

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26697CH	26865CH	27033CH
1.4MHz	QPSK	1	0	19.70	18.34	18.64	18.48
		1	3	19.70	18.33	18.67	18.45
		1	5	19.70	18.36	18.59	18.24
		3	0	19.70	18.40	18.66	18.39
		3	2	19.70	18.39	18.64	18.37
		3	3	19.70	18.41	18.64	18.38
		6	0	19.70	18.49	18.64	18.39
	16QAM	1	0	19.70	18.49	18.53	18.62
		1	3	19.70	18.62	18.82	18.51
		1	5	19.70	18.66	18.53	18.40
		3	0	19.70	18.58	18.68	18.27
		3	2	19.70	18.56	18.69	18.53
		3	3	19.70	18.57	18.41	18.34
		6	0	19.70	18.44	18.56	18.42
	64QAM	1	0	19.70	18.56	18.71	18.24
		1	3	19.70	18.53	18.60	18.43
		1	5	19.70	18.67	18.56	18.59
		3	0	19.70	18.58	18.71	18.58
		3	2	19.70	18.28	18.61	18.63
		3	3	19.70	18.57	18.54	18.43
		6	0	19.70	18.38	18.64	18.47
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26705CH	26865CH	27025CH
3MHz	QPSK	1	0	19.70	18.39	18.42	18.36
		1	7	19.70	18.35	18.42	18.37
		1	14	19.70	18.40	18.43	18.33
		8	4.46	19.70	18.51	18.48	18.37
		8	4	19.70	18.52	18.48	18.46
		8	7	19.70	18.52	18.49	18.47
		15	0	19.70	18.47	18.48	18.35
	16QAM	1	0	19.70	18.45	18.80	18.41
		1	7	19.70	18.60	18.78	18.29
		1	14	19.70	18.54	18.67	18.50
		8	0	19.70	18.51	18.52	18.44
		8	4	19.70	18.42	18.47	18.53
		8	7	19.70	18.46	18.53	18.48
		15	0	19.70	18.53	18.45	18.34
	64QAM	1	0	19.70	18.62	18.64	18.54
		1	7	19.70	18.50	18.73	18.45
		1	14	19.70	18.50	18.67	18.65
		8	0	19.70	18.57	18.53	18.47
		8	4	19.70	18.63	18.57	18.41
		8	7	19.70	18.57	18.60	18.53
		15	0	19.70	18.30	18.50	18.36

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26715CH	26865CH	27015CH
5MHz	QPSK	1	0	19.70	18.43	18.72	18.39
		1	13	19.70	18.42	18.67	18.39
		1	24	19.70	18.47	18.73	18.40
		12	0	19.70	18.57	18.55	18.41
		12	6	19.70	18.57	18.56	18.40
		12	13	19.70	18.57	18.57	18.44
		25	0	19.70	18.46	18.69	18.37
	16QAM	1	0	19.70	18.75	18.59	18.64
		1	13	19.70	18.82	18.62	18.47
		1	24	19.70	18.86	18.55	18.44
		12	0	19.70	18.59	18.66	18.45
		12	6	19.70	18.55	18.63	18.50
		12	13	19.70	18.56	18.63	18.41
		25	0	19.70	18.52	18.57	18.36
	64QAM	1	0	19.70	18.74	18.67	18.40
		1	13	19.70	18.71	18.47	18.63
		1	24	19.70	18.58	18.39	18.47
		12	0	19.70	18.59	18.66	18.38
		12	6	19.70	18.58	18.66	18.45
		12	13	19.70	18.56	18.67	18.41
		25	0	19.70	18.55	18.66	18.33
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26740CH	26865CH	26990CH
10MHz	QPSK	1	0	19.70	18.49	18.68	18.58
		1	25	19.70	18.57	18.72	18.59
		1	49	19.70	18.40	18.71	18.61
		25	0	19.70	18.55	18.55	18.47
		25	13	19.70	18.55	18.55	18.47
		25	25	19.70	18.61	18.54	18.47
		50	0	19.70	18.48	18.59	18.43
	16QAM	1	0	19.70	18.75	18.85	18.78
		1	25	19.70	18.79	18.75	18.83
		1	49	19.70	18.84	19.04	18.61
		25	0	19.70	18.54	18.51	18.42
		25	13	19.70	18.59	18.57	18.42
		25	25	19.70	18.52	18.56	18.43
		50	0	19.70	18.49	18.42	18.42
	64QAM	1	0	19.70	18.61	18.71	18.51
		1	25	19.70	18.70	18.90	18.56
		1	49	19.70	18.52	18.62	18.79
		25	0	19.70	18.57	18.58	18.49
		25	13	19.70	18.60	18.59	18.48
		25	25	19.70	18.58	18.59	18.42
		50	0	19.70	18.60	18.43	18.44

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26765CH	26865CH	26965CH
15MHz	QPSK	1	0	19.70	18.59	18.47	18.60
		1	38	19.70	18.63	18.49	18.64
		1	74	19.70	18.63	18.51	18.61
		36	0	19.70	18.64	18.55	18.63
		36	18	19.70	18.65	18.55	18.68
		36	39	19.70	18.64	18.56	18.64
		75	0	19.70	18.51	18.64	18.49
	16QAM	1	0	19.70	18.81	18.63	18.87
		1	38	19.70	18.87	18.76	18.69
		1	74	19.70	18.54	18.72	18.71
		36	0	19.70	18.61	18.52	18.59
		36	18	19.70	18.57	18.54	18.62
		36	39	19.70	18.56	18.54	18.59
		75	0	19.70	18.41	18.57	18.40
	64QAM	1	0	19.70	18.66	18.60	18.78
		1	38	19.70	18.53	18.62	18.70
		1	74	19.70	18.58	18.62	18.69
		36	0	19.70	18.61	18.56	18.60
		36	18	19.70	18.59	18.54	18.62
		36	39	19.70	18.63	18.55	18.62
		75	0	19.70	18.48	18.61	18.47

Table 83: Test results conducted power measurement of LTE Band 26 (Reduced Power Level D1)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26697CH	26865CH	27033CH
1.4MHz	QPSK	1	0	21.70	20.43	20.70	20.56
		1	3	21.70	20.39	20.74	20.57
		1	5	21.70	20.41	20.71	20.55
		3	0	21.70	20.46	20.48	20.39
		3	2	21.70	20.45	20.49	20.37
		3	3	21.70	20.47	20.50	20.37
		6	0	21.70	20.60	20.56	20.37
	16QAM	1	0	21.70	20.63	20.68	20.43
		1	3	21.70	20.63	20.72	20.35
		1	5	21.70	20.71	20.45	20.50
		3	0	21.70	20.57	20.56	20.33
		3	2	21.70	20.45	20.56	20.19
		3	3	21.70	20.53	20.46	20.36
		6	0	21.70	20.50	20.40	20.51
	64QAM	1	0	21.70	20.58	20.74	20.59
		1	3	21.70	20.59	20.61	20.72
		1	5	21.70	20.67	20.80	20.52
		3	0	21.70	20.34	20.44	20.30
		3	2	21.70	20.34	20.65	20.50
		3	3	21.70	20.31	20.69	20.58
		6	0	21.70	20.47	20.43	20.31
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26705CH	26865CH	27025CH
3MHz	QPSK	1	0	21.70	20.43	20.46	20.51
		1	7	21.70	20.39	20.49	20.53
		1	14	21.70	20.39	20.51	20.54
		8	0	21.70	20.53	20.49	20.45
		8	4	21.70	20.53	20.49	20.47
		8	7	21.70	20.53	20.47	20.47
		15	0	21.70	20.48	20.47	20.40
	16QAM	1	0	21.70	20.59	20.62	21.00
		1	7	21.70	20.54	20.52	20.58
		1	14	21.70	20.69	20.48	20.41
		8	0	21.70	20.47	20.55	20.44
		8	4	21.70	20.50	20.55	20.42
		8	7	21.70	20.48	20.49	20.35
		15	0	21.70	20.55	20.44	20.35
	64QAM	1	0	21.70	20.39	20.48	20.44
		1	7	21.70	20.59	20.71	20.47
		1	14	21.70	20.44	20.52	20.53
		8	0	21.70	20.55	20.59	20.40
		8	4	21.70	20.51	20.61	20.38
		8	7	21.70	20.52	20.57	20.42
		15	0	21.70	20.48	20.44	20.26

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26715CH	26865CH	27015CH
5MHz	QPSK	1	0	21.70	20.49	20.68	20.69
		1	13	21.70	20.58	20.74	20.70
		1	24	21.70	20.56	20.70	20.63
		12	0	21.70	20.58	20.58	20.57
		12	6	21.70	20.59	20.58	20.62
		12	13	21.70	20.58	20.59	20.57
		25	0	21.70	20.47	20.67	20.39
	16QAM	1	0	21.70	20.68	20.62	20.88
		1	13	21.70	20.67	20.71	20.49
		1	24	21.70	20.78	20.62	20.52
		12	0	21.70	20.56	20.70	20.47
		12	6	21.70	20.57	20.68	20.45
		12	13	21.70	20.57	20.66	20.46
		25	0	21.70	20.52	20.60	20.35
	64QAM	1	0	21.70	20.61	20.51	20.38
		1	13	21.70	20.62	20.57	20.72
		1	24	21.70	20.58	20.53	20.79
		12	0	21.70	20.60	20.68	20.30
		12	6	21.70	20.56	20.69	20.29
		12	13	21.70	20.57	20.64	20.30
		25	0	21.70	20.45	20.68	20.33
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26740CH	26865CH	26990CH
10MHz	QPSK	1	0	21.70	20.60	20.71	20.46
		1	25	21.70	20.58	20.68	20.45
		1	49	21.70	20.58	20.70	20.47
		25	0	21.70	20.56	20.51	20.46
		25	13	21.70	20.56	20.50	20.46
		25	25	21.70	20.56	20.51	20.43
		50	0	21.70	20.48	20.51	20.44
	16QAM	1	0	21.70	20.75	20.69	20.56
		1	25	21.70	20.63	20.84	20.56
		1	49	21.70	20.86	20.85	20.64
		25	0	21.70	20.58	20.54	20.56
		25	13	21.70	20.54	20.58	20.55
		25	25	21.70	20.53	20.57	20.54
		50	0	21.70	20.51	20.47	20.42
	64QAM	1	0	21.70	20.44	20.43	20.57
		1	25	21.70	20.74	20.66	20.58
		1	49	21.70	20.78	20.61	20.54
		25	0	21.70	20.55	20.60	20.44
		25	13	21.70	20.56	20.59	20.46
		25	25	21.70	20.56	20.59	20.45
		50	0	21.70	20.58	20.58	20.32

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26765CH	26865CH	26965CH
15MHz	QPSK	1	0	21.70	20.59	20.53	20.66
		1	38	21.70	20.60	20.54	20.65
		1	74	21.70	20.63	20.53	20.63
		36	0	21.70	20.64	20.55	20.63
		36	18	21.70	20.65	20.61	20.63
		36	39	21.70	20.64	20.57	20.62
		75	0	21.70	20.47	20.66	20.49
	16QAM	1	0	21.70	20.87	20.60	20.56
		1	38	21.70	20.84	20.65	20.82
		1	74	21.70	20.74	20.71	20.86
		36	0	21.70	20.61	20.56	20.61
		36	18	21.70	20.68	20.56	20.60
		36	39	21.70	20.61	20.56	20.61
		75	0	21.70	20.43	20.47	20.53
	64QAM	1	0	21.70	20.63	20.41	20.64
		1	38	21.70	20.64	20.45	20.79
		1	74	21.70	20.77	20.57	20.84
		36	0	21.70	20.62	20.57	20.64
		36	18	21.70	20.61	20.55	20.63
		36	39	21.70	20.63	20.58	20.62
		75	0	21.70	20.47	20.64	20.43

Table 84: Test results conducted power measurement of LTE Band 26 (Reduced Power Level D2)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26697CH	26865CH	27033CH
1.4MHz	QPSK	1	0	16.70	15.35	15.57	15.48
		1	3	16.70	15.38	15.57	15.43
		1	5	16.70	15.39	15.57	15.45
		3	0	16.70	15.41	15.58	15.37
		3	2	16.70	15.41	15.59	15.34
		3	3	16.70	15.39	15.58	15.34
		6	0	16.70	15.42	15.53	15.46
	16QAM	1	0	16.70	15.39	15.65	15.51
		1	3	16.70	15.69	15.85	15.58
		1	5	16.70	15.53	15.45	15.63
		3	0	16.70	15.43	15.54	15.44
		3	2	16.70	15.45	15.53	15.49
		3	3	16.70	15.45	15.29	15.44
		6	0	16.70	15.51	15.49	15.45
	64QAM	1	0	16.70	15.56	15.60	15.35
		1	3	16.70	15.64	15.51	15.22
		1	5	16.70	15.79	15.67	15.17
		3	0	16.70	15.64	15.62	15.53
		3	2	16.70	15.43	15.51	15.51
		3	3	16.70	15.60	15.48	15.36
		6	0	16.70	15.30	15.68	15.46
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26705CH	26865CH	27025CH
3MHz	QPSK	1	0	16.70	15.40	15.40	15.36
		1	7	16.70	15.43	15.41	15.35
		1	14	16.70	15.38	15.43	15.34
		8	0	16.70	15.47	15.50	15.44
		8	4	16.70	15.47	15.48	15.44
		8	7	16.70	15.45	15.52	15.54
		15	0	16.70	15.45	15.50	15.37
	16QAM	1	0	16.70	15.57	15.38	15.50
		1	7	16.70	15.47	15.70	15.78
		1	14	16.70	15.40	15.65	15.37
		8	0	16.70	15.50	15.52	15.42
		8	4	16.70	15.51	15.49	15.41
		8	7	16.70	15.48	15.51	15.45
		15	0	16.70	15.53	15.46	15.29
	64QAM	1	0	16.70	15.57	15.40	15.59
		1	7	16.70	15.54	15.51	15.47
		1	14	16.70	15.61	15.35	15.46
		8	0	16.70	15.53	15.61	15.52
		8	4	16.70	15.48	15.60	15.58
		8	7	16.70	15.58	15.63	15.52
		15	0	16.70	15.49	15.49	15.42

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26715CH	26865CH	27015CH
5MHz	QPSK	1	0	16.70	15.47	15.70	15.40
		1	13	16.70	15.44	15.70	15.37
		1	24	16.70	15.47	15.69	15.37
		12	0	16.70	15.51	15.56	15.41
		12	6	16.70	15.51	15.57	15.43
		12	13	16.70	15.51	15.56	15.41
		25	0	16.70	15.46	15.58	15.37
	16QAM	1	0	16.70	15.56	15.81	15.46
		1	13	16.70	15.69	15.69	15.71
		1	24	16.70	15.73	15.80	15.56
		12	0	16.70	15.58	15.62	15.36
		12	6	16.70	15.59	15.61	15.39
		12	13	16.70	15.62	15.65	15.34
		25	0	16.70	15.49	15.61	15.31
	64QAM	1	0	16.70	15.69	15.55	15.33
		1	13	16.70	15.62	15.60	15.41
		1	24	16.70	15.71	15.50	15.54
		12	0	16.70	15.60	15.71	15.45
		12	6	16.70	15.56	15.61	15.47
		12	13	16.70	15.54	15.67	15.41
		25	0	16.70	15.46	15.62	15.41
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26740CH	26865CH	26990CH
10MHz	QPSK	1	0	16.70	15.45	15.65	15.44
		1	25	16.70	15.47	15.69	15.44
		1	49	16.70	15.46	15.72	15.47
		25	0	16.70	15.50	15.55	15.45
		25	13	16.70	15.50	15.57	15.44
		25	25	16.70	15.49	15.55	15.48
		50	0	16.70	15.44	15.49	15.43
	16QAM	1	0	16.70	15.66	15.81	15.65
		1	25	16.70	15.64	15.87	15.63
		1	49	16.70	15.74	15.93	15.60
		25	0	16.70	15.52	15.52	15.48
		25	13	16.70	15.57	15.50	15.46
		25	25	16.70	15.51	15.51	15.39
		50	0	16.70	15.49	15.45	15.39
	64QAM	1	0	16.70	15.57	15.68	15.51
		1	25	16.70	15.75	15.60	15.56
		1	49	16.70	15.57	15.67	15.62
		25	0	16.70	15.55	15.63	15.43
		25	13	16.70	15.54	15.61	15.43
		25	25	16.70	15.56	15.65	15.42
		50	0	16.70	15.47	15.47	15.44

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26765CH	26865CH	26965CH
15MHz	QPSK	1	0	16.70	15.48	15.48	15.65
		1	38	16.70	15.59	15.48	15.67
		1	74	16.70	15.49	15.48	15.67
		36	0	16.70	15.58	15.57	15.60
		36	18	16.70	15.58	15.55	15.60
		36	39	16.70	15.58	15.55	15.59
		75	0	16.70	15.48	15.51	15.45
	16QAM	1	0	16.70	15.58	15.51	15.64
		1	38	16.70	15.67	15.72	15.85
		1	74	16.70	15.82	15.61	16.00
		36	0	16.70	15.61	15.47	15.57
		36	18	16.70	15.60	15.47	15.65
		36	39	16.70	15.61	15.49	15.55
		75	0	16.70	15.45	15.47	15.40
	64QAM	1	0	16.70	15.69	15.40	15.65
		1	38	16.70	15.77	15.69	15.77
		1	74	16.70	15.57	15.41	15.58
		36	0	16.70	15.63	15.59	15.55
		36	18	16.70	15.63	15.61	15.58
		36	39	16.70	15.61	15.59	15.55
		75	0	16.70	15.42	15.51	15.49

Table 85: Test results conducted power measurement of LTE Band 26 (Reduced Power Level D3)

Note: The Conducted power measurements of LTE Band 26 is measured with RMS detector.

7.1.24 Conducted power measurements of LTE Band 26 (Main Antenna)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26697CH	26865CH	27033CH
1.4MHz	QPSK	1	0	25.20	23.76	23.82	23.57
		1	3	25.20	22.63	23.82	23.54
		1	5	25.20	23.76	23.82	23.39
		3	0	25.20	23.54	23.76	23.38
		3	2	25.20	23.51	23.76	23.49
		3	3	25.20	23.50	23.76	23.45
		6	0	24.20	22.54	22.84	22.66
	16QAM	1	0	24.20	22.72	22.61	22.54
		1	3	24.20	22.70	22.65	22.52
		1	5	24.20	22.76	22.61	22.55
		3	0	24.20	22.48	22.79	22.59
		3	2	24.20	22.48	22.73	22.61
		3	3	24.20	22.57	22.60	22.61
		6	0	23.20	21.54	21.53	21.45
	64QAM	1	0	23.20	21.74	21.61	21.49
		1	3	23.20	21.77	21.72	21.57
		1	5	23.20	21.88	21.68	21.72
		3	0	23.20	21.63	21.73	21.73
		3	2	23.20	21.70	21.52	21.58
		3	3	23.20	21.64	21.74	21.72
		6	0	22.20	20.50	20.66	20.61
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26705CH	26865CH	27025CH
3MHz	QPSK	1	0	25.20	23.46	23.56	23.41
		1	7	25.20	23.49	23.57	23.39
		1	14	25.20	23.45	23.58	23.51
		8	0	24.20	22.55	22.61	22.63
		8	4	24.20	22.56	22.62	22.62
		8	7	24.20	22.54	22.60	22.60
		15	0	24.20	22.53	22.59	22.60
	16QAM	1	0	24.20	22.53	22.70	22.61
		1	7	24.20	22.61	22.81	22.58
		1	14	24.20	22.71	22.84	22.63
		8	0	23.20	21.44	21.61	21.35
		8	4	23.20	21.48	21.60	21.32
		8	7	23.20	21.48	21.57	21.37
		15	0	23.20	21.43	21.56	21.56
	64QAM	1	0	23.20	21.42	21.55	21.64
		1	7	23.20	21.56	21.77	21.59
		1	14	23.20	21.69	21.67	21.55
		8	0	22.20	20.55	20.61	20.41
		8	4	22.20	20.58	20.63	20.42
		8	7	22.20	20.56	20.62	20.46
		15	0	22.20	20.51	20.59	20.64

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26715CH	26865CH	27015CH
5MHz	QPSK	1	0	25.20	23.47	23.62	23.41
		1	13	25.20	23.50	23.57	23.42
		1	24	25.20	23.50	23.61	23.47
		12	0	24.20	22.58	22.72	22.66
		12	6	24.20	22.57	22.72	22.66
		12	13	24.20	22.56	22.73	22.43
		25	0	24.20	22.50	22.76	22.58
	16QAM	1	0	24.20	22.70	22.74	22.69
		1	13	24.20	22.68	22.94	22.76
		1	24	24.20	22.77	22.83	22.69
		12	0	23.20	21.53	21.78	21.45
		12	6	23.20	21.54	21.76	21.50
		12	13	23.20	21.47	21.77	21.42
		25	0	23.20	21.46	21.71	21.36
	64QAM	1	0	23.20	21.63	21.79	21.54
		1	13	23.20	21.66	21.84	21.59
		1	24	23.20	21.81	21.75	21.46
		12	0	22.20	20.60	20.75	20.54
		12	6	22.20	20.59	20.80	20.50
		12	13	22.20	20.58	20.74	20.52
		25	0	22.20	20.45	20.72	20.43
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26750CH	26865CH	26990CH
10MHz	QPSK	1	0	25.20	23.49	23.55	23.51
		1	25	25.20	23.48	23.58	23.65
		1	49	25.20	23.40	23.57	23.62
		25	0	24.20	22.53	22.68	22.53
		25	13	24.20	22.51	22.68	22.53
		25	25	24.20	22.51	22.69	22.52
		50	0	24.20	22.56	22.56	22.48
	16QAM	1	0	24.20	22.56	22.65	22.55
		1	25	24.20	22.58	22.62	22.54
		1	49	24.20	22.43	22.56	22.50
		25	0	23.20	21.46	21.69	21.56
		25	13	23.20	21.48	21.71	21.55
		25	25	23.20	21.46	21.70	21.56
		50	0	23.20	21.51	21.55	21.45
	64QAM	1	0	23.20	21.72	21.71	21.60
		1	25	23.20	21.51	21.61	21.68
		1	49	23.20	21.56	21.58	21.68
		25	0	22.20	20.47	20.73	20.66
		25	13	22.20	20.48	20.70	20.63
		25	25	22.20	20.48	20.74	20.66
		50	0	22.20	20.63	20.65	20.47

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	26765CH	26865CH	26965CH
15MHz	QPSK	1	0	25.20	23.43	23.70	23.67
		1	38	25.20	23.48	23.67	23.67
		1	74	25.20	23.49	23.65	23.68
		36	0	24.20	22.60	22.61	22.58
		36	18	24.20	22.59	22.61	22.58
		36	39	24.20	22.62	22.61	22.57
		75	0	24.20	22.62	22.61	22.47
	16QAM	1	0	24.20	22.61	22.86	22.72
		1	38	24.20	22.42	22.80	22.77
		1	74	24.20	22.53	22.71	22.90
		36	0	23.20	21.49	21.69	21.60
		36	18	23.20	21.50	21.71	21.56
		36	39	23.20	21.52	21.70	21.56
		75	0	23.20	21.48	21.61	21.43
	64QAM	1	0	23.20	21.56	21.70	21.89
		1	38	23.20	21.57	21.80	21.75
		1	74	23.20	21.63	21.75	21.89
		36	0	22.20	20.57	20.79	20.62
		36	18	22.20	20.56	20.76	20.63
		36	39	22.20	20.58	20.77	20.59
		75	0	22.20	20.57	20.69	20.48

Table 86: Test results conducted power measurement of LTE Band 26

Note: The Conducted power measurements of LTE Band 26 is measured with RMS detector

7.1.25 Conducted power measurements of LTE Band 38 (Second Antenna)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37775CH	38000CH	38225CH
5MHz	QPSK	1	0	22.13	21.40	21.37	21.89
		1	13	22.13	21.69	21.56	21.67
		1	24	22.13	21.48	21.38	21.59
		12	0	21.13	20.40	20.41	20.49
		12	6	21.13	20.42	20.35	20.46
		12	13	21.13	20.46	20.26	20.44
		25	0	21.13	20.34	20.37	20.70
	16QAM	1	0	21.13	20.70	20.49	20.57
		1	13	21.13	20.66	20.70	20.54
		1	24	21.13	20.52	20.51	20.51
		12	0	20.13	19.32	19.42	19.43
		12	6	20.13	19.36	19.38	19.40
		12	13	20.13	19.58	19.30	19.41
		25	0	20.13	19.33	19.31	19.54
	64QAM	1	0	20.13	19.50	19.70	19.60
		1	13	20.13	19.40	19.60	19.52
		1	24	20.13	19.49	19.48	19.36
		12	0	19.13	18.47	18.46	18.34
		12	6	19.13	18.44	18.34	18.43
		12	13	19.13	18.28	18.31	18.31
		25	0	19.13	18.41	18.40	18.55
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37800CH	38000CH	38200CH
10MHz	QPSK	1	0	22.13	21.51	21.45	21.63
		1	25	22.13	21.57	21.42	21.68
		1	49	22.13	21.59	21.58	21.60
		25	0	21.13	20.48	20.44	20.67
		25	13	21.13	20.43	20.39	20.55
		25	25	21.13	20.56	20.51	20.63
		50	0	21.13	20.64	20.39	20.63
	16QAM	1	0	21.13	20.47	20.66	20.45
		1	25	21.13	20.48	20.51	20.41
		1	49	21.13	20.55	20.68	20.48
		25	0	20.13	19.46	19.34	19.62
		25	13	20.13	19.40	19.31	19.62
		25	25	20.13	19.45	19.31	19.70
		50	0	20.13	19.32	19.34	19.60
	64QAM	1	0	20.13	19.31	19.26	19.20
		1	25	20.13	19.24	19.35	19.34
		1	49	20.13	19.16	19.48	19.39
		25	0	19.13	18.52	18.42	18.30
		25	13	19.13	18.44	18.39	18.55
		25	25	19.13	18.27	18.38	18.21
		50	0	19.13	18.49	18.28	18.32

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37825CH	38000CH	38175CH
15MHz	QPSK	1	0	22.13	21.41	21.39	21.51
		1	38	22.13	21.48	21.50	21.73
		1	74	22.13	21.49	21.55	21.63
		36	0	21.13	20.53	20.49	20.65
		36	18	21.13	20.59	20.43	20.58
		36	39	21.13	20.40	20.59	20.53
		75	0	21.13	20.46	20.40	20.60
	16QAM	1	0	21.13	20.43	20.25	20.43
		1	38	21.13	20.42	20.37	20.49
		1	74	21.13	20.63	20.52	20.48
		36	0	20.13	19.37	19.44	19.64
		36	18	20.13	19.51	19.32	19.56
		36	39	20.13	19.29	19.44	19.51
		75	0	20.13	19.39	19.33	19.51
	64QAM	1	0	20.13	19.36	19.24	19.19
		1	38	20.13	19.26	19.11	19.48
		1	74	20.13	19.43	19.46	19.46
		36	0	19.13	18.26	18.48	18.47
		36	18	19.13	18.19	18.32	18.39
		36	39	19.13	18.38	18.37	18.27
		75	0	19.13	18.45	18.19	18.23
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37850CH	38000CH	38150CH
20MHz	QPSK	1	0	22.13	21.83	21.71	21.69
		1	50	22.13	21.37	21.60	21.60
		1	99	22.13	21.66	21.70	21.63
		50	0	21.13	20.48	20.51	20.53
		50	25	21.13	20.47	20.39	20.51
		50	50	21.13	20.41	20.55	20.54
		100	0	21.13	20.44	20.42	20.57
	16QAM	1	0	21.13	20.49	20.70	20.38
		1	50	21.13	20.43	20.44	20.54
		1	99	21.13	20.56	20.78	20.63
		50	0	20.13	19.36	19.46	19.40
		50	25	20.13	19.35	19.34	19.46
		50	50	20.13	19.48	19.46	19.46
		100	0	20.13	19.34	19.36	19.49
	64QAM	1	0	20.13	19.17	19.21	19.29
		1	50	20.13	19.45	19.38	19.33
		1	99	20.13	19.34	19.49	19.51
		50	0	19.13	18.43	18.30	18.22
		50	25	19.13	18.57	18.52	18.53
		50	50	19.13	18.62	18.69	18.70
		100	0	19.13	18.58	18.60	18.53

