25.93	-0.03	0.145	0.165
T052	GSM1900	GPRS 3TX	661	Left Tilted	1	1	1	26.5	25.93	-0.01	0.123	0.140
T053	GSM1900	GPRS 3TX	512	Right Cheek	1	1	1	26.5	25.92	-0.05	0.227	0.259
T054	GSM1900	GPRS 3TX	810	Right Cheek	1	1	1	26.5	25.82	0.07	0.242	0.283
T055	GSM1900	GPRS 3TX	661	Right Cheek	1	1	2	26.5	25.93	0.01	0.247	0.282
T056	GSM1900	GPRS 3TX	661	Right Cheek	1	1	3	26.5	25.93	0.01	**0.268**	0.306
T057	GSM1900	GPRS 3TX	661	Right Cheek	1	2	3	26.5	25.93	0.06	0.256	0.292
T66	GSM1900	GSM	661	Right Cheek	2	1	1	30.5	29.02	0.01	0.881	1.239
T67	GSM1900	GSM	661	Right Tilted	2	1	1	30.5	29.02	0.03	0.612	0.861
T68	GSM1900	GSM	661	Left Cheek	2	1	1	30.5	29.02	-0.04	0.606	0.852
T69	GSM1900	GSM	661	Left Tilted	2	1	1	30.5	29.02	-0.03	0.598	0.841
T70	GSM1900	GSM	512	Right Cheek	2	1	1	30.5	28.96	0.03	**0.921**	1.313

T71	GSM1900	GSM	810	Right Cheek	2	1	1	30.5	29.01	0.05	0.837	1.180
T145	GSM1900	GSM	512	Right Tilted	2	1	1	30.5	28.96	0.02	0.569	0.811
T146	GSM1900	GSM	810	Right Tilted	2	1	1	30.5	29.01	-0.01	0.602	0.848
T147	GSM1900	GSM	512	Left Cheek	2	1	1	30.5	28.96	0.03	0.601	0.857
T148	GSM1900	GSM	810	Left Cheek	2	1	1	30.5	29.01	-0.01	0.598	0.843
T149	GSM1900	GSM	512	Left Tilted	2	1	1	30.5	28.96	0.01	0.584	0.833
T150	GSM1900	GSM	810	Left Tilted	2	1	1	30.5	29.01	0.02	0.579	0.816
T72	GSM1900	GSM	512	Right Cheek	2	1	2	30.5	28.96	-0.01	0.896	1.277
T73	GSM1900	GSM	512	Right Cheek	2	1	3	30.5	28.96	0.02	0.898	1.280
T330	GSM1900	GSM	512	Right Cheek	2	2	1	30.5	28.96	0.03	0.869	1.239
T74	GSM1900	GSM	512	Right Cheek(1st Repeated)	2	1	1	30.5	28.96	0.08	0.913	1.302
GSM1900:Additional SAR test(Modem1+Modem2) (Modem1+ WiFi station)(Modem1+Modem2+ WiFi station) (Modem1+ Hotspot on)(Modem1+Modem2+ Hotspot on)												
T66-1	GSM1900	GSM	661	Right Cheek	2	1	1	29	27.61	0.03	0.727	1.001
T67-1	GSM1900	GSM	512	Right Cheek	2	1	1	29	27.53	0.01	0.792	1.111
T68-1	GSM1900	GSM	810	Right Cheek	2	1	1	29	27.57	0.04	0.743	1.033
T066	GSM1900	GPRS 2TX	661	Right Cheek	2	1	1	27	25.56	0.02	**0.749**	1.043
T067	GSM1900	GPRS 2TX	661	Right Tilted	2	1	1	27	25.56	0.03	0.514	0.716
T068	GSM1900	GPRS 2TX	661	Left Cheek	2	1	1	27	25.56	-0.01	0.503	0.701
T069	GSM1900	GPRS 2TX	661	Left Tilted	2	1	1	27	25.56	0.04	0.295	0.411
T070	GSM1900	GPRS 2TX	512	Right Cheek	2	1	1	27	25.6	0.05	0.738	1.019
T071	GSM1900	GPRS 2TX	810	Right Cheek	2	1	1	27	25.55	0.07	0.716	1.000
T072	GSM1900	GPRS 2TX	661	Right Cheek	2	1	2	27	25.56	0.05	0.586	0.816
T073	GSM1900	GPRS 2TX	661	Right Cheek	2	1	3	27	25.56	0.06	0.596	0.830