Table 87: Test results conducted power measurement of LTE Band 38 (Full Power)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37775CH	38000CH	38225CH
5MHz	QPSK	1	0	18.13	17.59	17.54	17.64
		1	13	18.13	17.62	17.51	17.52
		1	24	18.13	17.61	17.58	17.62
		12	0	18.13	17.45	17.57	17.62
		12	6	18.13	17.43	17.54	17.57
		12	13	18.13	17.58	17.55	17.58
		25	0	18.13	17.67	17.41	17.52
	16QAM	1	0	18.13	17.53	17.63	17.43
		1	13	18.13	17.49	17.57	17.68
		1	24	18.13	17.73	17.71	17.69
		12	0	18.13	17.48	17.53	17.49
		12	6	18.13	17.57	17.46	17.47
		12	13	18.13	17.58	17.40	17.55
		25	0	18.13	17.53	17.39	17.60
	64QAM	1	0	18.13	17.51	17.89	17.65
		1	13	18.13	17.48	17.54	17.63
		1	24	18.13	17.44	17.42	17.54
		12	0	18.13	17.48	17.46	17.43
		12	6	18.13	17.49	17.48	17.44
		12	13	18.13	17.39	17.38	17.36
		25	0	18.13	17.39	17.53	17.46
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37800CH	38000CH	38200CH
10MHz	QPSK	1	0	18.13	17.68	17.57	17.74
		1	25	18.13	17.40	17.46	17.58
		1	49	18.13	17.70	17.67	17.57
		25	0	18.13	17.49	17.61	17.49
		25	13	18.13	17.52	17.60	17.76
		25	25	18.13	17.38	17.56	17.80
		50	0	18.13	17.46	17.56	17.51
	16QAM	1	0	18.13	17.44	17.54	17.72
		1	25	18.13	17.42	17.65	17.56
		1	49	18.13	17.64	17.58	17.44
		25	0	18.13	17.39	17.49	17.68
		25	13	18.13	17.57	17.44	17.64
		25	25	18.13	17.50	17.40	17.56
		50	0	18.13	17.50	17.44	17.67
	64QAM	1	0	18.13	17.38	17.33	17.39
		1	25	18.13	17.36	17.38	17.41
		1	49	18.13	17.31	17.42	17.43
		25	0	18.13	17.45	17.49	17.48
		25	13	18.13	17.42	17.44	17.48
		25	25	18.13	17.46	17.48	17.38
		50	0	18.13	17.48	17.39	17.36

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37825CH	38000CH	38175CH
15MHz	QPSK	1	0	18.13	17.62	17.61	17.63
		1	38	18.13	17.66	17.48	17.49
		1	74	18.13	17.42	17.45	17.59
		36	0	18.13	17.59	17.55	17.77
		36	18	18.13	17.64	17.62	17.73
		36	39	18.13	17.70	17.58	17.61
		75	0	18.13	17.67	17.54	17.78
	16QAM	1	0	18.13	17.60	17.37	17.59
		1	38	18.13	17.57	17.34	17.56
		1	74	18.13	17.50	17.40	17.65
		36	0	18.13	17.57	17.53	17.65
		36	18	18.13	17.50	17.43	17.60
		36	39	18.13	17.34	17.30	17.68
		75	0	18.13	17.51	17.47	17.63
	64QAM	1	0	18.13	17.33	17.32	17.39
		1	38	18.13	17.36	17.24	17.45
		1	74	18.13	17.48	17.42	17.48
		36	0	18.13	17.46	17.45	17.44
		36	18	18.13	17.28	17.45	17.43
		36	39	18.13	17.29	17.45	17.44
		75	0	18.13	17.36	17.38	17.31
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37850CH	38000CH	38150CH
20MHz	QPSK	1	0	18.13	17.75	17.59	17.69
		1	50	18.13	17.30	17.56	17.41
		1	99	18.13	17.76	17.68	17.75
		50	0	18.13	17.56	17.65	17.71
		50	25	18.13	17.59	17.57	17.70
		50	50	18.13	17.53	17.55	17.60
		100	0	18.13	17.73	17.60	17.69
	16QAM	1	0	18.13	17.55	17.75	17.64
		1	50	18.13	17.29	17.51	17.60
		1	99	18.13	17.77	17.95	17.95
		50	0	18.13	17.56	17.56	17.56
		50	25	18.13	17.51	17.42	17.54
		50	50	18.13	17.57	17.32	17.54
		100	0	18.13	17.47	17.43	17.66
	64QAM	1	0	18.13	17.25	17.26	17.39
		1	50	18.13	17.45	17.35	17.38
		1	99	18.13	17.44	17.66	17.58
		50	0	18.13	17.45	17.36	17.38
		50	25	18.13	17.55	17.58	17.66
		50	50	18.13	17.56	17.80	17.60
		100	0	18.13	17.60	17.70	17.72

Table 88: Test results conducted power measurement of LTE Band 38 (Reduced Power Level D1)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37775CH	38000CH	38225CH
5MHz	QPSK	1	0	19.13	18.64	18.59	18.69
		1	13	19.13	18.65	18.51	18.56
		1	24	19.13	18.62	18.61	18.63
		12	0	19.13	18.47	18.58	18.63
		12	6	19.13	18.44	18.60	18.58
		12	13	19.13	18.59	18.60	18.58
		25	0	19.13	18.73	18.42	18.55
	16QAM	1	0	19.13	18.54	18.64	18.46
		1	13	19.13	18.52	18.59	18.70
		1	24	19.13	18.78	18.74	18.69
		12	0	19.13	18.54	18.54	18.54
		12	6	19.13	18.61	18.50	18.49
		12	13	19.13	18.62	18.44	18.55
		25	0	19.13	18.55	18.44	18.65
	64QAM	1	0	19.13	18.56	18.89	18.65
		1	13	19.13	18.50	18.59	18.69
		1	24	19.13	18.44	18.48	18.60
		12	0	19.13	18.51	18.51	18.48
		12	6	19.13	18.52	18.50	18.48
		12	13	19.13	18.41	18.38	18.39
		25	0	19.13	18.42	18.57	18.49
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37800CH	38000CH	38200CH
10MHz	QPSK	1	0	19.13	18.73	18.59	18.80
		1	25	19.13	18.44	18.48	18.60
		1	49	19.13	18.74	18.71	18.58
		25	0	19.13	18.49	18.67	18.53
		25	13	19.13	18.55	18.60	18.77
		25	25	19.13	18.42	18.57	18.85
		50	0	19.13	18.47	18.60	18.55
	16QAM	1	0	19.13	18.46	18.54	18.75
		1	25	19.13	18.47	18.68	18.59
		1	49	19.13	18.69	18.60	18.44
		25	0	19.13	18.44	18.53	18.74
		25	13	19.13	18.61	18.48	18.68
		25	25	19.13	18.56	18.41	18.56
		50	0	19.13	18.50	18.50	18.72
	64QAM	1	0	19.13	18.40	18.34	18.44
		1	25	19.13	18.41	18.41	18.43
		1	49	19.13	18.36	18.45	18.47
		25	0	19.13	18.49	18.51	18.50
		25	13	19.13	18.46	18.46	18.49
		25	25	19.13	18.51	18.50	18.39
		50	0	19.13	18.48	18.40	18.40

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37825CH	38000CH	38175CH
15MHz	QPSK	1	0	19.13	18.66	18.61	18.67
		1	38	19.13	18.69	18.48	18.55
		1	74	19.13	18.47	18.46	18.63
		36	0	19.13	18.60	18.58	18.78
		36	18	19.13	18.69	18.66	18.75
		36	39	19.13	18.73	18.63	18.67
		75	0	19.13	18.67	18.58	18.83
	16QAM	1	0	19.13	18.62	18.38	18.62
		1	38	19.13	18.59	18.37	18.58
		1	74	19.13	18.54	18.41	18.70
		36	0	19.13	18.62	18.57	18.66
		36	18	19.13	18.50	18.45	18.60
		36	39	19.13	18.40	18.31	18.69
		75	0	19.13	18.54	18.47	18.65
	64QAM	1	0	19.13	18.34	18.32	18.39
		1	38	19.13	18.38	18.29	18.51
		1	74	19.13	18.51	18.44	18.53
		36	0	19.13	18.48	18.49	18.47
		36	18	19.13	18.34	18.51	18.48
		36	39	19.13	18.35	18.51	18.45
		75	0	19.13	18.40	18.40	18.33
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37850CH	38000CH	38150CH
20MHz	QPSK	1	0	19.13	18.78	18.59	18.72
		1	50	19.13	18.34	18.60	18.43
		1	99	19.13	18.81	18.59	18.79
		50	0	19.13	18.61	18.65	18.74
		50	25	19.13	18.62	18.63	18.76
		50	50	19.13	18.54	18.56	18.63
		100	0	19.13	18.74	18.63	18.70
	16QAM	1	0	19.13	18.56	18.81	18.69
		1	50	19.13	18.33	18.52	18.65
		1	99	19.13	18.79	18.96	19.01
		50	0	19.13	18.59	18.59	18.62
		50	25	19.13	18.57	18.46	18.58
		50	50	19.13	18.58	18.36	18.60
		100	0	19.13	18.52	18.48	18.67
	64QAM	1	0	19.13	18.26	18.28	18.42
		1	50	19.13	18.51	18.40	18.39
		1	99	19.13	18.49	18.66	18.60
		50	0	19.13	18.50	18.36	18.39
		50	25	19.13	18.60	18.59	18.71
		50	50	19.13	18.61	18.84	18.61
		100	0	19.13	18.65	18.76	18.76

Table 89: Test results conducted power measurement of LTE Band 38 (Reduced Power Level D2)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37775CH	38000CH	38225CH
5MHz	QPSK	1	0	15.13	14.47	14.36	14.99
		1	13	15.13	14.68	14.39	14.76
		1	24	15.13	14.41	14.31	14.64
		12	0	15.13	13.25	13.26	13.43
		12	6	15.13	14.49	14.30	14.28
		12	13	15.13	14.47	14.27	14.44
		25	0	15.13	14.29	14.45	14.58
	16QAM	1	0	15.13	14.68	14.50	14.48
		1	13	15.13	14.53	14.61	14.57
		1	24	15.13	14.58	14.56	14.58
		12	0	15.13	14.20	14.41	14.32
		12	6	15.13	14.20	14.43	14.47
		12	13	15.13	14.62	14.38	14.26
		25	0	15.13	14.28	14.37	14.44
	64QAM	1	0	15.13	14.57	14.71	14.62
		1	13	15.13	14.50	14.50	14.52
		1	24	15.13	14.32	14.29	14.42
		12	0	15.13	14.52	14.37	14.26
		12	6	15.13	14.50	14.36	14.29
		12	13	15.13	14.18	14.19	14.17
		25	0	15.13	14.49	14.21	14.41
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37800CH	38000CH	38200CH
10MHz	QPSK	1	0	15.13	14.34	14.28	14.71
		1	25	15.13	14.54	14.36	14.61
		1	49	15.13	14.57	14.41	14.57
		25	0	15.13	13.34	13.47	13.77
		25	13	15.13	14.41	14.39	14.36
		25	25	15.13	14.50	14.53	14.64
		50	0	15.13	14.73	14.41	14.51
	16QAM	1	0	15.13	14.37	14.49	14.44
		1	25	15.13	14.57	14.52	14.31
		1	49	15.13	14.42	14.54	14.57
		25	0	15.13	14.56	14.37	14.67
		25	13	15.13	14.20	14.34	14.55
		25	25	15.13	14.28	14.36	14.75
		50	0	15.13	14.23	14.33	14.47
	64QAM	1	0	15.13	14.17	14.33	14.12
		1	25	15.13	14.28	14.45	14.15
		1	49	15.13	13.98	14.30	14.28
		25	0	15.13	14.51	14.36	14.27
		25	13	15.13	14.37	14.43	14.48
		25	25	15.13	14.35	14.42	14.05
		50	0	15.13	14.49	14.28	14.35

Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 37825CH	Channel 38000CH	Channel 38175CH
15MHz	QPSK	1	0	15.13	14.28	14.43	14.40
		1	38	15.13	14.53	14.34	14.77
		1	74	15.13	14.30	14.61	14.43
		36	0	15.13	13.57	13.47	13.56
		36	18	15.13	14.42	14.31	14.47
		36	39	15.13	14.42	14.40	14.59
		75	0	15.13	14.53	14.42	14.62
	16QAM	1	0	15.13	14.44	14.09	14.45
		1	38	15.13	14.39	14.21	14.41
		1	74	15.13	14.52	14.48	14.56
		36	0	15.13	14.37	14.47	14.50
		36	18	15.13	14.48	14.36	14.41
		36	39	15.13	14.11	14.33	14.52
		75	0	15.13	14.47	14.21	14.58
	64QAM	1	0	15.13	14.30	14.28	14.18
		1	38	15.13	14.29	14.12	14.48
		1	74	15.13	14.41	14.47	14.49
		36	0	15.13	14.23	14.29	14.57
		36	18	15.13	14.03	14.14	14.30
		36	39	15.13	14.43	14.29	14.21
		75	0	15.13	14.50	14.25	14.08
Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 37850CH	Channel 38000CH	Channel 38150CH
20MHz	QPSK	1	0	15.13	14.73	14.69	14.69
		1	50	15.13	14.36	14.68	14.68
		1	99	15.13	14.73	14.71	14.75
		50	0	15.13	13.35	13.44	13.38
		50	25	15.13	14.27	14.33	14.59
		50	50	15.13	14.28	14.38	14.49
		100	0	15.13	14.51	14.46	14.41
	16QAM	1	0	15.13	14.57	14.65	14.38
		1	50	15.13	14.49	14.51	14.53
		1	99	15.13	14.53	14.76	14.61
		50	0	15.13	14.24	14.48	14.22
		50	25	15.13	14.33	14.41	14.50
		50	50	15.13	14.45	14.36	14.45
		100	0	15.13	14.18	14.29	14.46
	64QAM	1	0	15.13	13.99	14.08	14.38
		1	50	15.13	14.31	14.33	14.29
		1	99	15.13	14.26	14.42	14.51
		50	0	15.13	14.47	14.37	14.17
		50	25	15.13	14.38	14.33	14.57
		50	50	15.13	14.47	14.53	14.77
		100	0	15.13	14.57	14.51	14.36

Table 90: Test results conducted power measurement of LTE Band 38 (Reduced Power Level D3)

Note: The Conducted power measurements of LTE Band 38 is measured with RMS detector.

7.1.26 Conducted power measurements of LTE Band 38 (Main Antenna)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37775CH	38000CH	38225CH
5MHz	QPSK	1	0	23.63	23.40	23.15	23.27
		1	13	23.63	23.37	23.27	23.25
		1	24	23.63	23.21	23.12	23.31
		12	0	22.63	22.30	22.18	22.11
		12	6	22.63	22.29	22.12	22.09
		12	13	22.63	22.07	22.08	22.14
		25	0	22.63	22.10	22.08	21.88
	16QAM	1	0	22.63	21.94	22.12	22.05
		1	13	22.63	21.66	21.81	21.95
		1	24	22.63	21.97	21.97	21.71
		12	0	21.63	21.21	20.95	21.12
		12	6	21.63	21.01	21.04	21.00
		12	13	21.63	21.18	21.02	21.14
		25	0	21.63	21.11	20.95	20.95
	64QAM	1	0	21.63	20.86	20.74	20.84
		1	13	21.63	20.76	20.89	20.94
		1	24	21.63	20.86	20.90	20.60
		12	0	20.63	19.87	20.10	19.86
		12	6	20.63	19.65	19.77	19.80
		12	13	20.63	20.01	19.92	19.59
		25	0	20.63	20.11	19.92	19.91
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37800CH	38000CH	38200CH
10MHz	QPSK	1	0	23.63	23.34	23.27	23.23
		1	25	23.63	23.14	23.18	23.26
		1	49	23.63	23.17	22.98	23.35
		25	0	22.63	22.03	22.03	22.32
		25	13	22.63	22.18	21.99	22.23
		25	25	22.63	21.95	21.83	22.15
		50	0	22.63	21.85	21.78	22.05
	16QAM	1	0	22.63	21.96	21.94	22.00
		1	25	22.63	21.65	21.71	22.06
		1	49	22.63	21.68	21.71	21.98
		25	0	21.63	21.08	20.95	21.07
		25	13	21.63	21.01	21.15	21.11
		25	25	21.63	21.00	20.99	21.10
		50	0	21.63	20.64	20.93	21.14
	64QAM	1	0	21.63	20.84	20.85	20.84
		1	25	21.63	20.68	20.81	20.93
		1	49	21.63	20.69	20.66	20.72
		25	0	20.63	20.01	19.88	19.93
		25	13	20.63	19.55	19.76	19.92
		25	25	20.63	19.81	19.59	19.96
		50	0	20.63	18.89	18.72	19.01

Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 37825CH	Channel 38000CH	Channel 38175CH
15MHz	QPSK	1	0	23.63	23.15	23.26	23.10
		1	38	23.63	23.38	23.28	23.17
		1	74	23.63	23.17	23.28	23.35
		36	0	22.63	22.12	21.97	22.01
		36	18	22.63	22.29	21.86	22.18
		36	39	22.63	22.21	22.02	22.09
		75	0	22.63	22.04	22.06	21.99
	16QAM	1	0	22.63	22.03	21.70	22.18
		1	38	22.63	22.17	21.73	21.69
		1	74	22.63	21.77	21.79	21.98
		36	0	21.63	21.00	20.99	21.06
		36	18	21.63	21.20	21.12	21.01
		36	39	21.63	21.10	20.98	21.17
		75	0	21.63	20.81	20.86	20.85
	64QAM	1	0	21.63	20.84	20.81	21.06
		1	38	21.63	21.07	20.90	20.75
		1	74	21.63	20.65	20.77	20.87
		36	0	20.63	19.99	19.84	20.10
		36	18	20.63	20.12	19.80	19.80
		36	39	20.63	19.62	19.76	19.80
		75	0	20.63	18.87	18.89	18.89
Bandwidth	Modulation	RB size	RB offset	Tune-up Max.	Channel 37850CH	Channel 38000CH	Channel 38150CH
20MHz	QPSK	1	0	23.63	23.44	23.23	23.31
		1	50	23.63	23.18	23.22	23.15
		1	99	23.63	23.18	23.24	23.33
		50	0	22.63	22.22	22.10	22.11
		50	25	22.63	21.84	22.24	22.02
		50	50	22.63	22.33	22.00	22.12
		100	0	22.63	22.34	22.12	22.07
	16QAM	1	0	22.63	21.86	22.15	21.93
		1	50	22.63	22.00	21.66	21.87
		1	99	22.63	22.10	21.94	22.07
		50	0	21.63	21.08	20.95	21.05
		50	25	21.63	20.95	21.03	20.93
		50	50	21.63	21.10	21.08	21.04
		100	0	21.63	21.02	20.80	20.90
	64QAM	1	0	21.63	20.78	21.06	20.94
		1	50	21.63	20.91	20.96	20.94
		1	99	21.63	20.98	20.87	20.90
		50	0	20.63	19.81	19.97	19.93
		50	25	20.63	19.90	19.71	19.71
		50	50	20.63	19.97	20.01	20.06
		100	0	20.63	19.08	18.81	18.95

Table 91: Test results conducted power measurement of LTE Band 38 (Full Power)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37775CH	38000CH	38225CH
5MHz	QPSK	1	0	22.63	22.43	22.34	22.35
		1	13	22.63	22.40	22.42	22.41
		1	24	22.63	22.37	22.25	22.34
		12	0	22.63	22.42	22.28	22.15
		12	6	22.63	22.35	22.15	22.22
		12	13	22.63	22.08	22.21	22.24
		25	0	22.63	22.15	22.14	21.91
	16QAM	1	0	22.63	22.08	22.14	22.21
		1	13	22.63	21.81	21.96	22.06
		1	24	22.63	22.07	22.14	21.81
		12	0	21.63	21.33	21.14	21.15
		12	6	21.63	21.14	21.19	21.12
		12	13	21.63	21.26	21.07	21.17
		25	0	21.63	21.27	21.04	20.96
	64QAM	1	0	21.63	21.06	20.87	20.93
		1	13	21.63	20.88	20.93	20.97
		1	24	21.63	20.88	20.92	20.66
		12	0	20.63	20.06	20.13	20.03
		12	6	20.63	19.71	19.81	19.98
		12	13	20.63	20.01	19.99	19.65
		25	0	20.63	20.25	19.96	20.11
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37800CH	38000CH	38200CH
10MHz	QPSK	1	0	22.63	22.37	22.33	22.41
		1	25	22.63	22.29	22.32	22.41
		1	49	22.63	22.30	22.18	22.37
		25	0	22.63	22.13	22.20	22.35
		25	13	22.63	22.18	22.17	22.27
		25	25	22.63	22.03	21.98	22.30
		50	0	22.63	21.89	21.96	22.10
	16QAM	1	0	22.63	22.08	22.12	22.10
		1	25	22.63	21.79	21.89	22.24
		1	49	22.63	21.87	21.82	22.10
		25	0	21.63	21.12	21.11	21.14
		25	13	21.63	21.03	21.20	21.22
		25	25	21.63	21.08	21.05	21.11
		50	0	21.63	20.83	21.05	21.17
	64QAM	1	0	21.63	20.90	21.02	20.98
		1	25	21.63	20.81	20.86	21.09
		1	49	21.63	20.70	20.66	20.86
		25	0	20.63	20.07	19.92	20.00
		25	13	20.63	19.72	19.84	20.10
		25	25	20.63	19.84	19.63	20.02
		50	0	20.63	18.94	18.91	19.06

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37825CH	38000CH	38175CH
15MHz	QPSK	1	0	22.63	22.32	22.33	22.29
		1	38	22.63	22.41	22.29	22.34
		1	74	22.63	22.35	22.30	22.37
		36	0	22.63	22.17	22.12	22.16
		36	18	22.63	22.33	22.00	22.33
		36	39	22.63	22.34	22.15	22.14
		75	0	22.63	22.04	22.10	22.09
	16QAM	1	0	22.63	22.23	21.89	22.30
		1	38	22.63	22.30	21.91	21.87
		1	74	22.63	21.83	21.94	22.03
		36	0	21.63	21.16	21.09	21.16
		36	18	21.63	21.23	21.12	21.13
		36	39	21.63	21.12	21.12	21.21
		75	0	21.63	20.93	20.87	20.89
	64QAM	1	0	21.63	21.03	20.82	21.07
		1	38	21.63	21.16	20.97	20.92
		1	74	21.63	20.77	20.88	20.95
		36	0	20.63	20.14	19.88	20.13
		36	18	20.63	20.27	19.81	19.85
		36	39	20.63	19.65	19.88	19.96
		75	0	20.63	19.03	18.95	19.05
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37850CH	38000CH	38150CH
20MHz	QPSK	1	0	22.63	22.36	22.30	22.42
		1	50	22.63	22.23	22.36	22.28
		1	99	22.63	22.36	22.37	22.43
		50	0	22.63	22.14	22.24	22.21
		50	25	22.63	22.00	22.28	22.20
		50	50	22.63	22.17	22.29	22.35
		100	0	22.63	22.34	22.16	22.21
	16QAM	1	0	22.63	21.96	22.29	22.02
		1	50	22.63	22.01	21.82	21.94
		1	99	22.63	22.13	22.10	22.15
		50	0	21.63	21.21	21.07	21.19
		50	25	21.63	21.08	21.08	21.10
		50	50	21.63	21.13	21.10	21.12
		100	0	21.63	21.19	20.97	21.05
	64QAM	1	0	21.63	20.87	21.18	21.01
		1	50	21.63	21.03	20.97	20.99
		1	99	21.63	21.06	20.95	21.10
		50	0	20.63	19.82	20.14	20.01
		50	25	20.63	19.99	19.71	19.80
		50	50	20.63	20.10	20.07	20.08
		100	0	20.63	19.18	19.00	19.11

Table 92: Test results conducted power measurement of LTE Band 38 (Reduced Power Level D3/D4/D5/D6)

Note: The Conducted power measurements of LTE Band 38 is measured with RMS detector.

7.1.27 Conducted power measurements of LTE Band 41 (Second Antenna)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40065CH	40448CH	40832CH	41215CH
5MHz	QPSK	1	0	22.33	21.47	21.62	21.70	21.48
		1	13	22.33	21.58	21.67	21.76	21.49
		1	24	22.33	21.38	21.52	21.65	21.51
		12	0	21.33	20.63	20.56	20.74	20.70
		12	6	21.33	20.60	20.48	20.57	20.65
		12	13	21.33	20.37	20.69	20.56	20.41
		25	0	21.33	20.58	20.43	20.75	20.70
	16QAM	1	0	21.33	20.64	20.48	20.64	20.77
		1	13	21.33	20.60	20.76	20.61	20.70
		1	24	21.33	20.49	20.46	20.56	20.60
		12	0	20.33	19.34	19.39	19.69	19.36
		12	6	20.33	19.33	19.33	19.53	19.36
		12	13	20.33	19.36	19.55	19.62	19.42
		25	0	20.33	19.28	19.57	19.71	19.31
	64QAM	1	0	20.33	19.65	19.64	19.30	19.58
		1	13	20.33	19.43	19.38	19.27	19.46
		1	24	20.33	19.61	19.61	19.65	19.65
		12	0	19.33	18.88	18.85	18.82	18.74
		12	6	19.33	19.07	18.67	18.77	18.65
		12	13	19.33	18.87	18.72	18.86	18.92
		25	0	19.33	19.00	18.81	18.59	18.85
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40090CH	40457CH	40823CH	41190CH
10MHz	QPSK	1	0	22.33	21.50	21.59	21.53	21.44
		1	25	22.33	21.41	21.52	21.79	21.39
		1	49	22.33	21.40	21.34	21.50	21.56
		25	0	21.33	20.43	20.43	20.51	20.47
		25	13	21.33	20.37	20.61	20.54	20.41
		25	25	21.33	20.39	20.52	20.49	20.51
		50	0	21.33	20.56	20.56	20.51	20.42
	16QAM	1	0	21.33	20.32	20.34	20.72	20.43
		1	25	21.33	20.15	20.26	20.67	20.41
		1	49	21.33	20.33	20.35	20.76	20.72
		25	0	20.33	19.38	19.26	19.45	19.36
		25	13	20.33	19.31	19.25	19.48	19.30
		25	25	20.33	19.23	19.36	19.46	19.30
		50	0	20.33	19.39	19.53	19.69	19.32
	64QAM	1	0	20.33	19.48	19.47	19.67	19.60
		1	25	20.33	19.18	19.15	19.65	19.36
		1	49	20.33	19.18	19.02	19.86	19.37
		25	0	19.33	18.92	18.58	18.79	18.68
		25	13	19.33	18.46	18.83	18.64	18.65
		25	25	19.33	18.67	18.71	18.58	18.77
		50	0	19.33	18.60	18.95	18.95	18.93

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40115CH	40465CH	40815CH	41165CH
15MHz	QPSK	1	0	22.33	21.43	21.32	21.41	21.46
		1	38	22.33	21.47	21.49	21.75	21.47
		1	74	22.33	21.40	21.29	21.55	21.66
		36	0	21.33	20.50	20.65	20.54	20.62
		36	18	21.33	20.37	20.61	20.53	20.53
		36	39	21.33	20.42	20.37	20.60	20.52
		75	0	21.33	20.40	20.67	20.46	20.64
	16QAM	1	0	21.33	20.52	20.39	20.23	20.46
		1	38	21.33	20.40	20.57	20.38	20.47
		1	74	21.33	20.40	20.52	20.29	20.58
		36	0	20.33	19.34	19.30	19.43	19.39
		36	18	20.33	19.43	19.26	19.47	19.38
		36	39	20.33	19.49	19.45	19.50	19.33
		75	0	20.33	19.26	19.29	19.64	19.36
	64QAM	1	0	20.33	19.47	19.38	19.26	19.30
		1	38	20.33	19.02	19.40	19.50	19.72
		1	74	20.33	19.30	19.19	19.26	19.35
		36	0	19.33	19.03	18.82	18.92	18.63
		36	18	19.33	19.02	18.89	18.85	18.62
		36	39	19.33	18.95	18.65	18.61	18.51
		75	0	19.33	19.17	18.78	18.57	18.47
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40140CH	40473CH	40807CH	41140CH
20MHz	QPSK	1	0	22.33	21.54	21.53	21.59	21.78
		1	50	22.33	21.30	21.48	21.53	21.35
		1	99	22.33	21.49	21.68	21.66	21.73
		50	0	21.33	20.44	20.44	20.49	20.45
		50	25	21.33	20.35	20.57	20.48	20.33
		50	50	21.33	20.53	20.48	20.59	20.47
		100	0	21.33	20.40	20.67	20.70	20.63
	16QAM	1	0	21.33	20.57	20.47	20.58	20.73
		1	50	21.33	20.28	20.55	20.56	20.37
		1	99	21.33	20.47	20.49	20.71	20.67
		50	0	20.33	19.36	19.31	19.46	19.41
		50	25	20.33	19.24	19.22	19.44	19.33
		50	50	20.33	19.38	19.43	19.62	19.41
		100	0	20.33	19.29	19.27	19.63	19.37
	64QAM	1	0	20.33	19.24	19.49	19.67	19.49
		1	50	20.33	19.13	19.32	19.62	19.10
		1	99	20.33	19.64	19.48	19.72	19.43
		50	0	19.33	19.12	18.93	18.95	18.86
		50	25	19.33	18.95	18.82	18.74	18.79
		50	50	19.33	19.05	18.84	18.77	18.60
		100	0	19.33	19.16	18.84	18.85	18.59

Table 93: Test results conducted power measurement of LTE Band 41 (Full Power)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40065CH	40448CH	40832CH	41215CH
5MHz	QPSK	1	0	18.33	17.51	17.45	17.78	17.59
		1	13	18.33	17.48	17.46	17.83	17.64
		1	24	18.33	17.36	17.55	17.73	17.69
		12	0	18.33	17.61	17.55	17.79	17.73
		12	6	18.33	17.56	17.65	17.55	17.70
		12	13	18.33	17.46	17.42	17.74	17.48
		25	0	18.33	17.46	17.52	17.80	17.67
	16QAM	1	0	18.33	17.55	17.65	17.72	17.82
		1	13	18.33	17.51	17.67	17.74	17.62
		1	24	18.33	17.54	17.65	17.65	17.69
		12	0	18.33	17.31	17.56	17.68	17.42
		12	6	18.33	17.27	17.50	17.48	17.40
		12	13	18.33	17.41	17.36	17.54	17.39
		25	0	18.33	17.33	17.55	17.68	17.45
	64QAM	1	0	18.33	17.59	17.54	17.46	17.55
		1	13	18.33	17.58	17.39	17.40	17.50
		1	24	18.33	17.62	17.60	17.68	17.66
		12	0	18.33	17.62	17.56	17.55	17.66
		12	6	18.33	17.63	17.65	17.64	17.63
		12	13	18.33	17.75	17.68	17.65	17.64
		25	0	18.33	17.72	17.73	17.74	17.75
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40090CH	40457CH	40823CH	41190CH
10MHz	QPSK	1	0	18.33	17.52	17.60	17.69	17.63
		1	25	18.33	17.45	17.34	17.65	17.36
		1	49	18.33	17.52	17.37	17.58	17.51
		25	0	18.33	17.38	17.64	17.50	17.48
		25	13	18.33	17.35	17.36	17.57	17.46
		25	25	18.33	17.44	17.40	17.60	17.62
		50	0	18.33	17.58	17.56	17.55	17.49
	16QAM	1	0	18.33	17.44	17.41	17.72	17.71
		1	25	18.33	17.25	17.38	17.69	17.38
		1	49	18.33	17.34	17.22	17.77	17.34
		25	0	18.33	17.32	17.36	17.44	17.43
		25	13	18.33	17.22	17.32	17.43	17.39
		25	25	18.33	17.11	17.36	17.38	17.50
		50	0	18.33	17.26	17.49	17.63	17.38
	64QAM	1	0	18.33	17.38	17.44	17.64	17.52
		1	25	18.33	17.16	17.28	17.66	17.43
		1	49	18.33	17.20	17.18	17.77	17.29
		25	0	18.33	17.37	17.18	17.27	17.24
		25	13	18.33	17.08	17.27	17.30	17.27
		25	25	18.33	17.09	17.29	17.21	17.48
		50	0	18.33	17.29	17.54	17.58	17.45

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40115CH	40465CH	40815CH	41165CH
15MHz	QPSK	1	0	18.33	17.43	17.50	17.52	17.63
		1	38	18.33	17.47	17.33	17.61	17.52
		1	74	18.33	17.30	17.34	17.45	17.47
		36	0	18.33	17.44	17.63	17.59	17.67
		36	18	18.33	17.32	17.37	17.64	17.67
		36	39	18.33	17.44	17.32	17.75	17.52
		75	0	18.33	17.39	17.39	17.68	17.46
	16QAM	1	0	18.33	17.45	17.55	17.41	17.53
		1	38	18.33	17.26	17.52	17.61	17.54
		1	74	18.33	17.32	17.34	17.35	17.39
		36	0	18.33	17.31	17.35	17.42	17.48
		36	18	18.33	17.22	17.36	17.43	17.45
		36	39	18.33	17.49	17.33	17.46	17.53
		75	0	18.33	17.26	17.37	17.62	17.51
	64QAM	1	0	18.33	17.41	17.53	17.28	17.35
		1	38	18.33	17.20	17.59	17.56	17.63
		1	74	18.33	17.36	17.35	17.31	17.38
		36	0	18.33	17.29	17.28	17.30	17.52
		36	18	18.33	17.04	17.28	17.46	17.53
		36	39	18.33	17.49	17.24	17.41	17.53
		75	0	18.33	17.30	17.30	17.59	17.38
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40140CH	40473CH	40807CH	41140CH
20MHz	QPSK	1	0	18.33	17.73	17.73	17.61	17.68
		1	50	18.33	17.45	17.36	17.57	17.48
		1	99	18.33	17.66	17.72	17.60	17.63
		50	0	18.33	17.42	17.60	17.48	17.51
		50	25	18.33	17.34	17.58	17.45	17.69
		50	50	18.33	17.46	17.60	17.68	17.46
		100	0	18.33	17.38	17.37	17.75	17.46
	16QAM	1	0	18.33	17.57	17.60	17.73	17.73
		1	50	18.33	17.38	17.49	17.56	17.41
		1	99	18.33	17.66	17.55	17.69	17.66
		50	0	18.33	17.30	17.47	17.41	17.54
		50	25	18.33	17.25	17.30	17.40	17.40
		50	50	18.33	17.40	17.26	17.54	17.60
		100	0	18.33	17.33	17.36	17.62	17.49
	64QAM	1	0	18.33	17.43	17.60	17.82	17.55
		1	50	18.33	17.33	17.32	17.52	17.30
		1	99	18.33	17.64	17.55	17.68	17.53
		50	0	18.33	17.25	17.32	17.44	17.46
		50	25	18.33	17.28	17.30	17.26	17.46
		50	50	18.33	17.49	17.32	17.63	17.68
		100	0	18.33	17.20	17.45	17.61	17.32

Table 94: Test results conducted power measurement of LTE Band 41 (Reduced Power Level D1)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40065CH	40448CH	40832CH	41215CH
5MHz	QPSK	1	0	19.33	18.42	18.57	18.85	18.69
		1	13	19.33	18.57	18.56	18.74	18.75
		1	24	19.33	18.38	18.49	18.73	18.70
		12	0	19.33	18.52	18.53	18.71	18.62
		12	6	19.33	18.59	18.69	18.51	18.81
		12	13	19.33	18.40	18.32	18.74	18.57
		25	0	19.33	18.59	18.53	18.84	18.80
	16QAM	1	0	19.33	18.40	18.69	18.71	18.80
		1	13	19.33	18.58	18.80	18.60	18.48
		1	24	19.33	18.49	18.57	18.61	18.65
		12	0	19.33	18.16	18.51	18.68	18.33
		12	6	19.33	18.12	18.51	18.53	18.26
		12	13	19.33	18.56	18.50	18.55	18.36
		25	0	19.33	18.31	18.69	18.72	18.43
	64QAM	1	0	19.33	18.62	18.67	18.55	18.54
		1	13	19.33	18.62	18.25	18.47	18.39
		1	24	19.33	18.54	18.50	18.73	18.60
		12	0	19.33	18.61	18.41	18.55	18.61
		12	6	19.33	18.72	18.64	18.69	18.56
		12	13	19.33	18.66	18.54	18.58	18.64
		25	0	19.33	18.67	18.58	18.64	18.61
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40090CH	40457CH	40823CH	41190CH
10MHz	QPSK	1	0	19.33	18.58	18.60	18.56	18.73
		1	25	19.33	18.47	18.46	18.64	18.33
		1	49	19.33	18.40	18.36	18.73	18.47
		25	0	19.33	18.29	18.74	18.57	18.52
		25	13	19.33	18.21	18.28	18.65	18.34
		25	25	19.33	18.43	18.40	18.54	18.54
		50	0	19.33	18.62	18.67	18.60	18.41
	16QAM	1	0	19.33	18.57	18.46	18.78	18.68
		1	25	19.33	18.19	18.27	18.68	18.36
		1	49	19.33	18.32	18.10	18.85	18.32
		25	0	19.33	18.38	18.46	18.41	18.45
		25	13	19.33	18.34	18.36	18.45	18.31
		25	25	19.33	18.00	18.46	18.46	18.41
		50	0	19.33	18.17	18.36	18.70	18.45
	64QAM	1	0	19.33	18.52	18.40	18.63	18.65
		1	25	19.33	18.05	18.31	18.71	18.31
		1	49	19.33	18.10	18.16	18.72	18.31
		25	0	19.33	18.32	18.09	18.42	18.11
		25	13	19.33	18.02	18.15	18.23	18.16
		25	25	19.33	18.15	18.18	18.20	18.58
		50	0	19.33	18.35	18.58	18.51	18.37

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40115CH	40465CH	40815CH	41165CH
15MHz	QPSK	1	0	19.33	18.35	18.60	18.47	18.51
		1	38	19.33	18.58	18.31	18.60	18.60
		1	74	19.33	18.39	18.39	18.31	18.39
		36	0	19.33	18.41	18.58	18.63	18.59
		36	18	19.33	18.44	18.26	18.70	18.77
		36	39	19.33	18.56	18.23	18.72	18.59
		75	0	19.33	18.36	18.52	18.74	18.33
	16QAM	1	0	19.33	18.52	18.61	18.42	18.54
		1	38	19.33	18.11	18.51	18.47	18.64
		1	74	19.33	18.43	18.45	18.44	18.36
		36	0	19.33	18.24	18.41	18.47	18.34
		36	18	19.33	18.37	18.31	18.51	18.53
		36	39	19.33	18.57	18.35	18.54	18.40
		75	0	19.33	18.28	18.33	18.51	18.38
	64QAM	1	0	19.33	18.33	18.67	18.35	18.41
		1	38	19.33	18.28	18.68	18.42	18.58
		1	74	19.33	18.37	18.23	18.37	18.41
		36	0	19.33	18.22	18.35	18.16	18.51
		36	18	19.33	18.19	18.37	18.32	18.60
		36	39	19.33	18.34	18.13	18.42	18.39
		75	0	19.33	18.17	18.30	18.68	18.43
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40140CH	40473CH	40807CH	41140CH
20MHz	QPSK	1	0	19.33	18.57	18.68	18.57	18.91
		1	50	19.33	18.47	18.43	18.53	18.39
		1	99	19.33	18.79	18.70	18.76	18.87
		50	0	19.33	18.32	18.65	18.38	18.38
		50	25	19.33	18.41	18.51	18.43	18.27
		50	50	19.33	18.54	18.73	18.72	18.48
		100	0	19.33	18.28	18.31	18.74	18.48
	16QAM	1	0	19.33	18.46	18.63	18.59	18.83
		1	50	19.33	18.50	18.52	18.56	18.52
		1	99	19.33	18.74	18.61	18.72	18.58
		50	0	19.33	18.37	18.39	18.37	18.47
		50	25	19.33	18.38	18.29	18.55	18.35
		50	50	19.33	18.44	18.38	18.51	18.64
		100	0	19.33	18.36	18.42	18.51	18.38
	64QAM	1	0	19.33	18.32	18.58	18.92	18.61
		1	50	19.33	18.47	18.36	18.65	18.23
		1	99	19.33	18.61	18.40	18.79	18.57
		50	0	19.33	18.39	18.24	18.56	18.60
		50	25	19.33	18.35	18.18	18.30	18.58
		50	50	19.33	18.47	18.39	18.52	18.53
		100	0	19.33	18.18	18.50	18.57	18.23

Table 95: Test results conducted power measurement of LTE Band 41 (Reduced Power Level D2)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40065CH	40448CH	40832CH	41215CH
5MHz	QPSK	1	0	15.33	14.51	14.35	14.73	14.73
		1	13	15.33	14.38	14.60	14.91	14.71
		1	24	15.33	14.27	14.45	14.63	14.73
		12	0	15.33	14.60	14.54	14.79	14.80
		12	6	15.33	14.45	14.79	14.59	14.59
		12	13	15.33	14.52	14.52	14.70	14.55
		25	0	15.33	14.57	14.51	14.92	14.65
	16QAM	1	0	15.33	14.60	14.60	14.63	14.95
		1	13	15.33	14.62	14.66	14.73	14.74
		1	24	15.33	14.54	14.68	14.68	14.65
		12	0	15.33	14.44	14.70	14.78	14.27
		12	6	15.33	14.20	14.48	14.55	14.33
		12	13	15.33	14.43	14.27	14.50	14.24
		25	0	15.33	14.39	14.61	14.83	14.56
	64QAM	1	0	15.33	14.55	14.62	14.51	14.40
		1	13	15.33	14.47	14.40	14.26	14.51
		1	24	15.33	14.65	14.50	14.68	14.76
		12	0	15.33	14.51	14.52	14.51	14.62
		12	6	15.33	14.75	14.75	14.62	14.49
		12	13	15.33	14.75	14.56	14.72	14.66
		25	0	15.33	14.83	14.72	14.82	14.84
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40090CH	40457CH	40823CH	41190CH
10MHz	QPSK	1	0	15.33	14.56	14.56	14.63	14.71
		1	25	15.33	14.30	14.37	14.74	14.30
		1	49	15.33	14.66	14.29	14.55	14.63
		25	0	15.33	14.38	14.55	14.41	14.39
		25	13	15.33	14.33	14.22	14.57	14.53
		25	25	15.33	14.57	14.50	14.69	14.64
		50	0	15.33	14.47	14.62	14.65	14.55
	16QAM	1	0	15.33	14.35	14.46	14.84	14.63
		1	25	15.33	14.19	14.53	14.58	14.24
		1	49	15.33	14.21	14.34	14.62	14.41
		25	0	15.33	14.36	14.43	14.58	14.44
		25	13	15.33	14.18	14.42	14.38	14.47
		25	25	15.33	14.14	14.23	14.44	14.52
		50	0	15.33	14.20	14.37	14.51	14.27
	64QAM	1	0	15.33	14.30	14.45	14.51	14.59
		1	25	15.33	14.30	14.31	14.69	14.49
		1	49	15.33	14.08	14.13	14.65	14.29
		25	0	15.33	14.43	14.20	14.14	14.15
		25	13	15.33	14.19	14.36	14.32	14.28
		25	25	15.33	13.95	14.31	14.09	14.41
		50	0	15.33	14.20	14.62	14.66	14.55

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40115CH	40465CH	40815CH	41165CH
15MHz	QPSK	1	0	15.33	14.56	14.35	14.41	14.60
		1	38	15.33	14.47	14.25	14.48	14.53
		1	74	15.33	14.24	14.25	14.53	14.48
		36	0	15.33	14.54	14.71	14.52	14.68
		36	18	15.33	14.23	14.48	14.57	14.80
		36	39	15.33	14.53	14.46	14.68	14.66
		75	0	15.33	14.39	14.30	14.64	14.59
	16QAM	1	0	15.33	14.31	14.66	14.46	14.62
		1	38	15.33	14.30	14.61	14.67	14.51
		1	74	15.33	14.47	14.44	14.46	14.24
		36	0	15.33	14.23	14.34	14.42	14.45
		36	18	15.33	14.26	14.46	14.58	14.35
		36	39	15.33	14.53	14.19	14.46	14.48
		75	0	15.33	14.20	14.35	14.71	14.37
	64QAM	1	0	15.33	14.27	14.66	14.35	14.27
		1	38	15.33	14.24	14.73	14.41	14.50
		1	74	15.33	14.44	14.35	14.39	14.27
		36	0	15.33	14.15	14.39	14.34	14.48
		36	18	15.33	13.90	14.26	14.36	14.53
		36	39	15.33	14.57	14.23	14.47	14.42
		75	0	15.33	14.45	14.19	14.51	14.39
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40140CH	40473CH	40807CH	41140CH
20MHz	QPSK	1	0	15.33	14.42	14.82	14.73	14.69
		1	50	15.33	14.41	14.26	14.64	14.46
		1	99	15.33	14.73	14.76	14.73	14.68
		50	0	15.33	14.27	14.66	14.39	14.47
		50	25	15.33	14.31	14.72	14.49	14.33
		50	50	15.33	14.46	14.69	14.64	14.32
		100	0	15.33	14.39	14.46	14.72	14.35
	16QAM	1	0	15.33	14.55	14.60	14.75	14.85
		1	50	15.33	14.28	14.54	14.57	14.44
		1	99	15.33	14.65	14.42	14.55	14.66
		50	0	15.33	14.20	14.36	14.51	14.58
		50	25	15.33	14.23	14.45	14.53	14.43
		50	50	15.33	14.46	14.20	14.55	14.60
		100	0	15.33	14.43	14.40	14.66	14.60
	64QAM	1	0	15.33	14.41	14.55	14.74	14.48
		1	50	15.33	14.39	14.19	14.59	14.44
		1	99	15.33	14.63	14.66	14.81	14.56
		50	0	15.33	14.21	14.37	14.32	14.51
		50	25	15.33	14.16	14.29	14.22	14.56
		50	50	15.33	14.56	14.19	14.51	14.65
		100	0	15.33	14.07	14.39	14.57	14.17

Table 96: Test results conducted power measurement of LTE Band 41 (Reduced Power Level D3)

Note: The Conducted power measurements of LTE Band 41 is measured with RMS detector.

7.1.28 Conducted power measurements of LTE Band 41 (Main Antenna)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40065CH	40448CH	40832CH	41215CH
5MHz	QPSK	1	0	23.83	22.51	22.53	22.70	22.72
		1	13	23.83	22.42	22.49	22.77	22.70
		1	24	23.83	22.30	22.44	22.60	22.57
		12	0	22.83	21.58	21.54	21.76	21.77
		12	6	22.83	21.52	21.45	21.74	21.73
		12	13	22.83	21.43	21.41	21.72	21.75
		25	0	22.83	21.45	21.44	21.70	21.68
	16QAM	1	0	22.83	21.53	21.52	21.85	21.76
		1	13	22.83	21.37	21.58	21.91	21.76
		1	24	22.83	21.29	21.43	21.70	21.64
		12	0	21.83	20.30	20.39	20.70	20.66
		12	6	21.83	20.28	20.32	20.67	20.66
		12	13	21.83	20.29	20.29	20.63	20.65
		25	0	21.83	20.42	20.40	20.67	20.60
	64QAM	1	0	21.83	20.28	20.32	20.68	20.65
		1	13	21.83	20.29	20.49	20.56	20.42
		1	24	21.83	20.39	20.40	20.68	20.62
		12	0	20.83	19.16	19.20	19.68	19.50
		12	6	20.83	19.14	19.41	19.46	19.40
		12	13	20.83	19.42	19.43	19.52	19.61
		25	0	20.83	18.15	18.18	18.56	18.58
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40090CH	40457CH	40823CH	41190CH
10MHz	QPSK	1	0	23.83	22.47	22.56	22.56	22.52
		1	25	23.83	22.37	22.56	22.60	22.64
		1	49	23.83	22.43	22.35	22.51	22.79
		25	0	22.83	21.53	21.68	21.77	21.70
		25	13	22.83	21.39	21.65	21.73	21.68
		25	25	22.83	21.38	21.36	21.80	21.55
		50	0	22.83	21.43	21.66	21.71	21.68
	16QAM	1	0	22.83	21.48	21.53	21.70	21.51
		1	25	22.83	21.24	21.45	21.86	21.31
		1	49	22.83	21.49	21.64	21.75	21.47
		25	0	21.83	20.33	20.29	20.62	20.61
		25	13	21.83	20.36	20.35	20.61	20.56
		25	25	21.83	20.32	20.45	20.56	20.42
		50	0	21.83	20.34	20.60	20.77	20.61
	64QAM	1	0	21.83	20.32	20.45	20.56	20.67
		1	25	21.83	20.30	20.39	20.70	20.66
		1	49	21.83	20.33	20.29	20.40	20.67
		25	0	20.83	19.21	19.22	19.46	19.44
		25	13	20.83	19.21	19.22	19.58	19.55
		25	25	20.83	19.38	19.33	19.33	19.60
		50	0	20.83	19.48	19.42	19.21	19.54

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40115CH	40465CH	40815CH	41165CH
15MHz	QPSK	1	0	23.83	22.46	22.37	22.55	22.44
		1	38	23.83	22.39	22.58	22.72	22.62
		1	74	23.83	22.42	22.28	22.58	22.43
		36	0	22.83	21.45	21.52	21.76	21.73
		36	18	22.83	21.56	21.44	21.75	21.69
		36	39	22.83	21.43	21.47	21.85	21.57
		75	0	22.83	21.46	21.62	21.79	21.74
	16QAM	1	0	22.83	21.43	21.60	21.34	21.49
		1	38	22.83	21.36	21.82	21.58	21.61
		1	74	22.83	21.38	21.55	21.36	21.35
		36	0	21.83	20.45	20.47	20.67	20.63
		36	18	21.83	20.38	20.41	20.68	20.60
		36	39	21.83	20.42	20.43	20.71	20.54
		75	0	21.83	20.42	20.59	20.66	20.64
	64QAM	1	0	21.83	20.42	20.36	20.51	20.47
		1	38	21.83	20.39	20.42	20.44	20.60
		1	74	21.83	20.45	20.63	20.64	20.33
		36	0	20.83	19.58	19.55	19.32	19.26
		36	18	20.83	19.21	19.22	19.54	19.45
		36	39	20.83	19.58	19.55	19.42	19.48
		75	0	20.83	19.38	19.33	19.33	19.60
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40140CH	40473CH	40807CH	41140CH
20MHz	QPSK	1	0	23.83	22.61	22.64	22.69	22.75
		1	50	23.83	22.32	22.38	22.68	22.57
		1	99	23.83	22.60	22.50	22.68	22.71
		50	0	22.83	21.67	21.53	21.54	21.52
		50	25	22.83	21.45	21.43	21.54	21.43
		50	50	22.83	21.45	21.47	21.65	21.66
		100	0	22.83	21.61	21.63	21.75	21.70
	16QAM	1	0	22.83	21.53	21.62	21.53	21.60
		1	50	22.83	21.23	21.34	21.43	21.47
		1	99	22.83	21.64	21.50	21.49	21.78
		50	0	21.83	20.54	20.45	20.63	20.64
		50	25	21.83	20.47	20.38	20.65	20.59
		50	50	21.83	20.42	20.44	20.60	20.63
		100	0	21.83	20.39	20.58	20.66	20.62
	64QAM	1	0	21.83	20.42	20.36	20.51	20.37
		1	50	21.83	20.38	20.47	20.41	20.33
		1	99	21.83	20.52	20.44	20.38	20.39
		50	0	20.83	19.33	19.60	19.54	19.63
		50	25	20.83	19.33	19.39	19.54	19.45
		50	50	20.83	19.58	19.55	19.56	19.48
		100	0	20.83	19.48	19.42	19.46	19.44

Table 97: Test results conducted power measurement of LTE Band 41 (Full Power)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40065CH	40448CH	40832CH	41215CH
5MHz	QPSK	1	0	22.83	21.71	21.56	21.91	21.91
		1	13	22.83	21.47	21.57	21.95	21.85
		1	24	22.83	21.44	21.44	21.81	21.72
		12	0	22.83	21.76	21.77	21.84	21.84
		12	6	22.83	21.60	21.63	21.86	21.80
		12	13	22.83	21.49	21.42	21.91	21.89
		25	0	22.83	21.64	21.52	21.84	21.75
	16QAM	1	0	22.83	21.64	21.67	21.97	21.94
		1	13	22.83	21.41	21.68	22.07	21.96
		1	24	22.83	21.46	21.53	21.84	21.79
		12	0	21.83	20.48	20.49	20.90	20.66
		12	6	21.83	20.30	20.37	20.77	20.79
		12	13	21.83	20.37	20.33	20.75	20.75
		25	0	21.83	20.49	20.50	20.92	20.66
	64QAM	1	0	21.83	20.50	20.41	20.71	20.82
		1	13	21.83	20.41	20.66	20.74	20.64
		1	24	21.83	20.56	20.59	20.81	20.76
		12	0	20.83	19.30	19.31	19.71	19.68
		12	6	20.83	19.22	19.42	19.70	19.44
		12	13	20.83	19.53	19.53	19.53	19.70
		25	0	20.83	19.48	19.51	19.66	19.74
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40090CH	40457CH	40823CH	41190CH
10MHz	QPSK	1	0	22.83	21.60	21.79	21.68	21.69
		1	25	22.83	21.59	21.74	21.71	21.85
		1	49	22.83	21.65	21.45	21.69	21.92
		25	0	22.83	21.68	21.83	21.93	21.81
		25	13	22.83	21.52	21.80	21.81	21.92
		25	25	22.83	21.59	21.47	21.95	21.59
		50	0	22.83	21.51	21.73	21.96	21.81
	16QAM	1	0	22.83	21.71	21.58	21.91	21.73
		1	25	22.83	21.42	21.56	21.96	21.40
		1	49	22.83	21.57	21.65	21.90	21.51
		25	0	21.83	20.50	20.49	20.64	20.70
		25	13	21.83	20.50	20.55	20.74	20.60
		25	25	21.83	20.48	20.50	20.65	20.57
		50	0	21.83	20.54	20.76	20.78	20.80
	64QAM	1	0	21.83	20.37	20.46	20.73	20.73
		1	25	21.83	20.41	20.61	20.83	20.73
		1	49	21.83	20.49	20.36	20.41	20.70
		25	0	20.83	19.23	19.38	19.67	19.55
		25	13	20.83	19.43	19.24	19.79	19.60
		25	25	20.83	19.45	19.46	19.35	19.69
		50	0	20.83	19.51	19.49	19.29	19.77

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40115CH	40465CH	40815CH	41165CH
15MHz	QPSK	1	0	22.83	21.52	21.40	21.79	21.65
		1	38	22.83	21.50	21.74	21.88	21.85
		1	74	22.83	21.43	21.36	21.61	21.61
		36	0	22.83	21.49	21.63	21.81	21.95
		36	18	22.83	21.79	21.46	21.84	21.75
		36	39	22.83	21.63	21.52	22.09	21.69
		75	0	22.83	21.64	21.79	21.86	21.97
	16QAM	1	0	22.83	21.67	21.61	21.48	21.51
		1	38	22.83	21.56	21.93	21.64	21.73
		1	74	22.83	21.45	21.75	21.59	21.37
		36	0	21.83	20.52	20.64	20.88	20.75
		36	18	21.83	20.52	20.50	20.78	20.61
		36	39	21.83	20.51	20.45	20.73	20.67
		75	0	21.83	20.60	20.62	20.84	20.79
	64QAM	1	0	21.83	20.59	20.58	20.56	20.53
		1	38	21.83	20.48	20.51	20.66	20.74
		1	74	21.83	20.47	20.64	20.80	20.49
		36	0	20.83	19.59	19.68	19.44	19.42
		36	18	20.83	19.33	19.23	19.64	19.47
		36	39	20.83	19.69	19.71	19.55	19.56
		75	0	20.83	19.61	19.46	19.42	19.68
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40140CH	40473CH	40807CH	41140CH
20MHz	QPSK	1	0	22.83	21.77	21.83	21.87	21.82
		1	50	22.83	21.40	21.54	21.88	21.66
		1	99	22.83	21.79	21.53	21.69	21.91
		50	0	22.83	21.68	21.76	21.94	21.64
		50	25	22.83	21.64	21.58	21.87	21.61
		50	50	22.83	21.63	21.51	21.66	21.79
		100	0	22.83	21.67	21.74	21.77	21.95
	16QAM	1	0	22.83	21.54	21.82	21.77	21.84
		1	50	22.83	21.34	21.48	21.68	21.56
		1	99	22.83	21.68	21.65	21.53	21.89
		50	0	21.83	20.61	20.53	20.77	20.86
		50	25	21.83	20.58	20.44	20.85	20.82
		50	50	21.83	20.64	20.67	20.68	20.67
		100	0	21.83	20.49	20.73	20.80	20.79
	64QAM	1	0	21.83	20.56	20.44	20.70	20.47
		1	50	21.83	20.48	20.65	20.51	20.41
		1	99	21.83	20.55	20.61	20.53	20.56
		50	0	20.83	19.56	19.85	19.61	19.65
		50	25	20.83	19.51	19.52	19.71	19.50
		50	50	20.83	19.60	19.69	19.77	19.54
		100	0	20.83	19.55	19.58	19.54	19.60

Table 98: Test results conducted power measurement of LTE Band 41 (Reduced Power Level D3/D4/D5/D6)

Note: The Conducted power measurements of LTE Band 41 is measured with RMS detector.

7.1.29 Conducted power measurements of Downlink LTE CA

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 within the specified tune-up tolerance limits and not more than ¼dB higher than the maximum output power measured when downlink carrier aggregation inactive.