T074	GSM1900	GPRS 2TX	661	Right Cheek	2	2	1	27	25.56	0.07	0.705	0.982
T87	UMTS B2	RMC12.2K	9400	Right Cheek	1	1	1	24	23.55	-0.02	0.403	0.447
T88	UMTS B2	RMC12.2K	9400	Right Tilted	1	1	1	24	23.55	0.03	0.127	0.141
T89	UMTS B2	RMC12.2K	9400	Left Cheek	1	1	1	24	23.55	0.09	0.229	0.254
T90	UMTS B2	RMC12.2K	9400	Left Tilted	1	1	1	24	23.55	0.06	0.189	0.210
T91	UMTS B2	RMC12.2K	9262	Right Cheek	1	1	1	24	23.53	0.05	**0.493**	0.549
T92	UMTS B2	RMC12.2K	9538	Right Cheek	1	1	1	24	23.54	-0.05	0.311	0.346
T93	UMTS B2	RMC12.2K	9262	Right Cheek	1	1	2	24	23.53	0.04	0.459	0.511
T94	UMTS B2	RMC12.2K	9262	Right Cheek	1	1	3	24	23.53	0.01	0.425	0.474
UMTS B2:Additional SAR test(Modem1+Modem2+ WiFi station) (Modem1+ Hotspot on)(Modem1+Modem2+ Hotspot on)												
T091	UMTS B2	RMC12.2K	9400	Right Cheek	1	1	1	19	18.52	0.02	0.219	0.245
T95	UMTS B2	RMC12.2K	9400	Right Cheek	2	1	1	24	23.44	0.05	**0.957**	1.089
T96	UMTS B2	RMC12.2K	9400	Right Tilted	2	1	1	24	23.44	0.01	0.729	0.829
T97	UMTS B2	RMC12.2K	9400	Left Cheek	2	1	1	24	23.44	0.04	0.358	0.407
T98	UMTS B2	RMC12.2K	9400	Left Tilted	2	1	1	24	23.44	0.02	0.222	0.253
T99	UMTS B2	RMC12.2K	9262	Right Cheek	2	1	1	24	23.42	0.06	0.886	1.013
T100	UMTS B2	RMC12.2K	9538	Right Cheek	2	1	1	24	23.43	0.02	0.884	1.008

T315	UMTS B2	RMC12.2K	9262	Right Tilted	2	1	1	24	23.42	0.01	0.707	0.808
T316	UMTS B2	RMC12.2K	9538	Right Tilted	2	1	1	24	23.43	-0.03	0.712	0.812
T101	UMTS B2	RMC12.2K	9400	Right Cheek	2	1	2	24	23.44	0.05	0.871	0.991
T102	UMTS B2	RMC12.2K	9400	Right Cheek	2	1	3	24	23.44	0.03	0.714	0.812
T140	UMTS B2	RMC12.2K	9400	Right Cheek(1st Repeated)	2	1	1	24	23.44	0.01	0.952	1.083
UMTS B2:Additional SAR test(Modem1+WiFi station) (Modem1+Modem2+ WiFi station) (Modem1+Hotspot on)(Modem1+Modem2+ Hotspot on)												
T95-1	UMTS B2	RMC12.2K	9400	Right Cheek	2	1	1	19	18.52	0.05	0.672	**0.751**
T103	UMTS B4	RMC12.2K	1413	Right Cheek	1	1	1	24	23.85	0.08	0.518	0.536
T104	UMTS B4	RMC12.2K	1413	Right Tilted	1	1	1	24	23.85	0.03	0.200	0.207
T105	UMTS B4	RMC12.2K	1413	Left Cheek	1	1	1	24	23.85	-0.05	0.345	0.357
T106	UMTS B4	RMC12.2K	1413	Left Tilted	1	1	1	24	23.85	-0.02	0.224	0.232
T107	UMTS B4	RMC12.2K	1312	Right Cheek	1	1	1	24	23.83	0.04	0.520	0.541
T108	UMTS B4	RMC12.2K	1513	Right Cheek	1	1	1	24	23.81	0.06	**0.537**	0.561
T109	UMTS B4	RMC12.2K	1513	Right Cheek	1	1	2	24	23.81	0.07	0.451	0.471
T110	UMTS B4	RMC12.2K	1513	Right Cheek	1	1	3	24	23.81	0.01	0.453	0.473