Power test equipment: R&S Radio Communication Tester CMW500 and/or Anritsu Radio Communication Analyzer MT8821C were used

The power measurements result are in the table as below:

DL LTE CA Class	PCC			PCC				SCC1			SCC2			Power		
	PCC Band	PCC Bandwidth	Modulation	PCC UL RB size	PCC UL RB offset	PCC UL	PCC DL	SCC Band	SCC Bandwidth	SCC DL	SCC Band	SCC Bandwidth	SCC DL	Rel 8 LTE Tx Power	DL LTE CA Tx Power	Tune-up
CA_2C	2	20	16QAM	1	50	18700	700	2	20	898	/	/	/	20.71	20.66	21.00
CA_5B	5	10	QPSK	1	0	20600	2600	5	10	2501	/	/	/	23.72	23.71	24.50
CA_38C	38	20	QPSK	1	0	37850	37850	38	20	38048	/	/	/	21.83	21.81	22.13
CA_41C	41	20	QPSK	1	0	41140	41140	41	20	40942	/	/	/	21.78	21.68	22.33
CA_41D	41	20	QPSK	1	0	41140	41140	41	20	40942	41	20	40744	21.78	21.77	22.33
CA_2A-5A	2	20	16QAM	1	50	18700	700	5	10	2525	/	/	/	20.71	20.68	21.00
	5	10	QPSK	1	0	20600	2600	2	20	900	/	/	/	23.72	23.71	24.50
CA_2A-12A	2	20	16QAM	1	50	18700	700	12	10	5095	/	/	/	20.71	20.69	21.00
CA_2A-12B	2	20	16QAM	1	50	18700	700	12	10	5130	12	5	5058	20.71	20.71	21.00
CA_2A-17A	2	20	16QAM	1	50	18700	700	17	10	5790	/	/	/	20.71	20.71	21.00
CA_4A-5A	4	20	QPSK	1	99	20050	2050	5	10	2525	/	/	/	20.85	20.9	21.50
	5	10	QPSK	1	0	20600	2600	4	20	2175	/	/	/	23.72	23.72	24.50
CA_4A-7A	4	20	QPSK	1	99	20050	2050	7	20	3100	/	/	/	20.85	20.83	21.50
	7	20	QPSK	1	99	20850	2850	4	20	2175	/	/	/	21.60	21.5	22.00
CA_4A-7C	4	20	QPSK	1	99	20050	2050	7	20	3100	7	20	3298	20.85	20.8	21.50
	7	20	QPSK	1	99	20850	2850	7	20	3048	4	20	2175	21.60	21.57	22.00
CA_4A-12A	4	20	QPSK	1	99	20050	2050	12	10	5095	/	/	/	20.85	20.78	21.50
	12	10	QPSK	1	0	23130	5130	4	20	2175	/	/	/	23.36	23.38	24.50
CA_4A-12B	4	20	QPSK	1	99	20050	2050	12	10	5130	12	5	5058	20.85	20.83	21.50
	12	10	QPSK	1	0	23130	5130	12	5	5058	4	20	2175	23.36	23.32	24.50
CA_4A-17A	4	20	QPSK	1	99	20050	2050	17	10	5790	/	/	/	20.85	20.86	21.50
	17	10	QPSK	1	0	23780	5780	4	20	2175	/	/	/	23.41	23.41	24.50
CA_5A-7A	5	10	QPSK	1	0	20600	2600	7	20	3100	/	/	/	23.72	23.58	24.50
	7	20	QPSK	1	99	20850	2850	5	10	2525	/	/	/	21.60	21.52	22.00
CA_5A-7C	5	10	QPSK	1	0	20600	2600	7	20	3100	7	20	3298	23.72	23.68	24.50
	7	20	QPSK	1	99	20850	2850	7	20	3048	5	10	2525	21.60	21.51	22.00
CA_7A-7A	7	20	QPSK	1	99	20850	2850	7	20	3350	/	/	/	21.60	21.53	22.00
CA_7A-12A	7	20	QPSK	1	99	20850	2850	12	10	5095	/	/	/	21.60	21.59	22.00
CA_7A-12B	7	20	QPSK	1	99	20850	2850	12	10	5130	12	5	5058	21.60	21.59	22.00

Table 99: Conducted power measurement results of DL CA(Second Antenna, Full Power)

DL LTE CA Class	PCC							SCC1			SCC2			Power		
	PCC Band	PCC Bandwidth	Modulation	PCC UL RB size	PCC UL RB offset	PCC UL	PCC DL	SCC Band	SCC Bandwidth	SCC DL	SCC Band	SCC Bandwidth	SCC DL	Rel 8 LTE Tx Power	DL LTE CA Tx Power	Tune-up
CA_2C	2	20	16QAM	1	0	19100	1100	2	20	902	/	/	/	17.18	17.15	17.50
CA_5B	5	10	16QAM	1	0	20450	2450	5	10	2549	/	/	/	18.94	18.91	19.50
CA_38C	38	20	16QAM	1	99	37952	37952	38	20	38150	/	/	/	17.95	17.81	18.13
CA_41C	41	20	64QAM	1	0	40807	40807	41	20	40609	/	/	/	17.82	17.83	18.33
CA_41D	41	20	64QAM	1	0	40807	40807	41	20	40609	41	20	40411	17.82	17.81	18.33
CA_2A-5A	2	20	16QAM	1	0	19100	1100	5	10	2525	/	/	/	17.18	17.1	17.50
	5	10	16QAM	1	0	20450	2450	2	20	900	/	/	/	18.94	18.98	19.50
CA_2A-12A	2	20	16QAM	1	0	19100	1100	12	10	5095	/	/	/	17.18	17.2	17.50
CA_2A-12B	2	20	16QAM	1	0	19100	1100	12	10	5130	12	5	5058	17.18	17.22	17.50
CA_2A-17A	2	20	16QAM	1	0	19100	1100	17	10	5790	/	/	/	17.18	17.08	17.50
CA_4A-5A	4	20	16QAM	1	0	20050	2050	5	10	2525	/	/	/	18.07	18.09	18.50
	5	10	16QAM	1	0	20450	2450	4	20	2175	/	/	/	18.94	18.8	19.50
CA_4A-7A	4	20	16QAM	1	0	20050	2050	7	20	3100	/	/	/	18.07	17.95	18.50
	7	20	16QAM	1	99	21100	3100	4	20	2175	/	/	/	16.41	16.32	16.50
CA_4A-7C	4	20	16QAM	1	0	20050	2050	7	20	3100	7	20	3298	18.07	17.94	18.50
	7	20	16QAM	1	99	21100	3100	7	20	3298	4	20	2175	16.41	16.43	16.50
CA_4A-12A	4	20	16QAM	1	0	20050	2050	12	10	5095	/	/	/	18.07	18.1	18.50
	12	10	64QAM	1	49	23130	5130	4	20	2175	/	/	/	19.18	19.12	20.00
CA_4A-12B	4	20	16QAM	1	0	20050	2050	12	10	5130	12	5	5058	18.07	18.1	18.50
	12	10	64QAM	1	49	23130	5130	12	5	5058	4	20	2175	19.18	19.22	20.00
CA_4A-17A	4	20	16QAM	1	0	20050	2050	17	10	5790	/	/	/	18.07	17.97	18.50
	17	10	QPSK	1	25	23780	5780	4	20	2175	/	/	/	19.06	18.91	20.00
CA_5A-7A	5	10	16QAM	1	0	20450	2450	7	20	3100	/	/	/	18.94	18.82	19.50
	7	20	16QAM	1	99	21100	3100	5	10	2525	/	/	/	16.41	16.34	16.50
CA_5A-7C	5	10	16QAM	1	0	20450	2450	7	20	3100	7	20	3298	18.94	18.84	19.50
	7	20	16QAM	1	99	21100	3100	7	20	3298	5	10	2525	16.41	16.41	16.50
CA_7A-7A	7	20	16QAM	1	99	21100	3100	7	20	3350	/	/	/	16.41	16.35	16.50
CA_7A-12A	7	20	16QAM	1	99	21100	3100	12	10	5095	/	/	/	16.41	16.41	16.50
CA_7A-12B	7	20	16QAM	1	99	21100	3100	12	10	5130	12	5	5058	16.41	16.35	16.50

Table 100: Conducted power measurement results of DL CA(Second Antenna, Reduced Power Level D1)

DL LTE CA Class	PCC							SCC1			SCC2			Power		
	PCC Band	PCC Bandwidth	Modulation	PCC UL RB size	PCC UL RB offset	PCC UL	PCC DL	SCC Band	SCC Bandwidth	SCC DL	SCC Band	SCC Bandwidth	SCC DL	Rel 8 LTE Tx Power	DL LTE CA Tx Power	Tune-up
CA_2C	2	20	16QAM	1	50	18700	700	2	20	898	/	/	/	16.73	16.75	17.00
CA_5B	5	10	64QAM	1	25	20450	2450	5	10	2549	/	/	/	19.99	19.93	20.50
CA_38C	38	20	16QAM	1	99	38150	38150	38	20	37952	/	/	/	19.01	18.9	19.13
CA_41C	41	20	64QAM	1	0	40807	40807	41	20	40609	/	/	/	18.92	18.81	19.33
CA_41D	41	20	64QAM	1	0	40807	40807	41	20	40609	41	20	40411	18.92	18.79	19.33
CA_2A-5A	2	20	16QAM	1	50	18700	700	5	10	2525	/	/	/	16.73	16.61	17.00
	5	10	64QAM	1	25	20450	2450	2	20	900	/	/	/	19.99	19.9	20.50
CA_2A-12A	2	20	16QAM	1	50	18700	700	12	10	5095	/	/	/	16.73	16.7	17.00
CA_2A-12B	2	20	16QAM	1	50	18700	700	12	10	5130	12	5	5058	16.73	16.78	17.00
CA_2A-17A	2	20	16QAM	1	50	18700	700	17	10	5790	/	/	/	16.73	16.67	17.00
CA_4A-5A	4	20	16QAM	1	0	20050	2050	5	10	2525	/	/	/	17.32	17.22	17.50
	5	10	64QAM	1	25	20450	2450	4	20	2175	/	/	/	19.99	19.89	20.50
CA_4A-7A	4	20	16QAM	1	0	20050	2050	7	20	3100	/	/	/	17.32	17.18	17.50
	7	20	16QAM	1	0	21350	3350	4	20	2175	/	/	/	17.96	17.83	18.00
CA_4A-7C	4	20	16QAM	1	0	20050	2050	7	20	3100	7	20	3298	17.32	17.29	17.50
	7	20	16QAM	1	0	21350	3350	7	20	3152	4	20	2175	17.96	18	18.00
CA_4A-12A	4	20	16QAM	1	0	20050	2050	12	10	5095	/	/	/	17.32	17.25	17.50
	12	10	16QAM	1	0	23130	5130	4	20	2175	/	/	/	20.26	20.15	21.00
CA_4A-12B	4	20	16QAM	1	0	20050	2050	12	10	5130	12	5	5058	17.32	17.22	17.50
	12	10	16QAM	1	0	23130	5130	12	5	5058	4	20	2175	20.26	20.13	21.00
CA_4A-17A	4	20	16QAM	1	0	20050	2050	17	10	5790	/	/	/	17.32	17.21	17.50
	17	10	16QAM	1	0	23790	5790	4	20	2175	/	/	/	20.18	20.04	21.00
CA_5A-7A	5	10	64QAM	1	25	20450	2450	7	20	3100	/	/	/	19.99	20.04	20.50
	7	20	16QAM	1	0	21350	3350	5	10	2525	/	/	/	17.96	17.83	18.00
CA_5A-7C	5	10	64QAM	1	25	20450	2450	7	20	3100	7	20	3298	19.99	19.9	20.50
	7	20	16QAM	1	0	21350	3350	7	20	3152	5	10	2525	17.96	17.89	18.00
CA_7A-7A	7	20	16QAM	1	0	21350	3350	7	20	2850	/	/	/	17.96	18	18.00
CA_7A-12A	7	20	16QAM	1	0	21350	3350	12	10	5095	/	/	/	17.96	17.96	18.00
CA_7A-12B	7	20	16QAM	1	0	21350	3350	12	10	5130	12	5	5058	17.96	17.93	18.00

Table 101: Conducted power measurement results of DL CA (Second Antenna, Reduced Power Level D2)

DL LTE CA Class	PCC							SCC1			SCC2			Power		
	PCC Band	PCC Bandwidth	Modulation	PCC UL RB size	PCC UL RB offset	PCC UL	PCC DL	SCC Band	SCC Bandwidth	SCC DL	SCC Band	SCC Bandwidth	SCC DL	Rel 8 LTE Tx Power	DL LTE CA Tx Power	Tune-up
CA_2C	2	20	16QAM	1	0	18700	700	2	20	898	/	/	/	13.26	13.11	13.50
CA_5B	5	10	16QAM	1	0	20450	2450	5	10	2549	/	/	/	14.93	14.84	15.50
CA_38C	38	20	64QAM	50	50	38150	38150	38	20	37952	/	/	/	14.77	14.79	15.13
CA_41C	41	20	16QAM	1	0	41140	41140	41	20	40942	/	/	/	14.85	14.76	15.33
CA_41D	41	20	16QAM	1	0	41140	41140	41	20	40942	41	20	40744	14.88	14.85	15.33
CA_2A-5A	2	20	16QAM	1	0	18700	700	5	10	2525	/	/	/	13.26	13.3	13.50
	5	10	16QAM	1	0	20450	2450	2	20	900	/	/	/	14.93	14.78	15.50
CA_2A-12A	2	20	16QAM	1	0	18700	700	12	10	5095	/	/	/	13.26	13.27	13.50
CA_2A-12B	2	20	16QAM	1	0	18700	700	12	10	5130	12	5	5058	13.26	13.22	13.50
CA_2A-17A	2	20	16QAM	1	0	18700	700	17	10	5790	/	/	/	13.26	13.3	13.50
CA_4A-5A	4	20	16QAM	1	50	20050	2050	5	10	2525	/	/	/	14.33	14.19	14.50
	5	10	16QAM	1	0	20450	2450	4	20	2175	/	/	/	14.93	14.89	15.50
CA_4A-7A	4	20	16QAM	1	50	20050	2050	7	20	3100	/	/	/	14.33	14.29	14.50
	7	20	64QAM	1	0	21100	3100	4	20	2175	/	/	/	12.46	12.5	12.50
CA_4A-7C	4	20	16QAM	1	50	20050	2050	7	20	3100	7	20	3298	14.33	14.36	14.50
	7	20	64QAM	1	0	21100	3100	7	20	3298	4	20	2175	12.46	12.48	12.50
CA_4A-12A	4	20	16QAM	1	50	20050	2050	12	10	5095	/	/	/	14.33	14.22	14.50
	12	10	64QAM	1	25	23130	5130	4	20	2175	/	/	/	15.83	15.78	16.50
CA_4A-12B	4	20	16QAM	1	50	20050	2050	12	10	5130	12	5	5058	14.33	14.27	14.50
	12	10	64QAM	1	25	23130	5130	12	5	5058	4	20	2175	15.83	15.75	16.50
CA_4A-17A	4	20	16QAM	1	50	20050	2050	17	10	5790	/	/	/	14.33	14.28	14.50
	17	10	QPSK	1	0	23780	5780	4	20	2175	/	/	/	15.51	15.44	16.50
CA_5A-7A	5	10	16QAM	1	0	20450	2450	7	20	3100	/	/	/	14.93	14.89	15.50
	7	20	64QAM	1	0	21100	3100	5	10	2525	/	/	/	12.46	12.42	12.50
CA_5A-7C	5	10	16QAM	1	0	20450	2450	7	20	3100	7	20	3298	14.93	14.8	15.50
	7	20	64QAM	1	0	21100	3100	7	20	3298	5	10	2525	12.46	12.34	12.50
CA_7A-7A	7	20	64QAM	1	0	21100	3100	7	20	3350	/	/	/	12.46	12.49	12.50
CA_7A-12A	7	20	64QAM	1	0	21100	3100	12	10	5095	/	/	/	12.46	12.36	12.50
CA_7A-12B	7	20	64QAM	1	0	21100	3100	12	10	5130	12	5	5058	12.46	12.31	12.50

Table 102: Conducted power measurement results of DL CA(Second Antenna, Reduced Power Level D3)

DL LTE CA Class	PCC							SCC1			SCC2			Power		
	PCC Band	PCC Bandwidth (MHz)	Modulation	PCC UL RB size	PCC UL RB offset	PCC UL Chann	PCC DL Chann	SCC Band	SCC Bandwidth (MHz)	SCC DL Chann	SCC Band	SCC Bandwidth (MHz)	SCC DL Chann	Rel 8 LTE Tx Power (dBm)	DL LTE CA Tx Power (dBm)	Tune-up
CA_2C	2	20	QPSK	1	0	18700	700	2	20	898	/	/	/	23.10	22.98	24.00
CA_5B	5	10	QPSK	1	0	20600	2600	5	10	2501	/	/	/	23.93	23.89	25.00
CA_38C	38	20	QPSK	1	0	37850	37850	38	20	38048	/	/	/	23.44	23.43	23.63
CA_41C	41	20	QPSK	1	0	41140	41140	41	20	40942	/	/	/	22.75	22.73	23.83
CA_41D	41	20	QPSK	1	0	41140	41140	41	20	40942	41	20	40744	22.75	22.66	23.83
CA_2A-5A	2	20	QPSK	1	0	18700	700	5	10	2525	/	/	/	23.10	22.96	24.00
	5	10	QPSK	1	0	20600	2600	2	20	900	/	/	/	23.93	23.85	25.00
CA_2A-12A	2	20	QPSK	1	0	18700	700	12	10	5095	/	/	/	23.10	23.01	24.00
CA_2A-12B	2	20	QPSK	1	0	18700	700	12	10	5130	12	5	5058	23.10	23.13	24.00
CA_2A-17A	2	20	QPSK	1	0	18700	700	17	10	5790	/	/	/	23.10	22.98	24.00
CA_4A-5A	4	20	QPSK	1	99	20175	2175	5	10	2525	/	/	/	21.73	21.7	22.50
	5	10	QPSK	1	0	20600	2600	4	20	2175	/	/	/	23.93	23.94	25.00
CA_4A-7A	4	20	QPSK	1	99	20175	2175	7	20	3100	/	/	/	21.73	21.74	22.50
	7	20	QPSK	1	99	21350	3350	4	20	2175	/	/	/	23.39	23.41	24.00
CA_4A-7C	4	20	QPSK	1	99	20175	2175	7	20	3100	7	20	3298	21.73	21.6	22.50
	7	20	QPSK	1	99	21350	3350	7	20	3152	4	20	2175	23.39	23.31	24.00
CA_4A-12A	4	20	QPSK	1	99	20175	2175	12	10	5095	/	/	/	21.73	21.67	22.50
	12	10	QPSK	1	25	23130	5130	4	20	2175	/	/	/	23.65	23.65	25.00
CA_4A-12B	4	20	QPSK	1	99	20175	2175	12	10	5130	12	5	5058	21.73	21.68	22.50
	12	10	QPSK	1	25	23130	5130	12	5	5058	4	20	2175	23.65	23.51	25.00
CA_4A-17A	4	20	QPSK	1	99	20175	2175	17	10	5790	/	/	/	21.73	21.68	22.50
	17	10	QPSK	1	25	23780	5780	4	20	2175	/	/	/	23.87	23.91	25.00
CA_5A-7A	5	10	QPSK	1	0	20600	2600	7	20	3100	/	/	/	23.93	23.86	25.00
	7	20	QPSK	1	99	21350	3350	5	10	2525	/	/	/	23.39	23.44	24.00
CA_5A-7C	5	10	QPSK	1	0	20600	2600	7	20	3100	7	20	3298	23.93	23.93	25.00
	7	20	QPSK	1	99	21350	3350	7	20	3152	5	10	2525	23.39	23.36	24.00
CA_7A-7A	7	20	QPSK	1	99	21350	3350	7	20	2850	/	/	/	23.39	23.24	24.00
CA_7A-12A	7	20	QPSK	1	99	21350	3350	12	10	5095	/	/	/	23.39	23.4	24.00
CA_7A-12B	7	20	QPSK	1	99	21350	3350	12	10	5130	12	5	5058	23.39	23.26	24.00

Table 103: Conducted power measurement results of DL CA(Main Antenna,Full Power)

DL LTE CA Class	PCC						SCC1			SCC2			Power			
	PCC Band	PCC Bandwidth (MHz)	Modulation	PCC UL RB size	PCC UL RB offset	PCC UL Channel	PCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	Rel 8 LTE Tx Power (dBm)	DL LTE CA Tx Power (dBm)	Tune-up
CA_2C	2	20	16QAM	1	0	18700	700	2	20	898	/	/	/	21.89	21.77	22.50
CA_5B	5	10	QPSK	1	0	20600	2600	5	10	2501	/	/	/	23.93	23.89	25.00
CA_38C	38	20	QPSK	1	0	37850	37850	38	20	38048	/	/	/	23.44	23.38	23.63
CA_41C	41	20	QPSK	1	0	41140	41140	41	20	40942	/	/	/	22.75	22.65	23.83
CA_41D	41	20	QPSK	1	0	41140	41140	41	20	40942	41	20	40744	22.75	22.61	23.83
CA_2A-5A	2	20	16QAM	1	0	18700	700	5	10	2525	/	/	/	21.89	21.91	22.50
	5	10	QPSK	1	0	20600	2600	2	20	900	/	/	/	23.93	23.96	25.00
CA_2A-12A	2	20	16QAM	1	0	18700	700	12	10	5095	/	/	/	21.89	21.92	22.50
CA_2A-12B	2	20	16QAM	1	0	18700	700	12	10	5130	12	5	5058	21.89	21.77	22.50
CA_2A-17A	2	20	16QAM	1	0	18700	700	17	10	5790	/	/	/	21.89	21.78	22.50
CA_4A-5A	4	20	QPSK	1	99	20175	2175	5	10	2525	/	/	/	21.73	21.62	22.50
	5	10	QPSK	1	0	20600	2600	4	20	2175	/	/	/	23.93	23.81	25.00
CA_4A-7A	4	20	QPSK	1	99	20175	2175	7	20	3100	/	/	/	21.73	21.76	22.50
	7	20	16QAM	1	0	21100	3100	4	20	2175	/	/	/	21.49	21.36	22.00
CA_4A-7C	4	20	QPSK	1	99	20175	2175	7	20	3100	7	20	3298	21.73	21.61	22.50
	7	20	16QAM	1	0	21100	3100	7	20	3298	4	20	2175	21.49	21.54	22.00
CA_4A-12A	4	20	QPSK	1	99	20175	2175	12	10	5095	/	/	/	21.73	21.71	22.50
	12	10	QPSK	1	25	23130	5130	4	20	2175	/	/	/	23.65	23.61	25.00
CA_4A-12B	4	20	QPSK	1	99	20175	2175	12	10	5130	12	5	5058	21.73	21.59	22.50
	12	10	QPSK	1	25	23130	5130	12	5	5058	4	20	2175	23.65	23.66	25.00
CA_4A-17A	4	20	QPSK	1	99	20175	2175	17	10	5790	/	/	/	21.73	21.74	22.50
	17	10	QPSK	1	25	23780	5780	4	20	2175	/	/	/	23.87	23.74	25.00
CA_5A-7A	5	10	QPSK	1	0	20600	2600	7	20	3100	/	/	/	23.93	23.95	25.00
	7	20	16QAM	1	0	21100	3100	5	10	2525	/	/	/	21.49	21.45	22.00
CA_5A-7C	5	10	QPSK	1	0	20600	2600	7	20	3100	7	20	3298	23.93	23.83	25.00
	7	20	16QAM	1	0	21100	3100	7	20	3298	5	10	2525	21.49	21.4	22.00
CA_7A-7A	7	20	16QAM	1	0	21100	3100	7	20	3350	/	/	/	21.49	21.35	22.00
CA_7A-12A	7	20	16QAM	1	0	21100	3100	12	10	5095	/	/	/	21.49	21.34	22.00
CA_7A-12B	7	20	16QAM	1	0	21100	3100	12	10	5130	12	5	5058	21.49	21.38	22.00

Table 104: Conducted power measurement results of DL CA(Main Antenna, Reduced Power Level D1)

DL LTE CA Class	PCC							SCC1			SCC2			Power		
	PCC Band	PCC Bandwidth	Modulation	PCC UL RB size	PCC UL RB offset	PCC UL	PCC DL	SCC Band	SCC Bandwidth	SCC DL	SCC Band	SCC Bandwidth	SCC DL	Rel 8 LTE Tx Power	DL LTE CA Tx Power	Tune-up
CA_2C	2	20	QPSK	1	0	18700	700	2	20	898	/	/	/	23.10	23.06	24.00
CA_5B	5	10	QPSK	1	0	20600	2600	5	10	2501	/	/	/	23.93	23.96	25.00
CA_38C	38	20	QPSK	1	0	37850	37850	38	20	38048	/	/	/	23.44	23.39	23.63
CA_41C	41	20	QPSK	1	0	41140	41140	41	20	40942	/	/	/	22.75	22.64	23.83
CA_41D	41	20	QPSK	1	0	41140	41140	41	20	40942	41	20	40744	22.75	22.75	23.83
CA_2A-5A	2	20	QPSK	1	0	18700	700	5	10	2525	/	/	/	23.10	23.04	24.00
	5	10	QPSK	1	0	20600	2600	2	20	900	/	/	/	23.93	23.86	25.00
CA_2A-12A	2	20	QPSK	1	0	18700	700	12	10	5095	/	/	/	23.10	23.09	24.00
CA_2A-12B	2	20	QPSK	1	0	18700	700	12	10	5130	12	5	5058	23.10	23.02	24.00
CA_2A-17A	2	20	QPSK	1	0	18700	700	17	10	5790	/	/	/	23.10	23.13	24.00
CA_4A-5A	4	20	QPSK	1	99	20175	2175	5	10	2525	/	/	/	21.73	21.6	22.50
	5	10	QPSK	1	0	20600	2600	4	20	2175	/	/	/	23.93	23.83	25.00
CA_4A-7A	4	20	QPSK	1	99	20175	2175	7	20	3100	/	/	/	21.73	21.6	22.50
	7	20	QPSK	1	0	20850	2850	4	20	2175	/	/	/	22.53	22.41	23.50
CA_4A-7C	4	20	QPSK	1	99	20175	2175	7	20	3100	7	20	3298	21.73	21.58	22.50
	7	20	QPSK	1	0	20850	2850	7	20	3048	4	20	2175	22.53	22.41	23.50
CA_4A-12A	4	20	QPSK	1	99	20175	2175	12	10	5095	/	/	/	21.73	21.78	22.50
	12	10	QPSK	1	25	23130	5130	4	20	2175	/	/	/	23.65	23.54	25.00
CA_4A-12B	4	20	QPSK	1	99	20175	2175	12	10	5130	12	5	5058	21.73	21.75	22.50
	12	10	QPSK	1	25	23130	5130	12	5	5058	4	20	2175	23.65	23.62	25.00
CA_4A-17A	4	20	QPSK	1	99	20175	2175	17	10	5790	/	/	/	21.73	21.62	22.50
	17	10	QPSK	1	25	23780	5780	4	20	2175	/	/	/	23.87	23.85	25.00
CA_5A-7A	5	10	QPSK	1	0	20600	2600	7	20	3100	/	/	/	23.93	23.89	25.00
	7	20	QPSK	1	0	20850	2850	5	10	2525	/	/	/	22.53	22.47	23.50
CA_5A-7C	5	10	QPSK	1	0	20600	2600	7	20	3100	7	20	3298	23.93	23.86	25.00
	7	20	QPSK	1	0	20850	2850	7	20	3048	5	10	2525	22.53	22.5	23.50
CA_7A-7A	7	20	QPSK	1	0	20850	2850	7	20	3350	/	/	/	22.53	22.41	23.50
CA_7A-12A	7	20	QPSK	1	0	20850	2850	12	10	5095	/	/	/	22.53	22.55	23.50
CA_7A-12B	7	20	QPSK	1	0	20850	2850	12	10	5130	12	5	5058	22.53	22.4	23.50

Table 105: Conducted power measurement results of DL CA(Main Antenna, Reduced Power Level D2)

DL LTE CA Class	PCC							SCC1			SCC2			Power		
	PCC Band	PCC Bandwidth	Modulation	PCC UL RB size	PCC UL RB offset	PCC UL	PCC DL	SCC Band	SCC Bandwidth	SCC DL	SCC Band	SCC Bandwidth	SCC DL	Rel 8 LTE Tx Power	DL LTE CA Tx Power	Tune-up
CA_2C	2	20	16QAM	1	0	18900	900	2	20	1098	/	/	/	20.67	20.54	21.50
CA_5B	5	10	QPSK	1	0	20600	2600	5	10	2501	/	/	/	23.93	23.96	25.00
CA_38C	38	20	QPSK	1	99	38150	38150	38	20	37952	/	/	/	22.43	22.29	22.63
CA_41C	41	20	QPSK	100	0	41140	41140	41	20	40942	/	/	/	21.95	21.89	22.83
CA_41D	41	20	QPSK	100	0	41140	41140	41	20	40942	41	20	40744	21.95	21.99	22.83
CA_2A-5A	2	20	16QAM	1	0	18900	900	5	10	2525	/	/	/	20.67	20.71	21.50
	5	10	QPSK	1	0	20600	2600	2	20	900	/	/	/	23.93	23.87	25.00
CA_2A-12A	2	20	16QAM	1	0	18900	900	12	10	5095	/	/	/	20.67	20.59	21.50
CA_2A-12B	2	20	16QAM	1	0	18900	900	12	10	5130	12	5	5058	20.67	20.63	21.50
CA_2A-17A	2	20	16QAM	1	0	18900	900	17	10	5790	/	/	/	20.67	20.67	21.50
CA_4A-5A	4	20	16QAM	1	50	20500	2500	5	10	2525	/	/	/	20.97	20.98	21.50
	5	10	QPSK	1	0	20600	2600	4	20	2175	/	/	/	23.93	23.98	25.00
CA_4A-7A	4	20	16QAM	1	50	20500	2500	7	20	3100	/	/	/	20.97	20.95	21.50
	7	20	16QAM	1	99	21350	3350	4	20	2175	/	/	/	20.37	20.37	21.00
CA_4A-7C	4	20	16QAM	1	50	20500	2500	7	20	3100	7	20	3298	20.97	20.82	21.50
	7	20	16QAM	1	99	21350	3350	7	20	3152	4	20	2175	20.37	20.28	21.00
CA_4A-12A	4	20	16QAM	1	50	20500	2500	12	10	5095	/	/	/	20.97	20.87	21.50
	12	10	QPSK	1	25	23130	5130	4	20	2175	/	/	/	23.65	23.6	25.00
CA_4A-12B	4	20	16QAM	1	50	20500	2500	12	10	5130	12	5	5058	20.97	20.84	21.50
	12	10	QPSK	1	25	23130	5130	12	5	5058	4	20	2175	23.65	23.57	25.00
CA_4A-17A	4	20	16QAM	1	50	20500	2500	17	10	5790	/	/	/	20.97	20.85	21.50
	17	10	QPSK	1	25	23780	5780	4	20	2175	/	/	/	23.87	23.75	25.00
CA_5A-7A	5	10	QPSK	1	0	20600	2600	7	20	3100	/	/	/	23.93	23.79	25.00
	7	20	16QAM	1	99	21350	3350	5	10	2525	/	/	/	20.37	20.36	21.00
CA_5A-7C	5	10	QPSK	1	0	20600	2600	7	20	3100	7	20	3298	23.93	23.89	25.00
	7	20	16QAM	1	99	21350	3350	7	20	3152	5	10	2525	20.37	20.3	21.00
CA_7A-7A	7	20	16QAM	1	99	21350	3350	7	20	2850	/	/	/	20.37	20.36	21.00
CA_7A-12A	7	20	16QAM	1	99	21350	3350	12	10	5095	/	/	/	20.37	20.35	21.00
CA_7A-12B	7	20	16QAM	1	99	21350	3350	12	10	5130	12	5	5058	20.37	20.31	21.00

Table 106: Conducted power measurement results of DL CA(Main Antenna, Reduced Power Level D3)

DL LTE CA Class	PCC							SCC1			SCC2			Power		
	PCC Band	PCC Bandwidth	Modulation	PCC UL RB size	PCC UL RB offset	PCC UL	PCC DL	SCC Band	SCC Bandwidth	SCC DL	SCC Band	SCC Bandwidth	SCC DL	Rel 8 LTE Tx Power	DL LTE CA Tx Power	Tune-up
CA_2C	2	20	16QAM	1	50	18900	900	2	20	1098	/	/	/	19.33	19.19	20.00
CA_5B	5	10	QPSK	1	0	20600	2600	5	10	2501	/	/	/	23.93	23.82	25.00
CA_38C	38	20	QPSK	1	99	38150	38150	38	20	37952	/	/	/	22.43	22.36	22.63
CA_41C	41	20	QPSK	100	0	41140	41140	41	20	40942	/	/	/	21.95	21.99	22.83
CA_41D	41	20	QPSK	100	0	41140	41140	41	20	40942	41	20	40744	21.95	21.81	22.83
CA_2A-5A	2	20	16QAM	1	50	18900	900	5	10	2525	/	/	/	19.33	19.36	20.00
	5	10	QPSK	1	0	20600	2600	2	20	900	/	/	/	23.93	23.95	25.00
CA_2A-12A	2	20	16QAM	1	50	18900	900	12	10	5095	/	/	/	19.33	19.18	20.00
CA_2A-12B	2	20	16QAM	1	50	18900	900	12	10	5130	12	5	5058	19.33	19.31	20.00
CA_2A-17A	2	20	16QAM	1	50	18900	900	17	10	5790	/	/	/	19.33	19.33	20.00
CA_4A-5A	4	20	16QAM	1	50	20500	2500	5	10	2525	/	/	/	20.97	20.99	21.50
	5	10	QPSK	1	0	20600	2600	4	20	2175	/	/	/	23.93	23.9	25.00
CA_4A-7A	4	20	16QAM	1	50	20500	2500	7	20	3100	/	/	/	20.97	20.87	21.50
	7	20	16QAM	1	50	20850	2850	4	20	2175	/	/	/	18.49	18.35	19.00
CA_4A-7C	4	20	16QAM	1	50	20500	2500	7	20	3100	7	20	3298	20.97	20.89	21.50
	7	20	16QAM	1	50	20850	2850	7	20	3048	4	20	2175	18.49	18.45	19.00
CA_4A-12A	4	20	16QAM	1	50	20500	2500	12	10	5095	/	/	/	20.97	20.96	21.50
	12	10	QPSK	1	25	23130	5130	4	20	2175	/	/	/	23.65	23.66	25.00
CA_4A-12B	4	20	16QAM	1	50	20500	2500	12	10	5130	12	5	5058	20.97	20.89	21.50
	12	10	QPSK	1	25	23130	5130	12	5	5058	4	20	2175	23.65	23.61	25.00
CA_4A-17A	4	20	16QAM	1	50	20500	2500	17	10	5790	/	/	/	20.97	20.88	21.50
	17	10	QPSK	1	25	23780	5780	4	20	2175	/	/	/	23.87	23.84	25.00
CA_5A-7A	5	10	QPSK	1	0	20600	2600	7	20	3100	/	/	/	23.93	23.81	25.00
	7	20	16QAM	1	50	20850	2850	5	10	2525	/	/	/	18.49	18.49	19.00
CA_5A-7C	5	10	QPSK	1	0	20600	2600	7	20	3100	7	20	3298	23.93	23.83	25.00
	7	20	16QAM	1	50	20850	2850	7	20	3048	5	10	2525	18.49	18.42	19.00
CA_7A-7A	7	20	16QAM	1	50	20850	2850	7	20	3350	/	/	/	18.49	18.45	19.00
CA_7A-12A	7	20	16QAM	1	50	20850	2850	12	10	5095	/	/	/	18.49	18.35	19.00
CA_7A-12B	7	20	16QAM	1	50	20850	2850	12	10	5130	12	5	5058	18.49	18.4	19.00

Table 107: Conducted power measurement results of DL CA(Main Antenna,Reduced Power Level D4)

DL LTE CA Class	PCC							SCC1			SCC2			Power		
	PCC Band	PCC Bandwidth	Modulation	PCC UL RB size	PCC UL RB offset	PCC UL	PCC DL	SCC Band	SCC Bandwidth	SCC DL	SCC Band	SCC Bandwidth	SCC DL	Rel 8 LTE Tx Power	DL LTE CA Tx Power	Tune-up
CA_2C	2	20	16QAM	1	0	18900	900	2	20	1098	/	/	/	20.67	20.71	21.50
CA_5B	5	10	QPSK	1	0	20600	2600	5	10	2501	/	/	/	23.93	23.83	25.00
CA_38C	38	20	QPSK	1	99	38150	38150	38	20	37952	/	/	/	22.43	22.32	22.63
CA_41C	41	20	QPSK	100	0	41140	41140	41	20	40942	/	/	/	21.95	21.81	22.83
CA_41D	41	20	QPSK	100	0	41140	41140	41	20	40942	41	20	40744	21.95	21.86	22.83
CA_2A-5A	2	20	16QAM	1	0	18900	900	5	10	2525	/	/	/	20.67	20.62	21.50
	5	10	QPSK	1	0	20600	2600	2	20	900	/	/	/	23.93	23.9	25.00
CA_2A-12A	2	20	16QAM	1	0	18900	900	12	10	5095	/	/	/	20.67	20.61	21.50
CA_2A-12B	2	20	16QAM	1	0	18900	900	12	10	5130	12	5	5058	20.67	20.67	21.50
CA_2A-17A	2	20	16QAM	1	0	18900	900	17	10	5790	/	/	/	20.67	20.67	21.50
CA_4A-5A	4	20	16QAM	1	50	20500	2500	5	10	2525	/	/	/	20.97	20.97	21.50
	5	10	QPSK	1	0	20600	2600	4	20	2175	/	/	/	23.93	23.87	25.00
CA_4A-7A	4	20	16QAM	1	50	20500	2500	7	20	3100	/	/	/	20.97	20.91	21.50
	7	20	16QAM	1	0	21350	3350	4	20	2175	/	/	/	20.50	20.39	20.50
CA_4A-7C	4	20	16QAM	1	50	20500	2500	7	20	3100	7	20	3298	20.97	20.83	21.50
	7	20	16QAM	1	0	21350	3350	7	20	3152	4	20	2175	20.50	20.44	20.50
CA_4A-12A	4	20	16QAM	1	50	20500	2500	12	10	5095	/	/	/	20.97	20.96	21.50
	12	10	QPSK	1	25	23130	5130	4	20	2175	/	/	/	23.65	23.64	25.00
CA_4A-12B	4	20	16QAM	1	50	20500	2500	12	10	5130	12	5	5058	20.97	20.97	21.50
	12	10	QPSK	1	25	23130	5130	12	5	5058	4	20	2175	23.65	23.61	25.00
CA_4A-17A	4	20	16QAM	1	50	20500	2500	17	10	5790	/	/	/	20.97	21	21.50
	17	10	QPSK	1	25	23780	5780	4	20	2175	/	/	/	23.87	23.74	25.00
CA_5A-7A	5	10	QPSK	1	0	20600	2600	7	20	3100	/	/	/	23.93	23.93	25.00
	7	20	16QAM	1	0	21350	3350	5	10	2525	/	/	/	20.50	20.35	20.50
CA_5A-7C	5	10	QPSK	1	0	20600	2600	7	20	3100	7	20	3298	23.93	23.9	25.00
	7	20	16QAM	1	0	21350	3350	7	20	3152	5	10	2525	20.50	20.39	20.50
CA_7A-7A	7	20	16QAM	1	0	21350	3350	7	20	2850	/	/	/	20.50	20.5	20.50
CA_7A-12A	7	20	16QAM	1	0	21350	3350	12	10	5095	/	/	/	20.50	20.38	20.50
CA_7A-12B	7	20	16QAM	1	0	21350	3350	12	10	5130	12	5	5058	20.50	20.54	20.50

Table 108: Conducted power measurement results of DL CA(Main Antenna,Reduced Power Level D5)

7.1.30 Conducted Power measurements of Uplink LTE CA

For Intra-band uplink LTE CA measurement (Uplink CA_7C, CA_38C, CA_41C), the following procedure is applied:

Maximum output power is measured for each UL CA configuration for the required test channels :

- UL PCC configuration is determined by the required test channel
- SCC and subsequent CCs are added alternatively to either side of the PCC or within the transmission band for channels at the ends of a frequency band.

The MPR information for Intra-band uplink LTE CA is as below:

For intra-band contiguous carrier aggregation the allowed Maximum Power Reduction (MPR) for the maximum output power in Table 6.2.2A.0-2 due to higher order modulation and contiguously allocated transmissions (resource blocks) is specified in Table 6.2.3A.1.3-1. In case the modulation format is different on different component carriers then the MPR is determined by the rules applied to higher order of those modulations.

Table 6.2.3A.1.3-1: Maximum Power Reduction (MPR) for Power Class 3

Modulation	CA bandwidth Class B and C							MPR (dB)
	25 RB + 50 RB	50 RB + 50 RB	25 RB + 100 RB	50 RB + 100 RB	75 RB + 75 RB	75 RB + 100 RB	100 RB + 100 RB	
QPSK	> 8 and ≤ 25	> 12 and ≤ 50	> 8 and ≤ 25	> 12 and ≤ 50	> 16 and ≤ 75	> 16 and ≤ 75	> 18 and ≤ 100	≤ 1
QPSK	> 25	> 50	> 25	> 50	> 75	> 75	> 100	≤ 2
16 QAM	≤ 8	≤ 12	≤ 8	≤ 12	≤ 16	≤ 16	≤ 18	≤ 1
16 QAM	> 8 and ≤ 25	> 12 and ≤ 50	> 8 and ≤ 25	> 12 and ≤ 50	> 16 and ≤ 75	> 16 and ≤ 75	> 18 and ≤ 100	≤ 2
16 QAM	> 25	> 50	> 25	> 50	> 75	> 75	> 100	≤ 3

Table 109: MPR information for Uplink intra-band contiguous CA(QPSK and 16QAM)

For intra-band contiguous carrier aggregation the allowed Maximum Power Reduction (MPR) for the maximum output power in Table 6.2.2A.0-2 due to higher order modulation and contiguously aggregated transmit bandwidth configuration (resource blocks) is specified in Table 6.2.3A.1_1.3-1. In case the modulation format is different on different component carriers then the MPR is determined by the rules applied to higher order of those modulations.

Table 6.2.3A.1_1.3-1: Maximum Power Reduction (MPR) for Power Class 3

Modulation	CA bandwidth Class B and C							MPR (dB)
	25 RB + 50 RB	50 RB + 50 RB	25 RB + 100 RB	50 RB + 100 RB	75 RB + 75 RB	75 RB + 100 RB	100 RB + 100 RB	
64 QAM	≤ 8 and allocation wholly contained within a single CC	≤ 12 and allocation wholly contained within a single CC	≤ 8 and allocation wholly contained within a single CC	≤ 12 and allocation wholly contained within a single CC	≤ 16 and allocation wholly contained within a single CC	≤ 16 and allocation wholly contained within a single CC	≤ 18 and allocation wholly contained within a single CC	≤ 2
64 QAM	> 8 or allocation extends across two CC's	> 12 or allocation extends across two CC's	> 8 or allocation extends across two CC's	> 12 or allocation extends across two CC's	> 16 or allocation extends across two CC's	> 16 or allocation extends across two CC's	> 18 or allocation extends across two CC's	≤ 3

Table 110: MPR information for Uplink intra-band contiguous CA(64QAM)

The UL CA conducted power measurements results are as below:

Antenna	Test Scenario	Modulation	PCC(UL)						SCC1(DL)					Power	
			PCC Band	PCC Bandwidth (MHz)	PCC UL RB size	PCC UL RB offset	PCC UL Channel	PCC DL Channel	SCC Band	SCC Bandwidth (MHz)	SCC UL Channel	SCC UL RB size	SCC UL RB offset	conducted power (dbm)	Tune up (dbm)
SEC ANT	Full Power	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	21.37	22.00
SEC ANT	Full Power	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	21.42	22.00
SEC ANT	Full Power	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	21.33	22.00
SEC ANT	Full Power	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	21.38	22.00
SEC ANT	Reduced Power Level D1	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	15.96	16.50
SEC ANT	Reduced Power Level D1	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	15.99	16.50
SEC ANT	Reduced Power Level D1	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	15.77	16.50
SEC ANT	Reduced Power Level D1	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	15.80	16.50
SEC ANT	Reduced Power Level D2	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	17.32	18.00
SEC ANT	Reduced Power Level D2	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	17.36	18.00
SEC ANT	Reduced Power Level D2	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	17.30	18.00
SEC ANT	Reduced Power Level D2	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	17.34	18.00
SEC ANT	Reduced Power Level D3	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	11.63	12.50
SEC ANT	Reduced Power Level D3	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	11.70	12.50
SEC ANT	Reduced Power Level D3	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	11.65	12.50
SEC ANT	Reduced Power Level D3	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	11.61	12.50
MAIN ANT	Full Power	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	23.01	24.00
MAIN ANT	Full Power	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	23.08	24.00
MAIN ANT	Full Power	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	22.98	24.00
MAIN ANT	Full Power	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	22.96	24.00
MAIN ANT	Reduced Power Level D1	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	20.71	22.00
MAIN ANT	Reduced Power Level D1	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	20.80	22.00
MAIN ANT	Reduced Power Level D1	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	20.66	22.00
MAIN ANT	Reduced Power Level D1	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	20.74	22.00
MAIN ANT	Reduced Power Level D2	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	22.16	23.50
MAIN ANT	Reduced Power Level D2	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	22.26	23.50
MAIN ANT	Reduced Power Level D2	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	22.20	23.50
MAIN ANT	Reduced Power Level D2	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	22.18	23.50

MAIN ANT	Reduced Power Level D3/D6	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	19.40	21.00
MAIN ANT	Reduced Power Level D3/D6	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	19.45	21.00
MAIN ANT	Reduced Power Level D3/D6	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	19.33	21.00
MAIN ANT	Reduced Power Level D3/D6	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	19.35	21.00
MAIN ANT	Reduced Power Level D4	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	17.80	19.00
MAIN ANT	Reduced Power Level D4	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	17.93	19.00
MAIN ANT	Reduced Power Level D4	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	17.89	19.00
MAIN ANT	Reduced Power Level D4	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	17.75	19.00
MAIN ANT	Reduced Power Level D5	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	19.36	20.50
MAIN ANT	Reduced Power Level D5	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	19.39	20.50
MAIN ANT	Reduced Power Level D5	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	19.45	20.50
MAIN ANT	Reduced Power Level D5	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	18.33	20.50
SEC ANT	Full Power	QPSK	38	20	1	99	37850	2580	38	20	38048	1	0	20.70	22.13
SEC ANT	Full Power	QPSK	38	20	1	0	38150	2610	38	20	37952	1	99	20.66	22.13
SEC ANT	Reduced Power Level D1	QPSK	38	20	1	99	37850	2580	38	20	38048	1	0	16.84	18.13
SEC ANT	Reduced Power Level D1	QPSK	38	20	1	0	38150	2610	38	20	37952	1	99	16.70	18.13
SEC ANT	Reduced Power Level D2	QPSK	38	20	1	99	37850	2580	38	20	38048	1	0	17.83	19.13
SEC ANT	Reduced Power Level D2	QPSK	38	20	1	0	38150	2610	38	20	37952	1	99	17.80	19.13
SEC ANT	Reduced Power Level D3	QPSK	38	20	1	99	37850	2580	38	20	38048	1	0	13.79	15.13
SEC ANT	Reduced Power Level D3	QPSK	38	20	1	0	38150	2610	38	20	37952	1	99	13.73	15.13
MAIN ANT	Full Power	QPSK	38	20	1	99	37850	2580	38	20	38048	1	0	22.24	23.63
MAIN ANT	Full Power	QPSK	38	20	1	0	38150	2610	38	20	37952	1	99	22.17	23.63
MAIN ANT	Reduced Power Level D3/D4/D5/D6	QPSK	38	20	1	99	37850	2580	38	20	38048	1	0	21.30	22.63
MAIN ANT	Reduced Power Level D3/D4/D5/D6	QPSK	38	20	1	0	38150	2610	38	20	37952	1	99	21.22	22.63
SEC ANT	Full Power	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	21.12	22.33

SEC ANT	Full Power	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	21.00	22.33
SEC ANT	Full Power	QPSK	41	20	1	0	40473	40473	41	20	40275	1	99	21.03	22.33
SEC ANT	Full Power	QPSK	41	20	1	99	40807	40807	41	20	41005	1	0	21.06	22.33
SEC ANT	Full Power	QPSK	41	20	1	0	40807	40807	41	20	40609	1	99	21.05	22.33
SEC ANT	Full Power	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	21.01	22.33
SEC ANT	Full Power	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	21.03	22.33
SEC ANT	Reduced Power Level D1	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	17.15	18.33
SEC ANT	Reduced Power Level D1	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	17.10	18.33
SEC ANT	Reduced Power Level D1	QPSK	41	20	1	0	40473	40473	41	20	40275	1	99	17.12	18.33
SEC ANT	Reduced Power Level D1	QPSK	41	20	1	99	40807	40807	41	20	41005	1	0	17.11	18.33
SEC ANT	Reduced Power Level D1	QPSK	41	20	1	0	40807	40807	41	20	40609	1	99	17.02	18.33
SEC ANT	Reduced Power Level D1	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	17.04	18.33
SEC ANT	Reduced Power Level D1	QPSK	41	20	1	0	40473	40473	41	20	40275	1	0	17.06	18.33
SEC ANT	Reduced Power Level D2	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	17.91	19.33
SEC ANT	Reduced Power Level D2	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	17.88	19.33
SEC ANT	Reduced Power Level D2	QPSK	41	20	1	0	40473	40473	41	20	40275	1	99	17.81	19.33
SEC ANT	Reduced Power Level D2	QPSK	41	20	1	99	40807	40807	41	20	41005	1	0	17.80	19.33
SEC ANT	Reduced Power Level D2	QPSK	41	20	1	0	40807	40807	41	20	40609	1	99	17.79	19.33
SEC ANT	Reduced Power Level D2	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	17.82	19.33
SEC ANT	Reduced Power Level D2	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	17.84	19.33
SEC ANT	Reduced Power Level D3	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	13.94	15.33
SEC ANT	Reduced Power Level D3	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	13.92	15.33
SEC ANT	Reduced Power Level D3	QPSK	41	20	1	0	40473	40473	41	20	40275	1	99	13.88	15.33

SEC ANT	Reduced Power Level D3	QPSK	41	20	1	99	40807	40807	41	20	41005	1	0	13.85	15.33
SEC ANT	Reduced Power Level D3	QPSK	41	20	1	0	40807	40807	41	20	40609	1	99	13.87	15.33
SEC ANT	Reduced Power Level D3	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	13.90	15.33
SEC ANT	Reduced Power Level D3	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	13.81	15.33
MAIN ANT	Full Power	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	22.36	23.83
MAIN ANT	Full Power	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	22.18	23.83
MAIN ANT	Full Power	QPSK	41	20	1	0	40473	40473	41	20	40275	1	99	22.00	23.83
MAIN ANT	Full Power	QPSK	41	20	1	99	40807	40807	41	20	41005	1	0	22.15	23.83
MAIN ANT	Full Power	QPSK	41	20	1	0	40807	40807	41	20	40609	1	99	22.02	23.83
MAIN ANT	Full Power	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	21.85	23.83
MAIN ANT	Full Power	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	22.21	23.83
MAIN ANT	Reduced Power Level D3/D4/D5/D6	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	21.20	22.83
MAIN ANT	Reduced Power Level D3/D4/D5/D6	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	21.15	22.83
MAIN ANT	Reduced Power Level D3/D4/D5/D6	QPSK	41	20	1	0	40473	40473	41	20	40275	1	99	21.06	22.83
MAIN ANT	Reduced Power Level D3/D4/D5/D6	QPSK	41	20	1	99	40807	40807	41	20	41005	1	0	21.11	22.83
MAIN ANT	Reduced Power Level D3/D4/D5/D6	QPSK	41	20	1	0	40807	40807	41	20	40609	1	99	21.08	22.83
MAIN ANT	Reduced Power Level D3/D4/D5/D6	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	21.01	22.83

Table 111: Additional Conducted Power test results of UL inter-band CA

Note: For uplink CA, additional SAR test is only required on the uplink CA configurations with 2 component carriers downlink. Additional SAR test is not required for uplink CA configurations with 3~4 component carriers downlink because the highest UL CA output power configuration with 3~4 component carriers downlink is < ¼ dB higher than the same UL CA output power configuration with 2 component carriers downlink.

7.1.31 Conducted power measurements of WiFi 2.4G

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
					Max.		
802.11b	Ant5(Core0)	1	2412	1Mbps	17.50	17.17	No
		2	2417		19.00	18.15	Yes
		6	2437		19.00	18.19	Yes
		11	2462		19.00	18.03	Yes
	Ant6(Core1)	1	2412	1Mbps	17.50	17.29	No
		2	2417		18.50	18.18	Yes
		6	2437		18.50	18.20	Yes
		11	2462		18.50	18.14	Yes
802.11g	Ant5(Core0)	1	2412	6Mbps	11.50	11.08	No
		2	2417		18.00	17.17	Yes
		6	2437		18.00	17.28	Yes
		10	2457		18.00	17.03	Yes
		11	2462		11.50	10.23	No
	Ant6(Core1)	1	2412	6Mbps	11.50	10.93	No
		2	2417		17.50	17.09	Yes
		6	2437		17.50	17.10	Yes
		10	2457		17.50	17.05	Yes
		11	2462		11.50	10.81	No
802.11n SISO 20M	Ant5(Core0)	1	2412	MCS0	11.50	10.84	No
		2	2417		17.00	16.18	No
		6	2437		17.00	16.32	No
		10	2457		17.00	16.10	No
		11	2462		11.50	10.75	No
	Ant6(Core1)	1	2412	MCS0	11.50	10.84	No
		2	2417		16.50	15.97	No
		6	2437		16.50	15.94	No
		10	2457		16.50	16.05	No
		11	2462		11.50	10.65	No
802.11n SISO 40M	Ant5(Core0)	3	2422	MCS0	9.00	7.93	No
		4	2427		17.00	16.15	No
		6	2437		17.00	16.21	No
		7	2442		8.00	6.98	No
		8	2447		8.00	6.90	No
		9	2452		8.00	6.74	No
		3	2422	MCS0	9.00	8.51	No
	Ant6(Core1)	4	2427		16.50	15.68	No
		6	2437		16.50	15.73	No
		7	2442		8.00	6.95	No
		8	2447		8.00	6.82	No
		9	2452		8.00	6.79	No
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
					Max.		
802.11g CDD	Ant5(Core0)	1	2412	6Mbps	11.50	11.08	No
		2	2417		18.00	17.17	No
		6	2437		18.00	17.28	No
		10	2457		18.00	17.03	No

	Ant6(Core1)	11	2462	6Mbps	11.50	10.23	No
		1	2412		11.50	10.93	No
		2	2417		17.50	17.09	No
		6	2437		17.50	17.10	No
		10	2457		17.50	17.05	No
		11	2462		11.50	10.81	No
	Sum	1	2412	6Mbps	14.50	14.02	No
		2	2417		20.80	20.14	No
		6	2437		20.80	20.20	No
		10	2457		20.80	20.05	No
		11	2462		14.50	13.54	No
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
					Max.		
802.11n MIMO 20M	Ant5(Core0)	1	2412	MCS8	11.50	10.84	No
		2	2417		17.00	16.18	No
		6	2437		17.00	16.32	No
		10	2457		17.00	16.10	No
		11	2462		11.50	10.75	No
	Ant6(Core1)	1	2412	MCS8	11.50	10.84	No
		2	2417		16.50	15.97	No
		6	2437		16.50	15.94	No
		10	2457		16.50	16.05	No
		11	2462		11.50	10.65	No
	Sum	1	2412	MCS8	14.50	13.85	No
		2	2417		19.80	19.09	No
		6	2437		19.80	19.14	No
		10	2457		19.80	19.09	No
		11	2462		14.50	13.71	No
802.11n MIMO 40M	Ant5(Core0)	3	2422	MCS8	9.00	7.93	No
		4	2427		17.00	16.15	No
		6	2437		17.00	16.21	No
		7	2442		8.00	6.98	No
		8	2447		8.00	6.90	No
		9	2452		8.00	6.74	No
	Ant6(Core1)	3	2422	MCS8	9.00	8.51	No
		4	2427		16.50	15.68	No
		6	2437		16.50	15.73	No
		7	2442		8.00	6.95	No
		8	2447		8.00	6.82	No
		9	2452		8.00	6.79	No
	Sum	3	2422	MCS8	12.00	11.24	No
		4	2427		19.80	18.93	No
		6	2437		19.80	18.99	No
		7	2442		11.00	9.98	No
		8	2447		11.00	9.87	No
		9	2452		11.00	9.78	No

Table 112: Test results conducted power measurement of WiFi 2.4G (Receiver OFF)

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
					Max.		
802.11b	Ant5(Core0)	1	2412	1Mbps	11.00	10.23	Yes
		6	2437		11.00	10.51	Yes
		11	2462		11.00	10.50	Yes
	Ant6(Core1)	1	2412	1Mbps	11.00	10.49	Yes
		6	2437		11.00	10.56	Yes
		11	2462		11.00	10.55	Yes
802.11g SISO	Ant5(Core0)	1	2412	6Mbps	11.00	10.01	No
		6	2437		11.00	10.35	No
		11	2462		11.00	10.13	No
	Ant6(Core1)	1	2412	6Mbps	11.00	10.00	No
		6	2437		11.00	10.22	No
		11	2462		11.00	10.10	No
802.11n SISO 20M	Ant5(Core0)	1	2412	MCS0	11.00	10.14	No
		6	2437		11.00	10.11	No
		11	2462		11.00	10.18	No
	Ant6(Core1)	1	2412	MCS0	11.00	10.13	No
		6	2437		11.00	10.24	No
		11	2462		11.00	10.17	No
802.11n SISO 40M	Ant5(Core0)	3	2422	MCS0	9.00	7.37	No
		4	2427		11.00	10.19	Yes
		5	2432		11.00	10.18	Yes
		6	2437		11.00	10.20	Yes
		7	2442		8.00	6.61	No
		8	2447		8.00	6.63	No
		9	2452		8.00	6.75	No
	Ant6(Core1)	3	2422	MCS0	9.00	7.55	Yes
		4	2427		11.00	10.19	Yes
		6	2437		11.00	10.25	Yes
		5	2432		11.00	10.15	Yes
		7	2442		8.00	6.40	No
		8	2447		8.00	6.31	No
		9	2452		8.00	6.86	No
Mode	Ant	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
					Max.		
802.11g CDD	Ant5(Core0)	1	2412	6Mbps	11.00	10.01	No
		6	2437		11.00	10.35	No
		11	2462		11.00	10.13	No
	Ant6(Core1)	1	2412	6Mbps	11.00	10.00	No
		6	2437		11.00	10.22	No
		11	2462		11.00	10.10	No
	Sum	1	2412	MCS8	14.00	13.02	No
		6	2437		14.00	13.30	No
		11	2462		14.00	13.13	No
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
					Max.		
802.11n MIMO 20M	Ant5(Core0)	1	2412	MCS8	11.00	10.14	No
		6	2437		11.00	10.11	No
		11	2462		11.00	10.18	No

	Ant6(Core1)	1	2412	MCS8	11.00	10.13	No
		6	2437		11.00	10.24	No
		11	2462		11.00	10.17	No
	Sum	1	2412	MCS8	14.00	13.15	No
		6	2437		14.00	13.19	No
		11	2462		14.00	13.19	No
802.11n MIMO 40M	Ant5(Core0)	3	2422	MCS8	9.00	7.37	No
		4	2427		11.00	10.19	No
		5	2432		11.00	10.18	No
		6	2437		11.00	10.20	No
		7	2442		8.00	6.61	No
		8	2447		8.00	6.63	No
		9	2452		8.00	6.75	No
	Ant6(Core1)	3	2422	MCS8	9.00	7.55	No
		4	2427		11.00	10.19	No
		5	2432		11.00	10.15	No
		6	2437		11.00	10.25	No
		7	2442		8.00	6.40	No
		8	2447		8.00	6.31	No
		9	2452		8.00	6.26	No
	Sum	3	2422	MCS8	12.00	10.47	No
		4	2427		14.00	13.20	No
		5	2432		11.00	13.18	No
		6	2437		14.00	13.24	No
		7	2442		11.00	9.52	No
		8	2447		11.00	9.48	No
		9	2452		11.00	9.52	No

Table 113: Test results conducted power measurement of WiFi 2.4G (Receiver ON)

Note:

- 1) The bolded mode was selected for SAR testing.
- 2) As different maximum tune-up output power is specified across the different channels range. So the additional conducted power measurement for the adjacent channel of each power level stage is also performed in this report to ensure compliance.