UMTS B4:Additional SAR test(Modem1+Modem2)(Modem1+Modem2+ WiFi station) (Modem1+ Hotspot on)(Modem1+Modem2+ Hotspot on)												
T0108	UMTS B4	RMC12.2K	1413	Right Cheek	1	1	1	18	17.32	0.02	0.438	0.512
T111	UMTS B4	RMC12.2K	1413	Right Cheek	2	1	1	24	23.68	0.02	0.482	0.519
T112	UMTS B4	RMC12.2K	1413	Right Tilted	2	1	1	24	23.68	0.04	0.291	0.313
T113	UMTS B4	RMC12.2K	1413	Left Cheek	2	1	1	24	23.68	0.02	0.184	0.198
T114	UMTS B4	RMC12.2K	1413	Left Tilted	2	1	1	24	23.68	0.06	0.159	0.171
T115	UMTS B4	RMC12.2K	1312	Right Cheek	2	1	1	24	23.66	0.01	**0.778**	0.841
T116	UMTS B4	RMC12.2K	1513	Right Cheek	2	1	1	24	23.64	0.02	0.574	0.624
T117	UMTS B4	RMC12.2K	1312	Right Cheek	2	1	2	24	23.68	0.03	0.569	0.613
T118	UMTS B4	RMC12.2K	1312	Right Cheek	2	1	3	24	23.68	0.06	0.455	0.490
T119	UMTS B5	RMC12.2K	4182	Right Cheek	1	1	1	24.5	24.11	0.03	0.245	0.268
T120	UMTS B5	RMC12.2K	4182	Right Tilted	1	1	1	24.5	24.11	0.01	0.173	0.189
T121	UMTS B5	RMC12.2K	4182	Left Cheek	1	1	1	24.5	24.11	-0.01	0.217	0.237
T122	UMTS B5	RMC12.2K	4182	Left Tilted	1	1	1	24.5	24.11	-0.06	0.206	0.225
T123	UMTS B5	RMC12.2K	4132	Right Cheek	1	1	1	24.5	24.07	0.04	0.211	0.233
T124	UMTS B5	RMC12.2K	4233	Right Cheek	1	1	1	24.5	24.06	0.05	**0.255**	0.282
T125	UMTS B5	RMC12.2K	4233	Right Cheek	1	1	2	24.5	24.06	0.02	0.227	0.251
T126	UMTS B5	RMC12.2K	4233	Right Cheek	1	1	3	24.5	24.06	-0.03	0.249	0.276
T127	UMTS B5	RMC12.2K	4182	Right Cheek	2	1	1	24.5	23.81	-0.08	**1.070**	1.254
T128	UMTS B5	RMC12.2K	4182	Right Tilted	2	1	1	24.5	23.81	0	0.548	0.642
T129	UMTS B5	RMC12.2K	4182	Left Cheek	2	1	1	24.5	23.81	0.03	0.737	0.864
T130	UMTS B5	RMC12.2K	4182	Left Tilted	2	1	1	24.5	23.81	0.06	0.681	0.798
T131	UMTS B5	RMC12.2K	4132	Right Cheek	2	1	1	24.5	23.77	-0.02	0.957	1.132
T132	UMTS B5	RMC12.2K	4233	Right Cheek	2	1	1	24.5	23.76	-0.01	0.949	1.125
T135	UMTS B5	RMC12.2K	4132	Left Cheek	2	1	1	24.5	23.77	-0.04	0.640	0.757

T136	UMTS B5	RMC12.2K	4233	Left Cheek	2	1	1	24.5	23.76	-0.02	0.737	0.874
T137	UMTS B5	RMC12.2K	4182	Right Cheek	2	1	2	24.5	23.81	0.06	0.812	0.952
T138	UMTS B5	RMC12.2K	4182	Right Cheek	2	1	3	24.5	23.81	-0.01	0.827	0.969
T139	UMTS B5	RMC12.2K	4182	Right Cheek(1st Repeated)	2	1	1	24.5	23.81	0.07	1.040	1.219
UMTS B2:Additional SAR test (Modem1+Modem2)(Modem1+WiFi station) (Modem1+Modem2+ WiFi station) (Modem1+Hotspot on)(Modem1+Modem2+ Hotspot on)												
T127-1	UMTS B5	RMC12.2K	4182	Right Cheek	2	1	1	22	21.65	-0.08	0.467	0.506

Note: 1. The value with boldface is the maximum SAR Value of each test band.
2. Main antenna is bottom antenna(Ant 1), and the second antenna is top antenna(Ant 2).

Head SAR test results of GSM(Second Modem)

Test No.	Band	Mode	CH	Test Position	ANT	SIM	Battery	Tune up	Measured	Drift(dB)	SAR Value (W/kg)1-g	Reported SAR
T10	GSM850	GSM	190	Right Cheek	1	2	1	33.5	32.58	0.04	0.225	0.278
T11	GSM850	GSM	190	Right Tilted	1	2	1	33.5	32.58	0.02	0.066	0.082
T12	GSM850	GSM	190	Left Cheek	1	2	1	33.5	32.58	-0.06	0.194	0.240
T13	GSM850	GSM	190	Left Tilted	1	2	1	33.5	32.58	-0.01	0.096	0.119
T14	GSM850	GSM	128	Right Cheek	1	2	1	33.5	32.18	0.05	0.208	0.282
T15	GSM850	GSM	251	Right Cheek	1	2	1	33.5	32.61	0.04	**0.269**	0.330
T16	GSM850	GSM	251	Right Cheek	1	2	2	33.5	32.61	0.03	0.239	0.293
T17	GSM850	GSM	251	Right Cheek	1	2	3	33.5	32.61	0.07	0.223	0.274
GSM850:Additional SAR test(Modem1+Modem2+ WiFi station)(Modem1+Modem2+ Hotspot on)												
T15-1	GSM850	GSM	190	Right Cheek	1	2	1	31.5	31.02	-0.07	0.117	0.131
T010	GSM850	GPRS 2TX	190	Right Cheek	1	2	1	31	29.9	0.05	**0.095**	0.123
T011	GSM850	GPRS 2TX	190	Right Tilted	1	2	1	31	29.9	0.04	0.068	0.088
T012	GSM850	GPRS 2TX	190	Left Cheek	1	2	1	31	29.9	-0.04	0.091	0.117
T013	GSM850	GPRS 2TX	190	Left Tilted	1	2	1	31	29.9	-0.05	0.061	0.079
T014	GSM850	GPRS 2TX	128	Right Cheek	1	2	1	31	29.45	0.02	0.081	0.116
T015	GSM850	GPRS 2TX	251	Right Cheek	1	2	1	31	30.04	0.04	0.092	0.115
T016	GSM850	GPRS 2TX	190	Right Cheek	1	2	2	31	29.9	0.03	0.089	0.115
T017	GSM850	GPRS 2TX	190	Right Cheek	1	2	3	31	29.9	0.03	0.091	0.117
T30	GSM850	GSM	190	Right Cheek	2	2	1	33.5	32.61	0.08	**0.926**	1.137
T31	GSM850	GSM	190	Right Tilted	2	2	1	33.5	32.61	0.01	0.866	1.063
T32	GSM850	GSM	190	Left Cheek	2	2	1	33.5	32.61	0.06	0.611	0.750
T33	GSM850	GSM	190	Left Tilted	2	2	1	33.5	32.61	0.05	0.707	0.868
T34	GSM850	GSM	128	Right Cheek	2	2	1	33.5	32.52	0.02	0.871	1.091
T35	GSM850	GSM	251	Right Cheek	2	2	1	33.5	32.59	0.03	0.921	1.136
T36	GSM850	GSM	128	Right Tilted	2	2	1	33.5	32.52	-0.04	0.757	0.949
T37	GSM850	GSM	251	Right Tilted	2	2	1	33.5	32.59	0.06	0.878	1.083