7.1.32 Conducted power measurements of WiFi 5G

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
					Max.		
802.11a	Ant5(Core0)	CH 36	5180	6Mbps	11.50	11.40	No
		CH 40	5200		17.00	16.60	Yes
		CH 44	5220		17.00	16.63	Yes
		CH 48	5240		17.00	16.60	Yes
		CH 52	5260		17.00	16.74	Yes
		CH 56	5280		17.00	16.89	Yes
		CH 60	5300		17.00	16.88	Yes
		CH 64	5320		11.50	11.38	No
		CH 100	5500		11.50	10.75	No
		CH 104	5520		17.00	16.58	Yes
		CH 108	5540		17.00	16.71	No
		CH 112	5560		17.00	16.62	No
		CH 116	5580		17.00	16.89	Yes
		CH 120	5600		17.00	16.87	No
		CH 124	5620		17.00	16.88	No
		CH 128	5640		17.00	16.88	No
		CH 132	5660		17.00	16.84	No
		CH 136	5680		17.00	16.88	Yes
		CH 140	5700		10.50	10.22	No
		CH 149	5745		11.50	11.20	No
		CH 153	5765		11.50	11.39	No
		CH 157	5785		11.50	11.40	No
		CH 161	5805		11.50	11.39	No
		CH 165	5825		11.50	11.39	No
	Ant6(Core1)	CH 36	5180	6Mbps	11.50	11.32	No
		CH 40	5200		16.50	16.31	Yes
		CH 44	5220		16.50	16.32	Yes
		CH 48	5240		16.50	16.31	Yes
		CH 52	5260		16.50	16.31	Yes
		CH 56	5280		16.50	16.32	Yes
		CH 60	5300		16.50	16.30	Yes
		CH 64	5320		11.50	11.40	No
		CH 100	5500		11.50	11.39	No
		CH 104	5520		16.50	16.31	Yes
		CH 108	5540		16.50	16.29	No
		CH 112	5560		16.50	16.31	No
		CH 116	5580		16.50	16.32	Yes
		CH 120	5600		16.50	16.31	No
		CH 124	5620		16.50	16.30	No
		CH 128	5640		16.50	16.31	No
		CH 132	5660		16.50	16.30	No
		CH 136	5680		16.50	16.31	Yes
		CH 140	5700		10.50	10.38	No
		CH 149	5745		11.50	11.31	No
		CH 153	5765		11.50	11.30	No
		CH 157	5785		11.50	11.32	No
		CH 161	5805		11.50	11.32	No
		CH 165	5825		11.50	11.31	No
Mode	Antenna	Channel			Tune-up	Average	

			Frequency (MHz)	Data Rate (Mbps)	Max.	Power (dBm)	SAR Test (Yes/No)
802.11n SISO 20M (5GHz)	Ant5(Core0)	CH 36	5180	MCS0	11.50	10.89	No
		CH 40	5200		17.00	16.16	No
		CH 44	5220		17.00	15.94	No
		CH 48	5240		17.00	16.13	No
		CH 52	5260		17.00	16.35	No
		CH 56	5280		17.00	16.25	No
		CH 60	5300		17.00	16.51	No
		CH 64	5320		11.50	11.39	No
		CH 100	5500		11.50	10.24	No
		CH 104	5520		17.00	16.06	No
		CH 108	5540		17.00	16.14	No
		CH 112	5560		17.00	16.25	No
		CH 116	5580		17.00	16.87	No
		CH 120	5600		17.00	16.60	No
		CH 124	5620		17.00	16.83	No
		CH 128	5640		17.00	16.61	No
		CH 132	5660		17.00	16.80	No
		CH 136	5680		17.00	16.39	No
		CH 140	5700		10.50	9.76	No
		CH 149	5745		11.50	11.01	No
		CH 153	5765		11.50	11.38	No
		CH 157	5785		11.50	11.03	No
		CH 161	5805		11.50	11.25	No
		CH 165	5825		11.50	11.39	No
	Ant6(Core1)	CH 36	5180	MCS0	11.50	11.39	No
		CH 40	5200		16.50	16.26	No
		CH 44	5220		16.50	16.39	No
		CH 48	5240		16.50	16.08	No
		CH 52	5260		16.50	16.14	No
		CH 56	5280		16.50	15.94	No
		CH 60	5300		16.50	15.84	No
		CH 64	5320		11.50	10.91	No
		CH 100	5500		11.50	11.05	No
		CH 104	5520		16.50	16.40	No
		CH 108	5540		16.50	15.85	No
		CH 112	5560		16.50	15.85	No
		CH 116	5580		16.50	15.87	No
		CH 120	5600		16.50	16.08	No
		CH 124	5620		16.50	16.25	No
		CH 128	5640		16.50	16.36	No
		CH 132	5660		16.50	16.40	No
		CH 136	5680		16.50	16.40	No
		CH 140	5700		10.50	10.40	No
		CH 149	5745		11.50	11.33	No
		CH 153	5765		11.50	11.28	No
		CH 157	5785		11.50	11.29	No
		CH 161	5805		11.50	11.08	No
		CH 165	5825		11.50	11.40	No

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
					Max.		
802.11n SISO 40M (5GHz)	Ant5(Core0)	CH 38	5190	MCS0	9.50	9.35	No
		CH 46	5230		16.50	15.89	No
		CH 54	5270		16.50	16.02	No
		CH 62	5310		9.50	9.17	No
		CH 102	5510		9.50	8.84	No
		CH 110	5550		16.50	15.94	No
		CH 118	5590		16.50	15.32	No
		CH 126	5630		16.50	15.79	No
		CH 134	5670		9.50	8.31	No
		CH 151	5755		11.50	10.94	No
		CH 159	5795		11.50	11.39	No
	Ant6(Core1)	CH 38	5190	MCS0	9.50	9.02	No
		CH 46	5230		16.00	15.56	No
		CH 54	5270		16.00	15.45	No
		CH 62	5310		9.50	8.91	No
		CH 102	5510		9.50	8.93	No
		CH 110	5550		16.00	15.25	No
		CH 118	5590		16.00	15.58	No
		CH 126	5630		16.00	15.87	No
		CH 134	5670		9.50	9.39	No
		CH 151	5755		11.50	10.78	No
		CH 159	5795		11.50	11.34	No
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
					Max.		
802.11ac SISO 20M (5GHz)	Ant5(Core0)	CH 36	5180	MCS0	11.50	11.04	No
		CH 40	5200		17.00	16.18	No
		CH 44	5220		17.00	15.96	No
		CH 48	5240		17.00	15.96	No
		CH 52	5260		17.00	16.13	No
		CH 56	5280		17.00	16.45	No
		CH 60	5300		17.00	16.78	No
		CH 64	5320		11.50	11.40	No
		CH 100	5500		11.50	10.09	No
		CH 104	5520		17.00	16.11	No
		CH 108	5540		17.00	16.18	No
		CH 112	5560		17.00	16.52	No
		CH 116	5580		17.00	16.37	No
		CH 120	5600		17.00	16.39	No
		CH 124	5620		17.00	16.86	No
		CH 128	5640		17.00	16.26	No
		CH 132	5660		17.00	16.75	No
		CH 136	5680		17.00	16.14	No
		CH 140	5700		10.50	9.32	No
		CH 149	5745		11.50	10.39	No
		CH 153	5765		11.50	10.80	No
		CH 157	5785		11.50	11.03	No
		CH 161	5805		11.50	11.01	No
		CH 165	5825		11.50	11.39	No
	Ant6(Core1)	CH 36	5180	MCS0	11.50	11.24	No

		CH 40	5200		16.50	16.07	No
		CH 44	5220		16.50	16.33	No
		CH 48	5240		16.50	16.34	No
		CH 52	5260		16.50	15.70	No
		CH 56	5280		16.50	15.69	No
		CH 60	5300		16.50	15.59	No
		CH 64	5320		11.50	10.69	No
		CH 100	5500		11.50	10.88	No
		CH 104	5520		16.50	15.46	No
		CH 108	5540		16.50	15.42	No
		CH 112	5560		16.50	15.35	No
		CH 116	5580		16.50	15.30	No
		CH 120	5600		16.50	15.60	No
		CH 124	5620		16.50	15.85	No
		CH 128	5640		16.50	16.10	No
		CH 132	5660		16.50	16.40	No
		CH 136	5680		16.50	16.03	No
		CH 140	5700		10.50	10.21	No
		CH 149	5745		11.50	11.10	No
		CH 153	5765		11.50	11.00	No
		CH 157	5785		11.50	10.85	No
		CH 161	5805		11.50	10.85	No
		CH 165	5825		11.50	10.39	No
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
					Max.		
802.11ac SISO 40M (5GHz)	Ant5(Core0)	CH 38	5190	MCS0	9.50	8.72	No
		CH 46	5230		16.50	15.64	No
		CH 54	5270		16.50	15.69	No
		CH 62	5310		9.50	9.31	No
		CH 102	5510		9.50	8.39	No
		CH 110	5550		16.50	16.17	No
		CH 118	5590		16.50	16.22	No
		CH 126	5630		16.50	16.07	No
		CH 134	5670		9.50	8.27	No
		CH 151	5755		11.50	10.40	No
	Ant6(Core1)	CH 159	5795	MCS0	11.50	11.29	No
		CH 38	5190		9.50	9.12	No
		CH 46	5230		16.00	15.62	No
		CH 54	5270		16.00	15.38	No
		CH 62	5310		9.50	8.87	No
		CH 102	5510		9.50	8.86	No
		CH 110	5550		16.00	15.23	No
		CH 118	5590		16.00	15.69	No
		CH 126	5630		16.00	15.75	No
		CH 134	5670		9.50	9.33	No
		CH 151	5755		11.50	11.38	No
		CH 159	5795		11.50	11.32	No

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
					Max.		
802.11ac SISO 80M	Ant5(Core0)	CH 42	5210	MCS0	9.50	8.79	No
		CH 58	5290		9.50	9.34	No
		CH 106	5530		9.50	8.79	No
		CH 122	5610		9.50	8.83	No
		CH 155	5775		11.50	11.35	Yes
	Ant6(Core1)	CH 42	5210	MCS0	9.50	9.09	No
		CH 58	5290		9.50	8.77	No
		CH 106	5530		9.50	8.82	No
		CH 122	5610		9.50	9.08	No
		CH 155	5775		11.50	10.72	Yes
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up Max.	Average Power (dBm)	SAR Test (Yes/No)
802.11ac SISO 160M (5GHz)	Ant5(Core0)	CH 50	5250	MCS0	9.00	8.41	No
		CH 114	5570		9.00	8.33	No
	Ant6(Core1)	CH 50	5250	MCS0	8.50	7.76	No
		CH 114	5570		8.50	7.56	No
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up Max.	Average Power (dBm)	SAR Test (Yes/No)
802.11a CDD (5GHz)	Ant5(Core0)	CH 36	5180	MCS8	11.50	11.40	No
		CH 40	5200		17.00	16.70	No
		CH 44	5220		17.00	16.53	No
		CH 48	5240		17.00	16.60	No
		CH 52	5260		17.00	16.74	No
		CH 56	5280		17.00	16.89	No
		CH 60	5300		17.00	16.90	No
		CH 64	5320		11.50	11.40	No
		CH 100	5500		11.50	10.75	No
		CH 104	5520		17.00	16.58	No
		CH 108	5540		17.00	16.71	No
		CH 112	5560		17.00	16.62	No
		CH 116	5580		17.00	16.89	No
		CH 120	5600		17.00	16.90	No
		CH 124	5620		17.00	16.90	No
		CH 128	5640		17.00	16.89	No
		CH 132	5660		17.00	16.89	No
		CH 136	5680		17.00	16.85	No
		CH 140	5700		10.50	10.22	No
		CH 149	5745		11.50	11.20	No
		CH 153	5765		11.50	11.39	No
		CH 157	5785		11.50	11.40	No
		CH 161	5805		11.50	11.39	No
		CH 165	5825		11.50	11.39	No
	Ant6(Core1)	CH 36	5180	MCS8	11.50	11.40	No
		CH 40	5200		16.50	16.39	No
		CH 44	5220		16.50	16.39	No
		CH 48	5240		16.50	16.40	No
		CH 52	5260		16.50	16.39	No
		CH 56	5280		16.50	16.38	No

		CH 60	5300		16.50	16.39	No
		CH 64	5320		11.50	11.48	No
		CH 100	5500		11.50	11.47	No
		CH 104	5520		16.50	16.50	No
		CH 108	5540		16.50	16.37	No
		CH 112	5560		16.50	16.47	No
		CH 116	5580		16.50	16.42	No
		CH 120	5600		16.50	16.45	No
		CH 124	5620		16.50	16.40	No
		CH 128	5640		16.50	16.39	No
		CH 132	5660		16.50	16.38	No
		CH 136	5680		16.50	16.39	No
		CH 140	5700		10.50	10.40	No
		CH 149	5745		11.50	11.39	No
		CH 153	5765		11.50	11.38	No
		CH 157	5785		11.50	11.40	No
		CH 161	5805		11.50	11.40	No
		CH 165	5825		11.50	11.39	No
	Sum	CH 36	5180	MCS8	14.50	14.41	No
		CH 40	5200		19.80	19.56	No
		CH 44	5220		19.80	19.47	No
		CH 48	5240		19.80	19.51	No
		CH 52	5260		19.80	19.58	No
		CH 56	5280		19.80	19.65	No
		CH 60	5300		19.80	19.66	No
		CH 64	5320		14.50	14.45	No
		CH 100	5500		14.50	14.14	No
		CH 104	5520		19.80	19.55	No
		CH 108	5540		19.80	19.55	No
		CH 112	5560		19.80	19.56	No
		CH 116	5580		19.80	19.67	No
		CH 120	5600		19.80	19.69	No
		CH 124	5620		19.80	19.67	No
		CH 128	5640		19.80	19.66	No
		CH 132	5660		19.80	19.65	No
		CH 136	5680		19.80	19.64	No
		CH 140	5700		13.50	13.32	No
		CH 149	5745		14.50	14.31	No
		CH 153	5765		14.50	14.40	No
		CH 157	5785		14.50	14.41	No
		CH 161	5805		14.50	14.41	No
		CH 165	5825		14.50	14.40	No
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up Max.	Average Power (dBm)	SAR Test (Yes/No)
802.11n MIMO 20M (5GHz)	Ant5(Core0)	CH 36	5180	MCS8	11.50	10.89	No
		CH 40	5200		17.00	16.16	No
		CH 44	5220		17.00	15.94	No
		CH 48	5240		17.00	16.13	No
		CH 52	5260		17.00	16.35	No
		CH 56	5280		17.00	16.25	No
		CH 60	5300		17.00	16.51	No
		CH 64	5320		11.50	11.39	No

		CH 100	5500		11.50	10.24	No
		CH 104	5520		17.00	16.06	No
		CH 108	5540		17.00	16.14	No
		CH 112	5560		17.00	16.25	No
		CH 116	5580		17.00	16.87	No
		CH 120	5600		17.00	16.60	No
		CH 124	5620		17.00	16.83	No
		CH 128	5640		17.00	16.61	No
		CH 132	5660		17.00	16.80	No
		CH 136	5680		17.00	16.39	No
		CH 140	5700		10.50	9.76	No
		CH 149	5745		11.50	11.01	No
		CH 153	5765		11.50	11.38	No
		CH 157	5785		11.50	11.03	No
		CH 161	5805		11.50	11.25	No
		CH 165	5825		11.50	11.39	No
	Ant6(Core1)	CH 36	5180	MCS8	11.50	11.39	No
		CH 40	5200		16.50	16.26	No
		CH 44	5220		16.50	16.39	No
		CH 48	5240		16.50	16.08	No
		CH 52	5260		16.50	16.14	No
		CH 56	5280		16.50	15.94	No
		CH 60	5300		16.50	15.84	No
		CH 64	5320		11.50	10.91	No
		CH 100	5500		11.50	11.05	No
		CH 104	5520		16.50	16.40	No
		CH 108	5540		16.50	15.85	No
		CH 112	5560		16.50	15.85	No
		CH 116	5580		16.50	15.87	No
		CH 120	5600		16.50	16.08	No
		CH 124	5620		16.50	16.25	No
		CH 128	5640		16.50	16.36	No
		CH 132	5660		16.50	16.40	No
		CH 136	5680		16.50	16.40	No
		CH 140	5700		10.50	10.40	No
		CH 149	5745		11.50	11.33	No
		CH 153	5765		11.50	11.28	No
		CH 157	5785		11.50	11.29	No
		CH 161	5805		11.50	11.08	No
		CH 165	5825		11.50	11.40	No
	Sum	CH 36	5180	MCS8	14.50	14.16	No
		CH 40	5200		19.80	19.22	No
		CH 44	5220		19.80	19.18	No
		CH 48	5240		19.80	19.12	No
		CH 52	5260		19.80	19.26	No
		CH 56	5280		19.80	19.11	No
		CH 60	5300		19.80	19.20	No
		CH 64	5320		14.50	14.17	No
		CH 100	5500		14.50	13.67	No
		CH 104	5520		19.80	19.24	No
		CH 108	5540		19.80	19.01	No
		CH 112	5560		19.80	19.06	No
		CH 116	5580		19.80	19.41	No

		CH 120	5600		19.80	19.36	No
		CH 124	5620		19.80	19.56	No
		CH 128	5640		19.80	19.50	No
		CH 132	5660		19.80	19.61	No
		CH 136	5680		19.80	19.41	No
		CH 140	5700		13.50	13.10	No
		CH 149	5745		14.50	14.18	No
		CH 153	5765		14.50	14.34	No
		CH 157	5785		14.50	14.17	No
		CH 161	5805		14.50	14.18	No
		CH 165	5825		14.50	14.41	No
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
					Max.		
802.11n MIMO 40M (5GHz)	Ant5(Core0)	CH 38	5190	MCS8	9.50	9.35	No
		CH 46	5230		16.50	15.89	No
		CH 54	5270		16.50	16.02	No
		CH 62	5310		9.50	9.17	No
		CH 102	5510		9.50	8.84	No
		CH 110	5550		16.50	15.94	No
		CH 118	5590		16.50	15.32	No
		CH 126	5630		16.50	15.79	No
		CH 134	5670		9.50	8.31	No
		CH 151	5755		11.50	10.94	No
		CH 159	5795		11.50	11.39	No
	Ant6(Core1)	CH 38	5190	MCS8	9.50	9.02	No
		CH 46	5230		16.00	15.56	No
		CH 54	5270		16.00	15.45	No
		CH 62	5310		9.50	8.91	No
		CH 102	5510		9.50	8.93	No
		CH 110	5550		16.00	15.25	No
		CH 118	5590		16.00	15.58	No
		CH 126	5630		16.00	15.87	No
		CH 134	5670		9.50	9.39	No
		CH 151	5755		11.50	10.78	No
		CH 159	5795		11.50	11.34	No
	Sum	CH 38	5190	MCS8	12.50	12.20	No
		CH 46	5230		19.30	18.74	No
		CH 54	5270		19.30	18.75	No
		CH 62	5310		12.50	12.05	No
		CH 102	5510		12.50	11.90	No
		CH 110	5550		19.30	18.62	No
		CH 118	5590		19.30	18.46	No
		CH 126	5630		19.30	18.84	No
		CH 134	5670		12.50	11.89	No
		CH 151	5755		14.50	13.87	No
		CH 159	5795		14.50	14.38	No

Mode	Antenna	Channel	Frequency(MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test(Yes/No)
					Max.		
802.11ac MIMO 20M (5GHz)	Ant5(Core0)	CH 36	5180	MCS0	11.50	11.04	No
		CH 40	5200		17.00	16.18	No
		CH 44	5220		17.00	15.96	No
		CH 48	5240		17.00	15.96	No
		CH 52	5260		17.00	16.13	No
		CH 56	5280		17.00	16.45	No
		CH 60	5300		17.00	16.78	No
		CH 64	5320		11.50	11.40	No
		CH 100	5500		11.50	10.09	No
		CH 104	5520		17.00	16.11	No
		CH 108	5540		17.00	16.18	No
		CH 112	5560		17.00	16.52	No
		CH 116	5580		17.00	16.37	No
		CH 120	5600		17.00	16.39	No
		CH 124	5620		17.00	16.86	No
		CH 128	5640		17.00	16.26	No
		CH 132	5660		17.00	16.75	No
		CH 136	5680		17.00	16.14	No
		CH 140	5700		10.50	9.32	No
		CH 149	5745		11.50	10.39	No
		CH 153	5765		11.50	10.80	No
		CH 157	5785		11.50	11.03	No
		CH 161	5805		11.50	11.01	No
		CH 165	5825		11.50	11.39	No
	Ant6(Core1)	CH 36	5180	MCS0	11.50	11.24	No
		CH 40	5200		16.50	16.07	No
		CH 44	5220		16.50	16.33	No
		CH 48	5240		16.50	16.34	No
		CH 52	5260		16.50	15.70	No
		CH 56	5280		16.50	15.69	No
		CH 60	5300		16.50	15.59	No
		CH 64	5320		11.50	10.69	No
		CH 100	5500		11.50	10.88	No
		CH 104	5520		16.50	15.46	No
		CH 108	5540		16.50	15.42	No
		CH 112	5560		16.50	15.35	No
		CH 116	5580		16.50	15.30	No
		CH 120	5600		16.50	15.60	No
		CH 124	5620		16.50	15.85	No
		CH 128	5640		16.50	16.10	No
		CH 132	5660		16.50	16.40	No
		CH 136	5680		16.50	16.03	No
		CH 140	5700		10.50	10.21	No
		CH 149	5745		11.50	11.10	No
		CH 153	5765		11.50	11.00	No
		CH 157	5785		11.50	10.85	No
		CH 161	5805		11.50	10.85	No
		CH 165	5825		11.50	10.39	No
	Sum	CH 36	5180	MCS0	14.50	14.15	No
		CH 40	5200		19.80	19.14	No

		CH 44	5220		19.80	19.16	No
		CH 48	5240		19.80	19.16	No
		CH 52	5260		19.80	18.93	No
		CH 56	5280		19.80	19.10	No
		CH 60	5300		19.80	19.24	No
		CH 64	5320		14.50	14.07	No
		CH 100	5500		14.50	13.51	No
		CH 104	5520		19.80	18.81	No
		CH 108	5540		19.80	18.83	No
		CH 112	5560		19.80	18.98	No
		CH 116	5580		19.80	18.88	No
		CH 120	5600		19.80	19.02	No
		CH 124	5620		19.80	19.39	No
		CH 128	5640		19.80	19.19	No
		CH 132	5660		19.80	19.59	No
		CH 136	5680		19.80	19.10	No
		CH 140	5700		13.50	12.80	No
		CH 149	5745		14.50	13.77	No
		CH 153	5765		14.50	13.91	No
		CH 157	5785		14.50	13.95	No
		CH 161	5805		14.50	13.94	No
		CH 165	5825		14.50	13.93	No
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
					Max.		
802.11ac MIMO 40M (5GHz)	Ant5(Core0)	CH 38	5190	MCS0	9.50	8.72	No
		CH 46	5230		16.50	15.64	No
		CH 54	5270		16.50	15.69	No
		CH 62	5310		9.50	9.31	No
		CH 102	5510		9.50	8.39	No
		CH 110	5550		16.50	16.17	No
		CH 118	5590		16.50	16.22	No
		CH 126	5630		16.50	16.07	No
		CH 134	5670		9.50	8.27	No
		CH 151	5755		11.50	10.40	No
		CH 159	5795		11.50	11.29	No
	Ant6(Core1)	CH 38	5190	MCS0	9.50	9.12	No
		CH 46	5230		16.00	15.62	No
		CH 54	5270		16.00	15.38	No
		CH 62	5310		9.50	8.87	No
		CH 102	5510		9.50	8.86	No
		CH 110	5550		16.00	15.23	No
		CH 118	5590		16.00	15.69	No
		CH 126	5630		16.00	15.75	No
		CH 134	5670		9.50	9.33	No
		CH 151	5755		11.50	11.38	No
		CH 159	5795		11.50	11.32	No
	Sum	CH 38	5190	MCS0	12.50	11.93	No
		CH 46	5230		19.30	18.64	No
		CH 54	5270		19.30	18.55	No
		CH 62	5310		12.50	12.11	No
		CH 102	5510		12.50	11.64	No
		CH 110	5550		19.30	18.74	No

		CH 118	5590		19.30	18.97	No
		CH 126	5630		19.30	18.92	No
		CH 134	5670		12.50	11.84	No
		CH 151	5755		14.50	13.93	No
		CH 159	5795		14.50	14.32	No
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
					Max.		
802.11ac MIMO 80M (5GHz)	Ant5(Core0)	CH 42	5210	MCS0	9.50	8.79	No
		CH 58	5290		9.50	9.34	No
		CH 106	5530		9.50	8.79	No
		CH 122	5610		9.50	8.83	No
		CH 155	5775		11.50	11.35	No
	Ant6(Core1)	CH 42	5210	MCS0	9.50	9.09	No
		CH 58	5290		9.50	8.77	No
		CH 106	5530		9.50	8.82	No
		CH 122	5610		9.50	9.08	No
		CH 155	5775		11.50	10.72	No
	Sum	CH 42	5210	MCS0	12.50	11.95	No
		CH 58	5290		12.50	12.07	No
		CH 106	5530		12.50	11.82	No
		CH 122	5610		12.50	11.97	No
		CH 155	5775		14.50	14.06	No
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
					Max.		
802.11ac MIMO 160 (5GHz)	Ant5(Core0)	CH 50	5250	MCS0	9.00	8.41	No
		CH 114	5570		9.00	8.33	No
	Ant6(Core1)	CH 50	5250	MCS0	8.50	7.76	No
		CH 114	5570		8.50	7.56	No
	Sum	CH 50	5250	MCS0	11.80	11.11	No
		CH 114	5570		11.80	10.97	No

Table 114: Test results conducted power measurement of WiFi 5G (Receiver OFF)

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
					Max.		
802.11a SISO	Ant5(Core0)	CH 36	5180	6Mbps	11.50	11.37	No
		CH 40	5200		12.50	12.24	No
		CH 44	5220		12.50	12.03	No
		CH 48	5240		12.50	12.04	No
		CH 52	5260		12.50	12.22	No
		CH 56	5280		12.50	12.38	No
		CH 60	5300		12.50	12.40	No
		CH 64	5320		11.50	11.39	No
		CH 100	5500		11.50	10.83	No
		CH 104	5520		12.50	12.13	No
		CH 108	5540		12.50	12.11	No
		CH 112	5560		12.50	12.38	No
		CH 116	5580		12.50	12.39	No
		CH 120	5600		12.50	12.40	No
		CH 124	5620		12.50	12.39	No
		CH 128	5640		12.50	12.38	No
		CH 132	5660		12.50	12.40	No
		CH 136	5680		12.50	12.22	No
		CH 140	5700		10.50	10.21	No
		CH 149	5745		11.50	11.35	No
		CH 153	5765		11.50	11.40	No
		CH 157	5785		11.50	11.40	No
		CH 161	5805		11.50	11.39	No
		CH 165	5825		11.50	11.39	No
	Ant6(Core1)	CH 36	5180	6Mbps	11.50	11.40	No
		CH 40	5200		12.50	12.39	No
		CH 44	5220		12.50	12.39	No
		CH 48	5240		12.50	12.39	No
		CH 52	5260		12.50	12.40	No
		CH 56	5280		12.50	12.40	No
		CH 60	5300		12.50	12.39	No
		CH 64	5320		11.50	11.39	No
		CH 100	5500		11.50	11.39	No
		CH 104	5520		12.50	12.38	No
		CH 108	5540		12.50	12.12	No
		CH 112	5560		12.50	12.04	No
		CH 116	5580		12.50	12.23	No
		CH 120	5600		12.50	12.39	No
		CH 124	5620		12.50	12.39	No
		CH 128	5640		12.50	12.39	No
		CH 132	5660		12.50	12.38	No
		CH 136	5680		12.50	12.40	No
		CH 140	5700		10.50	10.39	No
		CH 149	5745		11.50	11.39	No
		CH 153	5765		11.50	11.38	No
		CH 157	5785		11.50	11.36	No
		CH 161	5805		11.50	11.40	No
		CH 165	5825		11.50	11.39	No