T40	GSM850	GSM	128	Left Tilted	2	2	1	33.5	32.52	-0.01	0.625	0.783
T41	GSM850	GSM	251	Left Tilted	2	2	1	33.5	32.59	0.07	0.659	0.813
T42	GSM850	GSM	190	Right Cheek	2	2	2	33.5	32.61	0.08	0.918	1.127
T43	GSM850	GSM	190	Right Cheek	2	2	3	33.5	32.61	-0.03	0.914	1.122
T44	GSM850	GSM	190	Right Cheek(1st Repeated)	2	2	1	33.5	32.61	0.06	0.923	1.133
GSM850:Additional SAR test(Modem1+Modem2)(Modem1+Modem2+ WiFi station)(Modem1+Modem2+ Hotspot on)												
T041	GSM850	GSM	190	Right Cheek	2	2	1	30.5	29.81	0.03	0.739	0.866
T042	GSM850	GSM	190	Left Cheek	2	2	1	30.5	29.81	0.01	0.531	0.622
T033	GSM850	GPRS 2TX	190	Right Cheek	2	2	1	28.5	28.04	0.05	**0.665**	0.739

T034	GSM850	GPRS 2TX	190	Right Tilted	2	2	1	28.5	28.04	0.02	0.654	0.727
T035	GSM850	GPRS 2TX	190	Left Cheek	2	2	1	28.5	28.04	0.04	0.556	0.618
T036	GSM850	GPRS 2TX	190	Left Tilted	2	2	1	28.5	28.04	-0.01	0.569	0.633
T037	GSM850	GPRS 2TX	128	Right Cheek	2	2	1	28.5	28.03	-0.04	0.624	0.695
T038	GSM850	GPRS 2TX	251	Right Cheek	2	2	1	28.5	27.95	0.01	0.644	0.731
T039	GSM850	GPRS 2TX	190	Right Cheek	2	2	2	28.5	28.04	0.07	0.616	0.685
T040	GSM850	GPRS 2TX	190	Right Cheek	2	2	3	28.5	28.04	0.08	0.606	0.674
T58	GSM1900	GSM	661	Right Cheek	1	2	1	30.5	29.47	0.03	0.311	0.394
T59	GSM1900	GSM	661	Right Tilted	1	2	1	30.5	29.47	0.05	0.140	0.177
T60	GSM1900	GSM	661	Left Cheek	1	2	1	30.5	29.47	-0.09	0.201	0.255
T61	GSM1900	GSM	661	Left Tilted	1	2	1	30.5	29.47	-0.02	0.144	0.183
T62	GSM1900	GSM	512	Right Cheek	1	2	1	30.5	29.68	-0.01	0.331	0.400
T63	GSM1900	GSM	810	Right Cheek	1	2	1	30.5	29.52	0.06	0.304	0.381
T64	GSM1900	GSM	512	Right Cheek	1	2	2	30.5	29.68	0.08	0.260	0.314
T65	GSM1900	GSM	512	Right Cheek	1	2	3	30.5	29.68	0.04	**0.338**	0.408
GSM1900:Additional SAR test(Modem1+Modem2+ WiFi station)(Modem1+Modem2+ Hotspot on)												
T065-1	GSM1900	GSM	661	Right Cheek	1	2	1	28.5	27.89	0.03	0.200	0.230
T058	GSM1900	GPRS 3TX	661	Right Cheek	1	2	1	26.5	25.73	0.02	0.401	0.479
T059	GSM1900	GPRS 3TX	661	Right Tilted	1	2	1	26.5	25.73	-0.04	0.136	0.162
T060	GSM1900	GPRS 3TX	661	Left Cheek	1	2	1	26.5	25.73	0.05	0.212	0.253