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
					Max.		
802.11n SISO 20M (5GHz)	Ant5(Core0)	CH 36	5180	MCS0	11.50	11.34	No
		CH 40	5200		12.50	12.04	No
		CH 44	5220		12.50	11.85	No
		CH 48	5240		12.50	11.80	No
		CH 52	5260		12.50	12.05	No
		CH 56	5280		12.50	12.37	No
		CH 60	5300		12.50	12.18	No
		CH 64	5320		11.50	11.32	No
		CH 100	5500		11.50	10.35	No
		CH 104	5520		12.50	11.72	No
		CH 108	5540		12.50	11.92	No
		CH 112	5560		12.50	12.07	No
		CH 116	5580		12.50	11.81	No
		CH 120	5600		12.50	12.31	No
		CH 124	5620		12.50	12.01	No
		CH 128	5640		12.50	11.90	No
		CH 132	5660		12.50	11.76	No
		CH 136	5680		12.50	11.76	No
		CH 140	5700		10.50	9.39	No
		CH 149	5745		11.50	10.94	No
		CH 153	5765		11.50	11.11	No
		CH 157	5785		11.50	11.25	No
		CH 161	5805		11.50	11.30	No
		CH 165	5825		11.50	11.40	No
	Ant6(Core1)	CH 36	5180	MCS0	11.50	11.36	No
		CH 40	5200		12.50	12.25	No
		CH 44	5220		12.50	12.28	No
		CH 48	5240		12.50	12.19	No
		CH 52	5260		12.50	12.11	No
		CH 56	5280		12.50	12.14	No
		CH 60	5300		12.50	12.01	No
		CH 64	5320		11.50	11.01	No
		CH 100	5500		11.50	10.96	No
		CH 104	5520		12.50	11.91	No
		CH 108	5540		12.50	11.81	No
		CH 112	5560		12.50	11.83	No
		CH 116	5580		12.50	12.01	No
		CH 120	5600		12.50	12.09	No
		CH 124	5620		12.50	12.33	No
		CH 128	5640		12.50	12.29	No
		CH 132	5660		12.50	12.38	No
		CH 136	5680		12.50	12.29	No
		CH 140	5700		10.50	10.35	No
		CH 149	5745		11.50	11.08	No
		CH 153	5765		11.50	11.11	No
		CH 157	5785		11.50	11.14	No
		CH 161	5805		11.50	11.25	No
		CH 165	5825		11.50	11.39	No

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
					Max.		
802.11n SISO 40M	Ant5(Core0)	CH 38	5190	MCS0	9.50	8.44	No
		CH 46	5230		12.50	11.42	No
		CH 54	5270		12.50	12.19	Yes
		CH 62	5310		9.50	8.52	Yes
		CH 102	5510		9.50	9.01	No
		CH 110	5550		12.50	11.84	Yes
		CH 118	5590		12.50	11.83	Yes
		CH 126	5630		12.50	11.83	Yes
		CH 134	5670		9.50	8.26	No
		CH 151	5755		11.50	11.32	No
		CH 159	5795		11.50	11.33	No
	Ant6(Core1)	CH 38	5190	MCS0	9.50	9.39	No
		CH 46	5230		12.50	12.39	No
		CH 54	5270		12.50	12.38	Yes
		CH 62	5310		9.50	9.39	Yes
		CH 102	5510		9.50	9.19	No
		CH 110	5550		12.50	12.02	Yes
		CH 118	5590		12.50	11.80	Yes
		CH 126	5630		12.50	12.01	Yes
		CH 134	5670		9.50	9.30	No
		CH 151	5755		11.50	11.30	No
		CH 159	5795		11.50	11.29	No
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
					Max.		
802.11ac SISO 20M (5GHz)	Ant5(Core0)	CH 36	5180	MCS0	11.50	11.15	No
		CH 40	5200		12.50	12.39	No
		CH 44	5220		12.50	12.29	No
		CH 48	5240		12.50	12.33	No
		CH 52	5260		12.50	12.22	No
		CH 56	5280		12.50	12.40	No
		CH 60	5300		12.50	12.39	No
		CH 64	5320		11.50	11.13	No
		CH 100	5500		11.50	11.14	No
		CH 104	5520		12.50	12.39	No
		CH 108	5540		12.50	12.39	No
		CH 112	5560		12.50	12.40	No
		CH 116	5580		12.50	12.15	No
		CH 120	5600		12.50	12.31	No
		CH 124	5620		12.50	11.70	No
		CH 128	5640		12.50	11.67	No
		CH 132	5660		12.50	11.92	No
		CH 136	5680		12.50	12.01	No
		CH 140	5700		10.50	9.72	No
		CH 149	5745		11.50	11.17	No
		CH 153	5765		11.50	11.33	No
		CH 157	5785		11.50	11.40	No
		CH 161	5805		11.50	11.23	No
		CH 165	5825		11.50	11.19	No
	Ant6(Core1)	CH 36	5180	MCS0	11.50	11.40	No

		CH 40	5200		12.50	12.33	No
		CH 44	5220		12.50	12.35	No
		CH 48	5240		12.50	12.40	No
		CH 52	5260		12.50	12.39	No
		CH 56	5280		12.50	12.24	No
		CH 60	5300		12.50	12.08	No
		CH 64	5320		11.50	11.29	No
		CH 100	5500		11.50	11.07	No
		CH 104	5520		12.50	11.69	No
		CH 108	5540		12.50	11.43	No
		CH 112	5560		12.50	11.49	No
		CH 116	5580		12.50	11.31	No
		CH 120	5600		12.50	11.65	No
		CH 124	5620		12.50	11.85	No
		CH 128	5640		12.50	12.26	No
		CH 132	5660		12.50	12.35	No
		CH 136	5680		12.50	12.37	No
		CH 140	5700		10.50	10.40	No
		CH 149	5745		11.50	11.40	No
		CH 153	5765		11.50	11.24	No
		CH 157	5785		11.50	11.12	No
		CH 161	5805		11.50	11.39	No
		CH 165	5825		11.50	11.04	No
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
					Max.		
802.11ac SISO 40M (5GHz)	Ant5(Core0)	CH 38	5190	MCS0	9.50	8.19	No
		CH 46	5230		12.50	12.23	No
		CH 54	5270		12.50	12.32	No
		CH 62	5310		9.50	8.39	No
		CH 102	5510		9.50	8.99	No
		CH 110	5550		12.50	12.39	No
		CH 118	5590		12.50	12.09	No
		CH 126	5630		12.50	11.67	No
		CH 134	5670		9.50	8.02	No
		CH 151	5755		11.50	11.32	No
	Ant6(Core1)	CH 159	5795	MCS0	11.50	11.38	No
		CH 38	5190		9.50	9.39	No
		CH 46	5230		12.50	12.40	No
		CH 54	5270		12.50	12.40	No
		CH 62	5310		9.50	9.39	No
		CH 102	5510		9.50	9.29	No
		CH 110	5550		12.50	11.78	No
		CH 118	5590		12.50	11.92	No
		CH 126	5630		12.50	11.96	No
		CH 134	5670		9.50	9.39	No
		CH 151	5755		11.50	11.40	No
		CH 159	5795		11.50	11.39	No

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
					Max.		
802.11ac SISO 80M	Ant5(Core0)	CH 42	5210	MCS0	9.50	7.99	No
		CH 58	5290		9.50	8.25	No
		CH 106	5530		9.50	9.06	No
		CH 122	5610		9.50	8.05	No
		CH 155	5775		11.50	11.40	Yes
	Ant6(Core1)	CH 42	5210	MCS0	9.50	9.39	No
		CH 58	5290		9.50	9.40	No
		CH 106	5530		9.50	9.39	No
		CH 122	5610		9.50	9.40	No
		CH 155	5775		11.50	11.40	Yes
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up Max.	Average Power (dBm)	SAR Test (Yes/No)
802.11ac SISO 160M (5GHz)	Ant5(Core0)	CH 50	5250	MCS0	9.00	7.63	No
		CH 114	5570		9.00	7.92	No
	Ant6(Core1)	CH 50	5250	MCS0	9.00	8.89	No
		CH 114	5570		9.00	8.26	No
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up Max.	Average Power (dBm)	SAR Test (Yes/No)
802.11a CDD (5GHz)	Ant5(Core0)	CH 36	5180	MCS8	11.50	11.37	No
		CH 40	5200		12.50	12.24	No
		CH 44	5220		12.50	12.03	No
		CH 48	5240		12.50	12.04	No
		CH 52	5260		12.50	12.22	No
		CH 56	5280		12.50	12.38	No
		CH 60	5300		12.50	12.40	No
		CH 64	5320		11.50	11.39	No
		CH 100	5500		11.50	10.83	No
		CH 104	5520		12.50	12.13	No
		CH 108	5540		12.50	12.11	No
		CH 112	5560		12.50	12.38	No
		CH 116	5580		12.50	12.39	No
		CH 120	5600		12.50	12.40	No
		CH 124	5620		12.50	12.39	No
		CH 128	5640		12.50	12.38	No
		CH 132	5660		12.50	12.40	No
		CH 136	5680		12.50	12.22	No
		CH 140	5700		10.50	10.21	No
		CH 149	5745		11.50	11.35	No
		CH 153	5765		11.50	11.40	No
		CH 157	5785		11.50	11.40	No
		CH 161	5805		11.50	11.39	No
		CH 165	5825		11.50	11.39	No
	Ant6(Core1)	CH 36	5180	MCS8	11.50	11.40	No
		CH 40	5200		12.50	12.39	No
		CH 44	5220		12.50	12.39	No
		CH 48	5240		12.50	12.39	No
		CH 52	5260		12.50	12.40	No
		CH 56	5280		12.50	12.40	No

		CH 60	5300		12.50	12.39	No
		CH 64	5320		11.50	11.39	No
		CH 100	5500		11.50	11.39	No
		CH 104	5520		12.50	12.38	No
		CH 108	5540		12.50	12.12	No
		CH 112	5560		12.50	12.04	No
		CH 116	5580		12.50	12.23	No
		CH 120	5600		12.50	12.39	No
		CH 124	5620		12.50	12.39	No
		CH 128	5640		12.50	12.39	No
		CH 132	5660		12.50	12.38	No
		CH 136	5680		12.50	12.40	No
		CH 140	5700		10.50	10.39	No
		CH 149	5745		11.50	11.39	No
		CH 153	5765		11.50	11.38	No
		CH 157	5785		11.50	11.36	No
		CH 161	5805		11.50	11.40	No
		CH 165	5825		11.50	11.39	No
	Sum	CH 36	5180	MCS8	14.50	14.40	No
		CH 40	5200		15.50	15.33	No
		CH 44	5220		15.50	15.22	No
		CH 48	5240		15.50	15.23	No
		CH 52	5260		15.50	15.32	No
		CH 56	5280		15.50	15.40	No
		CH 60	5300		15.50	15.41	No
		CH 64	5320		14.51	14.40	No
		CH 100	5500		14.51	14.13	No
		CH 104	5520		15.50	15.27	No
		CH 108	5540		15.50	15.13	No
		CH 112	5560		15.50	15.22	No
		CH 116	5580		15.50	15.32	No
		CH 120	5600		15.50	15.41	No
		CH 124	5620		15.50	15.40	No
		CH 128	5640		15.50	15.40	No
		CH 132	5660		15.50	15.40	No
		CH 136	5680		15.50	15.32	No
		CH 140	5700		13.50	13.31	No
		CH 149	5745		14.50	14.38	No
		CH 153	5765		14.50	14.40	No
		CH 157	5785		14.50	14.39	No
		CH 161	5805		14.50	14.41	No
		CH 165	5825		14.50	14.40	No
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
					Max.		
802.11n MIMO 20M (5GHz)	Ant5(Core0)	CH 36	5180	MCS8	11.50	11.34	No
		CH 40	5200		12.50	12.04	No
		CH 44	5220		12.50	11.85	No
		CH 48	5240		12.50	11.80	No
		CH 52	5260		12.50	12.05	No
		CH 56	5280		12.50	12.37	No
		CH 60	5300		12.50	12.18	No
		CH 64	5320		11.50	11.32	No

		CH 100	5500		11.50	10.35	No
		CH 104	5520		12.50	11.72	No
		CH 108	5540		12.50	11.92	No
		CH 112	5560		12.50	12.07	No
		CH 116	5580		12.50	11.81	No
		CH 120	5600		12.50	12.31	No
		CH 124	5620		12.50	12.01	No
		CH 128	5640		12.50	11.90	No
		CH 132	5660		12.50	11.76	No
		CH 136	5680		12.50	11.76	No
		CH 140	5700		10.50	9.39	No
		CH 149	5745		11.50	10.94	No
		CH 153	5765		11.50	11.11	No
		CH 157	5785		11.50	11.25	No
		CH 161	5805		11.50	11.30	No
		CH 165	5825		11.50	11.40	No
	Ant6(Core1)	CH 36	5180	MCS8	11.50	11.36	No
		CH 40	5200		12.50	12.25	No
		CH 44	5220		12.50	12.28	No
		CH 48	5240		12.50	12.19	No
		CH 52	5260		12.50	12.11	No
		CH 56	5280		12.50	12.14	No
		CH 60	5300		12.50	12.01	No
		CH 64	5320		11.50	11.01	No
		CH 100	5500		11.50	10.96	No
		CH 104	5520		12.50	11.91	No
		CH 108	5540		12.50	11.81	No
		CH 112	5560		12.50	11.83	No
		CH 116	5580		12.50	12.01	No
		CH 120	5600		12.50	12.09	No
		CH 124	5620		12.50	12.33	No
		CH 128	5640		12.50	12.29	No
		CH 132	5660		12.50	12.38	No
		CH 136	5680		12.50	12.29	No
		CH 140	5700		10.50	10.35	No
		CH 149	5745		11.50	11.08	No
		CH 153	5765		11.50	11.11	No
		CH 157	5785		11.50	11.14	No
		CH 161	5805		11.50	11.25	No
		CH 165	5825		11.50	11.39	No
	Sum	CH 36	5180	MCS8	14.50	14.36	No
		CH 40	5200		15.50	15.16	No
		CH 44	5220		15.50	15.08	No
		CH 48	5240		15.50	15.01	No
		CH 52	5260		15.50	15.09	No
		CH 56	5280		15.50	15.27	No
		CH 60	5300		15.50	15.11	No
		CH 64	5320		14.51	14.18	No
		CH 100	5500		14.51	13.68	No
		CH 104	5520		15.50	14.83	No
		CH 108	5540		15.50	14.88	No
		CH 112	5560		15.50	14.96	No
		CH 116	5580		15.50	14.92	No

		CH 120	5600		15.50	15.21	No
		CH 124	5620		15.50	15.18	No
		CH 128	5640		15.50	15.11	No
		CH 132	5660		15.50	15.09	No
		CH 136	5680		15.50	15.04	No
		CH 140	5700		13.50	12.91	No
		CH 149	5745		14.50	14.02	No
		CH 153	5765		14.50	14.12	No
		CH 157	5785		14.50	14.21	No
		CH 161	5805		14.50	14.29	No
		CH 165	5825		14.50	14.41	No
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
					Max.		
802.11n MIMO 40M (5GHz)	Ant5(Core0)	CH 38	5190	MCS8	9.50	8.44	No
		CH 46	5230		12.50	11.42	No
		CH 54	5270		12.50	12.19	No
		CH 62	5310		9.50	8.52	No
		CH 102	5510		9.50	9.01	No
		CH 110	5550		12.50	11.84	No
		CH 118	5590		12.50	12.01	No
		CH 126	5630		12.50	11.91	No
		CH 134	5670		9.50	8.26	No
		CH 151	5755		11.50	11.32	No
		CH 159	5795		11.50	11.33	No
	Ant6(Core1)	CH 38	5190	MCS8	9.50	9.39	No
		CH 46	5230		12.50	12.39	No
		CH 54	5270		12.50	12.38	No
		CH 62	5310		9.50	9.39	No
		CH 102	5510		9.50	9.19	No
		CH 110	5550		12.50	12.02	No
		CH 118	5590		12.50	11.80	No
		CH 126	5630		12.50	12.13	No
		CH 134	5670		9.50	9.30	No
		CH 151	5755		11.50	11.30	No
		CH 159	5795		11.50	11.29	No
	Sum	CH 38	5190	MCS8	12.50	11.95	No
		CH 46	5230		15.50	14.94	No
		CH 54	5270		15.50	15.30	No
		CH 62	5310		12.50	11.99	No
		CH 102	5510		12.50	12.11	No
		CH 110	5550		15.50	14.94	No
		CH 118	5590		15.50	14.92	No
		CH 126	5630		15.50	15.03	No
		CH 134	5670		12.50	11.82	No
		CH 151	5755		14.50	14.32	No
		CH 159	5795		14.50	14.32	No

Mode	Antenna	Channel	Frequency(MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test(Yes/No)
					Max.		
802.11ac MIMO 20M (5GHz)	Ant5(Core0)	CH 36	5180	MCS0	11.50	11.15	No
		CH 40	5200		12.50	12.39	No
		CH 44	5220		12.50	12.29	No
		CH 48	5240		12.50	12.33	No
		CH 52	5260		12.50	12.22	No
		CH 56	5280		12.50	12.40	No
		CH 60	5300		12.50	12.39	No
		CH 64	5320		11.50	11.13	No
		CH 100	5500		11.50	11.14	No
		CH 104	5520		12.50	12.39	No
		CH 108	5540		12.50	12.39	No
		CH 112	5560		12.50	12.40	No
		CH 116	5580		12.50	12.15	No
		CH 120	5600		12.50	12.31	No
		CH 124	5620		12.50	11.70	No
		CH 128	5640		12.50	11.67	No
		CH 132	5660		12.50	11.92	No
		CH 136	5680		12.50	12.01	No
		CH 140	5700		10.50	9.72	No
		CH 149	5745		11.50	11.17	No
		CH 153	5765		11.50	11.33	No
		CH 157	5785		11.50	11.40	No
		CH 161	5805		11.50	11.23	No
		CH 165	5825		11.50	11.19	No
	Ant6(Core1)	CH 36	5180	MCS0	11.50	11.40	No
		CH 40	5200		12.50	12.33	No
		CH 44	5220		12.50	12.35	No
		CH 48	5240		12.50	12.40	No
		CH 52	5260		12.50	12.39	No
		CH 56	5280		12.50	12.24	No
		CH 60	5300		12.50	12.08	No
		CH 64	5320		11.50	11.29	No
		CH 100	5500		11.50	11.07	No
		CH 104	5520		12.50	11.69	No
		CH 108	5540		12.50	11.43	No
		CH 112	5560		12.50	11.49	No
		CH 116	5580		12.50	11.31	No
		CH 120	5600		12.50	11.65	No
		CH 124	5620		12.50	11.85	No
		CH 128	5640		12.50	12.26	No
		CH 132	5660		12.50	12.35	No
		CH 136	5680		12.50	12.37	No
		CH 140	5700		10.50	10.40	No
		CH 149	5745		11.50	11.40	No
		CH 153	5765		11.50	11.24	No
		CH 157	5785		11.50	11.12	No
		CH 161	5805		11.50	11.39	No
		CH 165	5825		11.50	11.04	No
	Sum	CH 36	5180	MCS0	14.50	14.29	No
		CH 40	5200		15.50	15.37	No

		CH 44	5220		15.50	15.33	No
		CH 48	5240		15.50	15.38	No
		CH 52	5260		15.50	15.32	No
		CH 56	5280		15.50	15.33	No
		CH 60	5300		15.50	15.25	No
		CH 64	5320		14.51	14.22	No
		CH 100	5500		14.51	14.12	No
		CH 104	5520		15.50	15.06	No
		CH 108	5540		15.50	14.95	No
		CH 112	5560		15.50	14.98	No
		CH 116	5580		15.50	14.76	No
		CH 120	5600		15.50	15.00	No
		CH 124	5620		15.50	14.79	No
		CH 128	5640		15.50	14.99	No
		CH 132	5660		15.50	15.15	No
		CH 136	5680		15.50	15.20	No
		CH 140	5700		13.50	13.08	No
		CH 149	5745		14.50	14.30	No
		CH 153	5765		14.50	14.30	No
		CH 157	5785		14.50	14.27	No
		CH 161	5805		14.50	14.32	No
		CH 165	5825		14.50	14.13	No
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	SAR Test (Yes/No)
					Max.		
802.11ac MIMO 40M (5GHz)	Ant5(Core0)	CH 38	5190	MCS0	9.50	8.19	No
		CH 46	5230		12.50	12.23	No
		CH 54	5270		12.50	12.32	No
		CH 62	5310		9.50	8.39	No
		CH 102	5510		9.50	8.99	No
		CH 110	5550		12.50	12.39	No
		CH 118	5590		12.50	12.09	No
		CH 126	5630		12.50	11.67	No
		CH 134	5670		9.50	8.02	No
		CH 151	5755		11.50	11.32	No
		CH 159	5795		11.50	11.38	No
	Ant6(Core1)	CH 38	5190	MCS0	9.50	9.39	No
		CH 46	5230		12.50	12.40	No
		CH 54	5270		12.50	12.40	No
		CH 62	5310		9.50	9.39	No
		CH 102	5510		9.50	9.29	No
		CH 110	5550		12.50	11.78	No
		CH 118	5590		12.50	11.92	No
		CH 126	5630		12.50	11.96	No
		CH 134	5670		9.50	9.39	No
		CH 151	5755		11.50	11.40	No
		CH 159	5795		11.50	11.39	No
	Sum	CH 38	5190	MCS0	12.50	11.84	No
		CH 46	5230		15.50	15.33	No
		CH 54	5270		15.50	15.37	No
		CH 62	5310		12.50	11.93	No
		CH 102	5510		12.50	12.15	No
		CH 110	5550		15.50	15.11	No

		CH 118	5590		15.50	15.02	No
		CH 126	5630		15.50	14.83	No
		CH 134	5670		12.50	11.77	No
		CH 151	5755		14.50	14.37	No
		CH 159	5795		14.50	14.40	No
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up Max.	Average Power (dBm)	SAR Test (Yes/No)
802.11ac MIMO 80M (5GHz)	Ant5(Core0)	CH 42	5210	MCS0	9.50	7.99	No
		CH 58	5290		9.50	8.25	No
		CH 106	5530		9.50	9.06	No
		CH 122	5610		9.50	8.05	No
		CH 155	5775		11.50	11.40	No
	Ant6(Core1)	CH 42	5210	MCS0	9.50	9.39	No
		CH 58	5290		9.50	9.40	No
		CH 106	5530		9.50	9.39	No
		CH 122	5610		9.50	9.40	No
		CH 155	5775		11.50	11.40	No
	Sum	CH 42	5210	MCS0	12.50	11.76	No
		CH 58	5290		12.50	11.87	No
		CH 106	5530		12.50	12.24	No
		CH 122	5610		12.50	11.79	No
		CH 155	5775		14.50	14.41	No
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up Max.	Average Power (dBm)	SAR Test (Yes/No)
802.11ac MIMO 160 (5GHz)	Ant5(Core0)	CH 50	5250	MCS0	9.00	7.63	No
		CH 114	5570		9.00	7.92	No
	Ant6(Core1)	CH 50	5250	MCS0	9.00	8.89	No
		CH 114	5570		9.00	8.26	No
	Sum	CH 50	5250	MCS0	11.80	11.32	No
		CH 114	5570		11.80	11.10	No

Table 115: Test results conducted power measurement of WiFi 5G (Receiver ON)

Note:

- 1) The bolded mode was selected for SAR testing.
- 2) As different maximum tune-up output power is specified across the different channels range. So the additional conducted power measurement for the adjacent channel of each power level stage is also performed in this report to ensure compliance.

7.1.33 Conducted power measurements of BT

The output power of BT antenna is as the following:

BT	Tune-up	AveragePower(dBm)		
	Max.	0CH	5CH	10CH
DH5	9.50	8.04	8.28	8.57
2DH5	7.50	6.10	6.30	6.56
3DH5	7.50	6.11	6.30	6.57
BT	Tune-up	AveragePower(dBm)		
	Max.	11CH	39CH	67CH
DH5	11.00	9.08	9.45	9.29
2DH5	9.50	6.77	7.71	6.69
3DH5	9.50	6.78	7.72	6.69
BT	Tune-up	AveragePower(dBm)		
	Max.	68CH	73CH	78CH
DH5	9.50	8.79	9.19	8.65
2DH5	7.50	6.78	7.26	6.72
3DH5	7.50	6.79	7.26	6.73
BT	Tune-up	AveragePower(dBm)		
	Max.	0CH	3CH	5CH
BLE	8.50	6.22	6.85	7.46
BT	Tune-up	AveragePower(dBm)		
	Max.	6CH	19CH	31CH
BLE	9.50	7.64	6.28	5.85
BT	Tune-up	AveragePower(dBm)		
	Max.	32CH	36CH	39CH
BLE	8.50	5.88	7.40	6.58

Table 116: Test results conducted power measurement of BT (Power Level B)

BT	Tune-up	AverageConductedPower(dBm)		
	Max.	0CH	5CH	10CH
DH5	17.00	14.58	15.14	15.90
BT	Tune-up	AverageConductedPower(dBm)		
	Max.	11CH	22CH	32CH
DH5	17.01	16.02	15.68	15.18
BT	Tune-up	AverageConductedPower(dBm)		
	Max.	0CH	16CH	32CH
2DH5	15.50	12.71	14.33	13.30
3DH5	15.50	12.70	14.32	13.31
BT	Tune-up	AverageConductedPower(dBm)		
	Max.	33CH	54CH	75CH
DH5	16.50	15.18	15.18	14.80
2DH5	14.50	13.33	13.34	12.99
3DH5	14.50	13.33	13.34	13.00
BT	Tune-up	AverageConductedPower(dBm)		
	Max.	76CH	77CH	78CH
DH5	14.50	14.39	14.18	13.69
2DH5	12.50	12.39	12.38	11.89
3DH5	12.50	12.39	12.38	11.90

Table 117: Test results conducted power measurement of BT (Power Level A)

- 1)The conducted power of BT is measured with RMS detector.
- 2)The bolded mode was selected for SAR testing.
- 3)As different maximum tune-up output power is specified across the different channels range. So the additional conducted power measurement for the adjacent channel of each power level stage is also performed in this report to ensure compliance.
- 4) BT BLE does not support High power level A mode.

Figure: Bluetooth Transmission Plot



So the actual bluetooth duty cycle is calculated as below:

$$\text{Dutycycle} = \text{pulse} \frac{\text{width}}{\text{period}} * 100\% = \frac{2.87274\text{ms}}{3.74946\text{ms}} * 100\% = 76.6\%$$

7.2 SAR measurement Results

General Notes:

- 1) Per KDB447498 D01, all SAR measurement results are scaled to the maximum tune-up tolerance limit to demonstrate SAR compliance.
- 2) Per KDB447498 D01, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:
 - $\leq 0.8\text{W/kg}$ for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is $\leq 100\text{MHz}$.
 - $\leq 0.6\text{ W/kg}$ or 1.5 W/kg , for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.
 - $\leq 0.4\text{ W/kg}$ or 1.0 W/kg , for 1-g or 10-g respectively, when the transmission band is $\geq 200\text{ MHz}$.When the maximum output power variation across the required test channels is $> \frac{1}{2}\text{ dB}$, instead of the middle channel, the highest output power channel must be used.
- 3) Per KDB865664 D01, for each frequency band, repeated SAR measurement is required only when the measured SAR is $\geq 0.8\text{W/kg}$; if the deviation among the repeated measurement is $\leq 20\%$, and the measured SAR $< 1.45\text{W/kg}$, only one repeated measurement is required.
- 4) Per KDB941225 D06, 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 D04, SAR is evaluated without a headset connected to the device. When the standalone reported body-worn SAR is $\leq 1.2\text{ W/kg}$, no additional SAR evaluations using a headset are required.
- 6) Per KDB865664 D02, 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 $> 1.5\text{ W/kg}$, or $> 7.0\text{ W/kg}$ 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 (Refer to appendix B for details).
- 7) Per KDB648474 D04, Body-worn accessories that do not contain metallic or conductive components is tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics.
- 8) Per KDB648474 D04, Phones with built-in NFC functions do not require separate SAR testing and can generally be tested according to the SAR measurement procedures normally required for the phone. Influences of the hardware introduced by the built-in NFC functions are inherently considered through testing of the other transmitters that require SAR evaluation.
- 9) The highest reported SAR for each wireless technology, frequency band, and applicable exposure condition is repeated with the optional wireless charging cover accessory attached.

GSM Notes:

- 1) Per KDB941225 D01, 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.
- 2) Per KDB648474 D04, the device does not support DTM function. Body-worn accessory testing is typically associated with voice operations. Therefore, GSM voice was evaluated for body-worn SAR.

UMTS Notes:

1) Per KDB941225 D01, When the maximum output power and tune-up tolerance specified for production units in a Second mode is $\leq \frac{1}{4}$ 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 Second to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the Second mode.

LTE Notes:

1) The LTE test configurations are determined according to KDB941225 D05 SAR for LTE Devices. The general test procedures used for SAR testing can be found in Section 6.5.

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)

3) According to KDB 941225 D05 SAR for LTE Devices, for Time-Division Duplex (TDD) systems, SAR is tested using a fixed periodic duty factor according to the highest transmission duty factor (63.33%) implemented for the device and supported by the defined 3GPP LTE TDD configurations.

WiFi Notes:

1) The WIFI general test procedures used for SAR testing can be found in Section 6 per KDB248227.

2) For WIFI CDD/MIMO, the conservative "max + max" multi-Tx SAR method is used to evaluate WIFI CDD/MIMO SAR in this report.

3) The SAR measurement results are scaled to the maximum 100% Duty cycle to demonstrate SAR compliance

BT Notes:

1) The SAR measurement results are scaled to the maximum 100% Duty cycle to demonstrate SAR compliance.