T061	GSM1900	GPRS 3TX	661	Left Tilted	1	2	1	26.5	25.73	0.01	0.173	0.207
T062	GSM1900	GPRS 3TX	512	Right Cheek	1	2	1	26.5	25.74	0.03	0.339	0.404
T063	GSM1900	GPRS 3TX	810	Right Cheek	1	2	1	26.5	25.82	0.06	0.378	0.442
T064	GSM1900	GPRS 3TX	661	Right Cheek	1	2	2	26.5	25.73	0.03	0.383	0.457
T065	GSM1900	GPRS 3TX	661	Right Cheek	1	2	3	26.5	25.73	0.05	**0.407**	0.486
GSM1900:Additional SAR test(Modem1+Modem2+ WiFi station)(Modem1+Modem2+ Hotspot on)												
T066	GSM1900	GPRS 3TX	661	Right Cheek	1	2	1	24.5	24.09	0.02	0.178	0.196
T75	GSM1900	GSM	661	Right Cheek	2	2	1	30.5	29.54	0.05	**0.848**	1.058
T76	GSM1900	GSM	661	Right Tilted	2	2	1	30.5	29.54	0.02	0.543	0.677
T77	GSM1900	GSM	661	Left Cheek	2	2	1	30.5	29.54	-0.03	0.374	0.467
T78	GSM1900	GSM	661	Left Tilted	2	2	1	30.5	29.54	0.04	0.225	0.281
T79	GSM1900	GSM	512	Right Cheek	2	2	1	30.5	29.51	0.06	0.783	0.983
T80	GSM1900	GSM	810	Right Cheek	2	2	1	30.5	29.49	0.07	0.696	0.878
T81	GSM1900	GSM	661	Right Cheek	2	2	2	30.5	29.54	0.08	0.821	1.024
T82	GSM1900	GSM	661	Right Cheek	2	2	3	30.5	29.54	-0.02	0.839	1.047
T83	GSM1900	GSM	661	Right Cheek(1st Repeated)	2	2	1	30.5	29.54	0.03	0.828	1.033
GSM1900:Additional SAR test(Modem1+Modem2)(Modem1+Modem2+ WiFi station)(Modem1+Modem2+ Hotspot on)												
T098	GSM1900	GSM	661	Right Cheek	2	2	1	27	26.14	0.04	0.449	0.547
T099	GSM1900	GSM	661	Left Cheek	2	2	1	27	26.14	-0.03	0.203	0.247
T090	GSM1900	GPRS 3TX	661	Right Cheek	2	2	1	23	21.18	-0.02	**0.352**	0.535

T091	GSM1900	GPRS 3TX	661	Right Tilted	2	2	1	23	21.18	0.02	0.244	0.371
T092	GSM1900	GPRS 3TX	661	Left Cheek	2	2	1	23	21.18	-0.01	0.155	0.236
T093	GSM1900	GPRS 3TX	661	Left Tilted	2	2	1	23	21.18	0.03	0.109	0.166
T094	GSM1900	GPRS 3TX	512	Right Cheek	2	2	1	23	21.29	0.01	0.317	0.470
T095	GSM1900	GPRS 3TX	810	Right Cheek	2	2	1	23	21.14	-0.05	0.337	0.517
T096	GSM1900	GPRS 3TX	661	Right Cheek	2	2	2	23	21.18	0.05	0.276	0.420
T097	GSM1900	GPRS 3TX	661	Right Cheek	2	2	3	23	21.18	0.06	0.267	0.406

Note: 1. The value with boldface is the maximum SAR Value of each test band.
2. Main antenna is bottom antenna(Ant 1), and the second antenna is top antenna(Ant 2).

2.Head SAR test results of LTE

Test No.	Band	Mode	CH	RB	Offset	Test Position	ANT	SIM	Battery	Tune up	Measured	Drift(dB)	SAR Value (W/kg) 1-g	Reported SAR
T401	LTE B2	QPKS20M	18900	1	50	Right Cheek	1	1	1	24	23.62	0.09	0.747	0.815
T402	LTE B2	QPKS20M	18900	1	50	Right Tilted	1	1	1	24	23.62	0.02	0.156	0.170
T403	LTE B2	QPKS20M	18900	1	50	Left Cheek	1	1	1	24	23.62	-0.03	0.305	0.333
T404	LTE B2	QPKS20M	18900	1	50	Left Tilted	1	1	1	24	23.62	0.06	0.239	0.261
T405	LTE B2	QPKS20M	18900	50	0	Right Cheek	1	1	1	23	22.89	0.01	0.494	0.507
T406	LTE B2	QPKS20M	18900	50	0	Right Tilted	1	1	1	23	22.89	0.03	0.213	0.218
T407	LTE B2	QPKS20M	18900	50	0	Left Cheek	1	1	1	23	22.89	-0.01	0.280	0.287
T408	LTE B2	QPKS20M	18900	50	0	Left Tilted	1	1	1	23	22.89	0.05	0.215	0.221
T409	LTE B2	QPKS20M	18700	1	50	Right Cheek	1	1	1	24	23.59	0.06	0.940	1.033
T410	LTE B2	QPKS20M	19100	1	50	Right Cheek	1	1	1	24	23.56	0.08	0.609	0.674
T411	LTE B2	QPKS20M	18700	1	50	Right Cheek	1	1	2	24	23.59	0.04	0.728	0.800
T412	LTE B2	QPKS20M	18700	1	50	Right Cheek	1	1	3	24	23.59	0.06	**0.944**	1.037
T413	LTE B2	QPKS20M	18700	100	0	Right Cheek	1	1	3	23	22.28	0.03	0.656	0.774
T412-1	LTE B2	QPKS20M	18700	1	50	Right Cheek(1st Repeated)	1	1	3	24	23.59	0.05	0.941	1.034
LTE B2:Additional SAR test(Modem1+Modem2+ WiFi station) (Modem1+ Hotspot on)(Modem1+Modem2+ Hotspot on)														
T0412	LTE B2	QPKS20M	18900	1	50	Right Cheek	1	1	1	20.5	20.07	-0.02	0.435	0.480
T414	LTE B2	QPKS20M	18900	1	50	Right Cheek	2	1	1	24	23.56	-0.02	**1.140**	1.262
T415	LTE B2	QPKS20M	18900	1	50	Right Tilted	2	1	1	24	23.56	0.03	0.794	0.879
T416	LTE B2	QPKS20M	18900	1	50	Left Cheek	2	1	1	24	23.56	0.01	0.545	0.603
T417	LTE B2	QPKS20M	18900	1	50	Left Tilted	2	1	1	24	23.56	0.04	0.393	0.435
T418	LTE B2	QPKS20M	18900	50	0	Right Cheek	2	1	1	23	22.75	-0.05	0.813	0.861
T419	LTE B2	QPKS20M	18900	50	0	Right Tilted	2	1	1	23	22.75	0.08	0.505	0.535
T420	LTE B2	QPKS20M	18900	50	0	Left Cheek	2	1	1	23	22.75	-0.01	0.298	0.316
T421	LTE B2	QPKS20M	18900	50	0	Left Tilted	2	1	1	23	22.75	-0.01	0.239	0.253
T422	LTE B2	QPKS20M	18700	1	50	Right Cheek	2	1	1	24	23.41	-0.02	0.613	0.702
T423	LTE B2	QPKS20M	19100	1	50	Right Cheek	2	1	1	24	23.43	0.04	0.758	0.864
T319	LTE B2	QPKS20M	18700	1	50	Right Tilted	2	1	1	24	23.41	0.02	0.762	0.873
T320	LTE B2	QPKS20M	19100	1	50	Right Tilted	2	1	1	24	23.43	0.05	0.759	0.865
T321	LTE B2	QPKS20M	18700	50	0	Right Cheek	2	1	1	23	22.72	-0.04	0.802	0.855
T322	LTE B2	QPKS20M	19100	50	0	Right Cheek	2	1	1	23	22.65	-0.08	0.798	0.865
T424	LTE B2	QPKS20M	18900	1	50	Right Cheek	2	1	2	24	23.56	-0.02	0.995	1.101
T323	LTE B2	QPKS20M	18900	1	50	Right Cheek	2	1	3	24	23.56	0.02	0.944	1.045
T325	LTE B2	QPKS20M	18700	100	0	Right Cheek	2	1	1	23	22.12	-0.05	0.546	0.669
T414-1	LTE B2	QPKS20M	18900	1	50	Right Cheek(1st Repeated)	2	1	1	24	23.56	0.03	1.080	1.195
LTE B2:Additional SAR test (Modem1+Modem2)(Modem1+WiFi station) (Modem1+Modem2+ WiFi station) (Modem1+Hotspot														