7.2.1 SAR measurement Results of GSM850

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Second Antenna										
Left cheek	190/836.6	GSM	0.325	0.162	0.06	28.21	29.50	0.437	Battery 1#	/
Left tilt	190/836.6	GSM	0.256	0.125	0.13	28.21	29.50	0.344	Battery 1#	/
Right cheek	190/836.6	GSM	0.306	0.160	-0.03	28.21	29.50	0.412	Battery 1#	/
Right tilt	190/836.6	GSM	0.322	0.153	-0.18	28.21	29.50	0.433	Battery 1#	/
Left cheek	190/836.6	GSM	0.330	0.166	-0.11	28.21	29.50	0.444	Battery 2#	/
Left cheek	128/824.2	GSM	0.474	0.234	0.11	28.14	29.50	0.648	Battery 2#	Yes
Left cheek	251/848.8	GSM	0.265	0.132	0.04	28.16	29.50	0.361	Battery 2#	/
Left cheek	128/824.2	GSM	0.398	0.196	0.10	28.14	29.50	0.544	With Wireless Charging Cover	/
Left cheek	128/824.2	GSM	0.403	0.200	0.10	28.14	29.50	0.551	Battery 2#	ELE-L29m
Left cheek	128/824.2	GSM	0.315	0.156	-0.07	28.14	29.50	0.431	With SIM2	ELE-L29m
Left cheek	128/824.2	GSM	0.335	0.164	-0.07	28.14	29.50	0.458	With Wireless Charging Cover	ELE-L29m
Main Antenna										
Left cheek	190/836.6	GSM	0.085	0.058	0.17	32.61	33.50	0.104	Battery 1#	Yes
Left tilt	190/836.6	GSM	0.041	0.032	0.10	32.61	33.50	0.050	Battery 1#	/
Right cheek	190/836.6	GSM	0.070	0.049	0.16	32.61	33.50	0.086	Battery 1#	/
Right tilt	190/836.6	GSM	0.032	0.022	-0.02	32.61	33.50	0.039	Battery 1#	/
Left cheek	190/836.6	GSM	0.053	0.042	0.17	32.61	33.50	0.065	Battery 2#	/
Left cheek	128/824.2	GSM	0.042	0.029	0.06	32.24	33.50	0.056	Battery 1#	/
Left cheek	251/848.8	GSM	0.084	0.057	0.01	32.78	33.50	0.099	Battery 1#	/
Left cheek	190/836.6	GSM	0.072	0.048	-0.06	32.61	33.50	0.088	With Wireless Charging Cover	/
Left cheek	190/836.6	GSM	0.069	0.047	0.15	32.61	33.50	0.084	Battery 1#	ELE-L29m
Left cheek	190/836.6	GSM	0.068	0.045	-0.09	32.61	33.50	0.083	With SIM2	ELE-L29m
Left cheek	190/836.6	GSM	0.061	0.040	-0.09	32.61	33.50	0.075	With Wireless Charging Cover	ELE-L29m

Table 118: Head SAR test results of GSM850

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	15mm	190/836.6	GSM	0.117	0.078	0.05	32.06	33.00	0.145	Battery 1#	/
Back Side	15mm	190/836.6	GSM	0.136	0.092	-0.06	32.06	33.00	0.169	Battery 1#	/
Back Side	15mm	190/836.6	GSM	0.134	0.090	-0.07	32.06	33.00	0.166	Battery 2#	/
Back Side	15mm	128/824.2	GSM	0.174	0.118	-0.07	31.83	33.00	0.228	Battery 1#	Yes
Back Side	15mm	251/848.8	GSM	0.113	0.077	-0.06	31.95	33.00	0.144	Battery 1#	/
Back Side	15mm	128/824.2	GSM	0.094	0.065	-0.04	31.83	33.00	0.122	With Wireless Charging Cover	/
Back Side	15mm	128/824.2	GSM	0.147	0.099	-0.08	31.83	33.00	0.192	Battery 1#	ELE-L29m
Back Side	15mm	128/824.2	GSM	0.130	0.088	-0.01	31.83	33.00	0.170	With SIM2	ELE-L29m
Back Side	15mm	128/824.2	GSM	0.132	0.095	-0.06	31.83	33.00	0.173	With Wireless Charging Cover	ELE-L29m
Main Antenna											
Front Side	15mm	190/836.6	GSM	0.141	0.098	-0.03	32.61	33.50	0.173	Battery 1#	/
Back Side	15mm	190/836.6	GSM	0.222	0.162	-0.05	32.61	33.50	0.272	Battery 1#	/
Back Side	15mm	190/836.6	GSM	0.223	0.164	-0.11	32.61	33.50	0.274	Battery 2#	/
Back Side	15mm	128/824.2	GSM	0.158	0.118	-0.02	32.24	33.50	0.211	Battery 2#	/
Back Side	15mm	251/848.8	GSM	0.272	0.198	-0.04	32.78	33.50	0.321	Battery 2#	/
Back Side	15mm	251/848.8	GSM	0.112	0.081	-0.11	32.78	33.50	0.132	With Wireless Charging Cover	/
Back Side	15mm	251/848.8	GSM	0.318	0.230	0.00	32.78	33.50	0.375	Battery 2#	Yes ELE-L29m
Back Side	15mm	251/848.8	GSM	0.213	0.156	0.03	32.78	33.50	0.251	With SIM2	ELE-L29m
Back Side	15mm	251/848.8	GSM	0.078	0.056	-0.08	32.78	33.50	0.092	With Wireless Charging Cover	ELE-L29m

Table 119: Body Worn SAR test results of GSM850

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	10mm	190/836.6	GPRS 2TS	0.139	0.084	-0.17	26.62	28.00	0.191	Battery 1#	/
Back Side	10mm	190/836.6	GPRS 2TS	0.142	0.078	-0.17	26.62	28.00	0.195	Battery 1#	/
Left Side	10mm	190/836.6	GPRS 2TS	0.059	0.040	0.19	26.62	28.00	0.081	Battery 1#	/
Right Side	10mm	190/836.6	GPRS 2TS	0.009	0.006	0.13	26.62	28.00	0.012	Battery 1#	/
Top Side	10mm	190/836.6	GPRS 2TS	0.098	0.045	0.17	26.62	28.00	0.135	Battery 1#	/
Back Side	10mm	190/836.6	GPRS 2TS	0.141	0.078	-0.11	26.62	28.00	0.194	Battery 2#	/
Back Side	10mm	128/824.2	GPRS 2TS	0.219	0.119	-0.13	26.54	28.00	0.307	Battery 1#	Yes
Back Side	10mm	251/848.8	GPRS 2TS	0.130	0.071	-0.04	26.45	28.00	0.186	Battery 1#	/
Back Side	10mm	128/824.2	GPRS 2TS	0.105	0.070	-0.05	26.54	28.00	0.147	With Wireless Charging Cover	/
Back Side	10mm	128/824.2	GPRS 2TS	0.197	0.109	0.01	26.54	28.00	0.276	Battery 1#	ELE-L29m
Back Side	10mm	128/824.2	GPRS 2TS	0.142	0.079	0.03	26.54	28.00	0.199	With SIM2	ELE-L29m
Back Side	10mm	128/824.2	GPRS 2TS	0.089	0.059	-0.04	26.54	28.00	0.124	With Wireless Charging Cover	ELE-L29m
Main Antenna											
Front Side	10mm	190/836.6	GPRS 2TS	0.282	0.181	0.06	30.20	31.50	0.380	Battery 1#	/
Back Side	10mm	190/836.6	GPRS 2TS	0.420	0.304	-0.10	30.20	31.50	0.567	Battery 1#	/
Left Side	10mm	190/836.6	GPRS 2TS	0.272	0.158	0.15	30.20	31.50	0.367	Battery 1#	/
Bottom Side	10mm	190/836.6	GPRS 2TS	0.259	0.169	0.15	30.20	31.50	0.349	Battery 1#	/
Back Side	10mm	190/836.6	GPRS 2TS	0.415	0.270	-0.02	30.20	31.50	0.560	Battery 2#	/
Back Side	10mm	128/824.2	GPRS 2TS	0.317	0.209	0.03	29.89	31.50	0.459	Battery 1#	/
Back Side	10mm	251/848.8	GPRS 2TS	0.523	0.376	0.02	30.34	31.50	0.683	Battery 1#	Yes
Back Side	10mm	251/848.8	GPRS 2TS	0.233	0.168	-0.02	30.34	31.50	0.304	With Wireless Charging Cover	/
Back Side	10mm	251/848.8	GPRS 2TS	0.455	0.327	0.05	30.34	31.50	0.594	Battery 1#	ELE-L29m
Back Side	10mm	251/848.8	GPRS 2TS	0.394	0.257	0.01	30.34	31.50	0.515	With SIM2	ELE-L29m
Back Side	10mm	251/848.8	GPRS 2TS	0.173	0.123	-0.09	30.34	31.50	0.226	With Wireless Charging Cover	ELE-L29m

Table 120: Hotspot SAR test results of GSM850

Note: According to the table above, Product Specific 10-g SAR test is not required for this frequency band.

Per KDB648474 D04, when hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; However, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max Power Without Reduction	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Second Antenna										
Front Side	10mm	190/836.6	GPRS 2TS	0.139	0.084	-0.17	26.62	31.00	0.381	Yes
Back Side	10mm	190/836.6	GPRS 2TS	0.142	0.078	-0.17	26.62	31.00	0.389	Yes
Left Side	10mm	190/836.6	GPRS 2TS	0.059	0.040	0.19	26.62	31.00	0.161	Yes
Right Side	10mm	190/836.6	GPRS 2TS	0.009	0.006	0.13	26.62	31.00	0.024	Yes
Top Side	10mm	190/836.6	GPRS 2TS	0.098	0.045	0.17	26.62	31.00	0.268	Yes
Back Side	10mm	190/836.6	GPRS 2TS	0.141	0.078	-0.11	26.62	31.00	0.387	Yes
Back Side	10mm	128/824.2	GPRS 2TS	0.219	0.119	-0.13	26.54	31.00	0.612	Yes
Back Side	10mm	251/848.8	GPRS 2TS	0.130	0.071	-0.04	26.45	31.00	0.371	Yes
Back Side	10mm	128/824.2	GPRS 2TS	0.105	0.070	-0.05	26.54	31.00	0.293	Yes
Back Side	10mm	128/824.2	GPRS 2TS	0.197	0.109	0.01	26.54	31.00	0.550	Yes ELE-L29m
Back Side	10mm	128/824.2	GPRS 2TS	0.142	0.079	0.03	26.54	31.00	0.397	Yes ELE-L29m
Back Side	10mm	128/824.2	GPRS 2TS	0.089	0.059	-0.04	26.54	31.00	0.248	Yes ELE-L29m
Main Antenna										
Front Side	10mm	190/836.6	GPRS 2TS	0.282	0.181	0.06	30.20	31.50	0.380	Yes
Back Side	10mm	190/836.6	GPRS 2TS	0.420	0.304	-0.10	30.20	31.50	0.567	Yes
Left Side	10mm	190/836.6	GPRS 2TS	0.272	0.158	0.15	30.20	31.50	0.367	Yes
Bottom Side	10mm	190/836.6	GPRS 2TS	0.259	0.169	0.15	30.20	31.50	0.349	Yes
Back Side	10mm	190/836.6	GPRS 2TS	0.415	0.270	-0.02	30.20	31.50	0.560	Yes
Back Side	10mm	128/824.2	GPRS 2TS	0.317	0.209	0.03	29.89	31.50	0.459	Yes
Back Side	10mm	251/848.8	GPRS 2TS	0.523	0.376	0.02	30.34	31.50	0.683	Yes
Back Side	10mm	251/848.8	GPRS 2TS	0.233	0.168	-0.02	30.34	31.50	0.304	Yes
Back Side	10mm	251/848.8	GPRS 2TS	0.455	0.327	0.05	30.34	31.50	0.594	Yes ELE-L29m
Back Side	10mm	251/848.8	GPRS 2TS	0.394	0.257	0.01	30.34	31.50	0.515	Yes ELE-L29m
Back Side	10mm	251/848.8	GPRS 2TS	0.173	0.123	-0.09	30.34	31.50	0.226	Yes ELE-L29m

Table 121: Product Specific 10-g SAR test reduction evaluation of GSM850

Note: According to the table above, Product Specific 10-g SAR test is not required for this frequency band.

7.2.2 SAR measurement Results of GSM1900

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Second Antenna										
Left cheek	661/1880	GSM	0.324	0.159	0.07	25.67	26.50	0.392	Battery 1#	/
Left tilt	661/1880	GSM	0.410	0.203	0.06	25.67	26.50	0.496	Battery 1#	/
Right cheek	661/1880	GSM	0.435	0.208	-0.01	25.67	26.50	0.527	Battery 1#	/
Right tilt	661/1880	GSM	0.519	0.248	-0.07	25.67	26.50	0.628	Battery 1#	/
Right tilt	661/1880	GSM	0.523	0.249	-0.03	25.67	26.50	0.633	Battery 2#	Yes
Right tilt	512/1850.2	GSM	0.415	0.201	-0.09	25.52	26.50	0.520	Battery 2#	/
Right tilt	810/1909.8	GSM	0.509	0.245	-0.04	25.89	26.50	0.586	Battery 2#	/
Right tilt	661/1880	GSM	0.416	0.198	-0.05	25.67	26.50	0.504	With Wireless Charging Cover	/
Right tilt	661/1880	GSM	0.375	0.176	-0.07	25.67	26.50	0.454	Battery 2#	ELE-L29m
Right tilt	661/1880	GSM	0.275	0.132	-0.18	25.67	26.50	0.333	With SIM2	ELE-L29m
Right tilt	661/1880	GSM	0.273	0.131	-0.18	25.67	26.50	0.330	With Wireless Charging Cover	ELE-L29m
Main Antenna										
Left cheek	661/1880	GSM	0.067	0.043	0.05	30.46	30.50	0.068	Battery 1#	/
Left tilt	661/1880	GSM	0.043	0.023	-0.10	30.46	30.50	0.044	Battery 1#	/
Right cheek	661/1880	GSM	0.074	0.048	0.11	30.46	30.50	0.075	Battery 1#	Yes
Right tilt	661/1880	GSM	0.035	0.019	0.05	30.46	30.50	0.036	Battery 1#	/
Right cheek	661/1880	GSM	0.070	0.045	0.09	30.46	30.50	0.070	Battery 2#	/
Right cheek	512/1850.2	GSM	0.065	0.042	-0.16	30.49	30.50	0.065	Battery 1#	/
Right cheek	810/1909.8	GSM	0.067	0.042	0.13	30.42	30.50	0.068	Battery 1#	/
Right cheek	661/1880	GSM	0.074	0.047	-0.08	30.46	30.50	0.075	With Wireless Charging Cover	/
Right cheek	661/1880	GSM	0.061	0.039	0.04	30.46	30.50	0.061	Battery 1#	ELE-L29m
Right cheek	661/1880	GSM	0.069	0.045	0.11	30.46	30.50	0.070	With SIM2	ELE-L29m
Right cheek	661/1880	GSM	0.072	0.044	0.16	30.46	30.50	0.072	With Wireless Charging Cover	ELE-L29m

Table 122: Head SAR test results of GSM1900

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	15mm	661/1880	GSM	0.064	0.038	0.02	29.12	29.50	0.070	Battery 1#	/
Back Side	15mm	661/1880	GSM	0.101	0.060	0.18	29.12	29.50	0.110	Battery 1#	/
Back Side	15mm	661/1880	GSM	0.060	0.037	0.16	29.12	29.50	0.066	Battery 2#	/
Back Side	15mm	512/1850.2	GSM	0.086	0.051	-0.03	29.11	29.50	0.094	Battery 1#	/
Back Side	15mm	810/1909.8	GSM	0.103	0.062	-0.08	29.24	29.50	0.109	Battery 1#	/
Back Side	15mm	661/1880	GSM	0.051	0.031	0.08	29.12	29.50	0.056	With Wireless Charging Cover	/
Back Side	15mm	661/1880	GSM	0.108	0.064	-0.01	29.12	29.50	0.118	Battery 1#	Yes ELE-L29m
Back Side	15mm	661/1880	GSM	0.096	0.057	-0.19	29.12	29.50	0.105	With SIM2	ELE-L29m
Back Side	15mm	661/1880	GSM	0.092	0.056	-0.09	29.12	29.50	0.100	With Wireless Charging Cover	ELE-L29m
Main Antenna											
Front Side	15mm	661/1880	GSM	0.114	0.074	0.00	30.46	30.50	0.115	Battery 1#	/
Back Side	15mm	661/1880	GSM	0.159	0.099	-0.15	30.46	30.50	0.160	Battery 1#	/
Back Side	15mm	661/1880	GSM	0.152	0.095	0.03	30.46	30.50	0.153	Battery 2#	/
Back Side	15mm	512/1850.2	GSM	0.170	0.108	-0.01	30.49	30.50	0.170	Battery 1#	Yes
Back Side	15mm	810/1909.8	GSM	0.146	0.090	-0.06	30.42	30.50	0.149	Battery 1#	/
Back Side	15mm	512/1850.2	GSM	0.086	0.052	0.16	30.49	30.50	0.086	With Wireless Charging Cover	
Back Side	15mm	512/1850.2	GSM	0.155	0.098	-0.10	30.49	30.50	0.155	Battery 1#	ELE-L29m
Back Side	15mm	512/1850.2	GSM	0.154	0.096	-0.04	30.49	30.50	0.154	With SIM2	ELE-L29m
Back Side	15mm	512/1850.2	GSM	0.090	0.056	-0.16	30.49	30.50	0.090	With Wireless Charging Cover	ELE-L29m

Table 123: Body Worn SAR test results of GSM1900

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	10mm	661/1880	GPRS 2TS	0.081	0.045	0.03	22.04	23.00	0.101	Battery 1#	/
Back Side	10mm	661/1880	GPRS 2TS	0.111	0.063	0.13	22.04	23.00	0.138	Battery 1#	/
Left Side	10mm	661/1880	GPRS 2TS	0.035	0.019	0.16	22.04	23.00	0.044	Battery 1#	/
Top Side	10mm	661/1880	GPRS 2TS	0.209	0.111	0.18	22.04	23.00	0.261	Battery 1#	Yes
Top Side	10mm	661/1880	GPRS 2TS	0.208	0.110	0.12	22.04	23.00	0.259	Battery 2#	/
Top Side	10mm	512/1850.2	GPRS 2TS	0.173	0.093	0.02	21.97	23.00	0.219	Battery 1#	/
Top Side	10mm	810/1909.8	GPRS 2TS	0.181	0.097	0.02	22.25	23.00	0.215	Battery 1#	/
Top Side	10mm	661/1880	GPRS 2TS	0.038	0.024	0.12	22.04	23.00	0.047	With Wireless Charging Cover	
Top Side	10mm	661/1880	GPRS 2TS	0.174	0.093	0.08	22.04	23.00	0.217	Battery 1#	ELE-L29m
Top Side	10mm	661/1880	GPRS 2TS	0.207	0.110	0.06	22.04	23.00	0.258	With SIM2	ELE-L29m
Top Side	10mm	661/1880	GPRS 2TS	0.155	0.086	-0.04	22.04	23.00	0.193	With Wireless Charging Cover	ELE-L29m
Main Antenna											
Front Side	10mm	661/1880	GPRS 2TS	0.213	0.127	-0.06	27.83	28.00	0.222	Battery 1#	/
Back Side	10mm	661/1880	GPRS 2TS	0.309	0.181	0.08	27.83	28.00	0.321	Battery 1#	/
Right Side	10mm	661/1880	GPRS 2TS	0.122	0.064	0.05	27.83	28.00	0.127	Battery 1#	/
Bottom Side	10mm	661/1880	GPRS 2TS	0.409	0.227	0.14	27.83	28.00	0.425	Battery 1#	Yes
Bottom Side	10mm	661/1880	GPRS 2TS	0.375	0.208	0.04	27.83	28.00	0.390	Battery 2#	/
Bottom Side	10mm	512/1850.2	GPRS 2TS	0.390	0.217	0.10	27.66	28.00	0.422	Battery 1#	/
Bottom Side	10mm	810/1909.8	GPRS 2TS	0.407	0.223	0.10	27.87	28.00	0.419	Battery 1#	/
Bottom Side	10mm	661/1880	GPRS 2TS	0.266	0.153	0.17	27.83	28.00	0.277	With Wireless Charging Cover	
Bottom Side	10mm	661/1880	GPRS 2TS	0.408	0.226	0.05	27.83	28.00	0.424	Battery 1#	ELE-L29m
Bottom Side	10mm	661/1880	GPRS 2TS	0.374	0.207	0.11	27.83	28.00	0.389	With SIM2	ELE-L29m
Bottom Side	10mm	661/1880	GPRS 2TS	0.165	0.094	0.16	27.83	28.00	0.172	With Wireless Charging Cover	ELE-L29m

Table 124: Hotspot SAR test results of GSM1900

Note: According to the table above, Product Specific 10-g SAR test is not required for this frequency band.

Per KDB648474 D04, when hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; However, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max Power Without Reduction	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Second Antenna										
Front Side	10mm	661/1880	GPRS 2TS	0.081	0.045	0.03	22.04	27.50	0.283	Yes
Back Side	10mm	661/1880	GPRS 2TS	0.111	0.063	0.13	22.04	27.50	0.390	Yes
Left Side	10mm	661/1880	GPRS 2TS	0.035	0.019	0.16	22.04	27.50	0.123	Yes
Top Side	10mm	661/1880	GPRS 2TS	0.209	0.111	0.18	22.04	27.50	0.735	Yes
Top Side	10mm	661/1880	GPRS 2TS	0.208	0.110	0.12	22.04	27.50	0.731	Yes
Top Side	10mm	512/1850.2	GPRS 2TS	0.173	0.093	0.02	21.97	27.50	0.618	Yes
Top Side	10mm	810/1909.8	GPRS 2TS	0.181	0.097	0.02	22.25	27.50	0.606	Yes
Top Side	10mm	661/1880	GPRS 2TS	0.038	0.024	0.12	22.04	27.50	0.133	Yes
Top Side	10mm	661/1880	GPRS 2TS	0.174	0.093	0.08	22.04	27.50	0.612	Yes ELE-L29m
Top Side	10mm	661/1880	GPRS 2TS	0.207	0.110	0.06	22.04	27.50	0.728	Yes ELE-L29m
Top Side	10mm	661/1880	GPRS 2TS	0.155	0.086	-0.04	22.04	27.50	0.545	Yes ELE-L29m
Main Antenna										
Front Side	10mm	661/1880	GPRS 2TS	0.213	0.127	-0.06	27.83	28.50	0.249	Yes
Back Side	10mm	661/1880	GPRS 2TS	0.309	0.181	0.08	27.83	28.50	0.361	Yes
Right Side	10mm	661/1880	GPRS 2TS	0.122	0.064	0.05	27.83	28.50	0.142	Yes
Bottom Side	10mm	661/1880	GPRS 2TS	0.409	0.227	0.14	27.83	28.50	0.477	Yes
Bottom Side	10mm	661/1880	GPRS 2TS	0.375	0.208	0.04	27.83	28.50	0.438	Yes
Bottom Side	10mm	512/1850.2	GPRS 2TS	0.390	0.217	0.10	27.66	28.50	0.473	Yes
Bottom Side	10mm	810/1909.8	GPRS 2TS	0.407	0.223	0.10	27.87	28.50	0.471	Yes
Bottom Side	10mm	661/1880	GPRS 2TS	0.266	0.153	0.17	27.83	28.50	0.310	Yes
Bottom Side	10mm	661/1880	GPRS 2TS	0.408	0.226	0.05	27.83	28.50	0.476	Yes ELE-L29m
Bottom Side	10mm	661/1880	GPRS 2TS	0.374	0.207	0.11	27.83	28.50	0.436	Yes ELE-L29m
Bottom Side	10mm	661/1880	GPRS 2TS	0.165	0.094	0.16	27.83	28.50	0.193	Yes ELE-L29m

Table 125: Product Specific 10-g SAR test reduction evaluation of GSM1900

Note: According to the table above, Product Specific 10-g SAR test is not required for this frequency band.

7.2.3 SAR measurement Results of UMTS Band II

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Second Antenna										
Left cheek	9400/1880	RMC	0.151	0.076	0.00	15.08	16.00	0.187	Battery 1#	/
Left tilt	9400/1880	RMC	0.205	0.102	-0.05	15.08	16.00	0.253	Battery 1#	/
Right cheek	9400/1880	RMC	0.245	0.117	-0.02	15.08	16.00	0.303	Battery 1#	/
Right tilt	9400/1880	RMC	0.289	0.138	0.13	15.08	16.00	0.357	Battery 1#	/
Right tilt	9400/1880	RMC	0.287	0.136	-0.04	15.08	16.00	0.355	Battery 2#	/
Right tilt	9262/1852.4	RMC	0.315	0.153	-0.16	15.11	16.00	0.387	Battery 1#	/
Right tilt	9538/1907.6	RMC	0.281	0.136	-0.03	14.99	16.00	0.355	Battery 1#	/
Right tilt	9262/1852.4	RMC	0.305	0.147	-0.04	15.11	16.00	0.374	With Wireless Charging Cover	/
Right tilt	9262/1852.4	RMC	0.280	0.135	-0.02	15.11	16.00	0.344	Battery 1#	ELE-L29m
Right tilt	9262/1852.4	RMC	0.249	0.116	-0.07	15.11	16.00	0.306	With SIM2	ELE-L29m
Right tilt	9262/1852.4	RMC	0.319	0.148	0.05	15.11	16.00	0.392	With Wireless Charging Cover	Yes ELE-L29m
Main Antenna										
Left cheek	9400/1880	RMC	0.110	0.072	0.16	23.38	24.50	0.142	Battery 1#	/
Left tilt	9400/1880	RMC	0.072	0.039	0.05	23.38	24.50	0.093	Battery 1#	/
Right cheek	9400/1880	RMC	0.111	0.072	0.16	23.38	24.50	0.144	Battery 1#	/
Right tilt	9400/1880	RMC	0.063	0.034	-0.04	23.38	24.50	0.082	Battery 1#	/
Right cheek	9400/1880	RMC	0.115	0.074	0.11	23.38	24.50	0.149	Battery 2#	/
Right cheek	9262/1852.4	RMC	0.098	0.064	0.05	23.48	24.50	0.123	Battery 2#	/
Right cheek	9538/1907.6	RMC	0.183	0.116	-0.14	23.21	24.50	0.246	Battery 2#	Yes
Right cheek	9538/1907.6	RMC	0.138	0.088	0.08	23.21	24.50	0.186	With Wireless Charging Cover	/
Right cheek	9538/1907.6	RMC	0.125	0.079	-0.07	23.21	24.50	0.168	Battery 2#	ELE-L29m
Right cheek	9538/1907.6	RMC	0.112	0.072	0.19	23.21	24.50	0.151	With SIM2	ELE-L29m
Right cheek	9538/1907.6	RMC	0.149	0.094	0.14	23.21	24.50	0.201	With Wireless Charging Cover	ELE-L29m

Table 126: Head SAR test results of UMTS Band II

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	15mm	9400/1880	RMC	0.076	0.044	0.06	20.12	21.00	0.093	Battery 1#	/
Back Side	15mm	9400/1880	RMC	0.104	0.061	-0.06	20.12	21.00	0.127	Battery 1#	/
Back Side	15mm	9400/1880	RMC	0.098	0.058	-0.16	20.12	21.00	0.120	Battery 2#	/
Back Side	15mm	9262/1852.4	RMC	0.105	0.062	0.06	20.08	21.00	0.130	Battery 1#	/
Back Side	15mm	9538/1907.6	RMC	0.095	0.056	-0.02	19.98	21.00	0.121	Battery 1#	/
Back Side	15mm	9262/1852.4	RMC	0.068	0.042	-0.15	20.08	21.00	0.084	With Wireless Charging Cover	/
Back Side	15mm	9262/1852.4	RMC	0.110	0.066	-0.17	20.08	21.00	0.136	Battery 1#	Yes ELE-L29m
Back Side	15mm	9262/1852.4	RMC	0.092	0.056	-0.16	20.08	21.00	0.114	With SIM2	ELE-L29m
Back Side	15mm	9262/1852.4	RMC	0.067	0.041	-0.13	20.08	21.00	0.082	With Wireless Charging Cover	ELE-L29m
Main Antenna											
Front Side	15mm	9400/1880	RMC	0.189	0.121	0.12	23.38	24.50	0.245	Battery 1#	/
Back Side	15mm	9400/1880	RMC	0.270	0.169	0.04	23.38	24.50	0.349	Battery 1#	/
Back Side	15mm	9400/1880	RMC	0.259	0.162	-0.05	23.38	24.50	0.335	Battery 2#	/
Back Side	15mm	9262/1852.4	RMC	0.263	0.164	-0.06	23.48	24.50	0.333	Battery 1#	/
Back Side	15mm	9538/1907.6	RMC	0.290	0.179	-0.03	23.21	24.50	0.391	Battery 1#	Yes
Back Side	15mm	9538/1907.6	RMC	0.154	0.091	-0.02	23.21	24.50	0.207	With Wireless Charging Cover	/
Back Side	15mm	9538/1907.6	RMC	0.268	0.167	-0.01	23.21	24.50	0.361	Battery 1#	ELE-L29m
Back Side	15mm	9538/1907.6	RMC	0.243	0.146	-0.05	23.21	24.50	0.327	With SIM2	ELE-L29m
Back Side	15mm	9538/1907.6	RMC	0.198	0.120	-0.13	23.21	24.50	0.267	With Wireless Charging Cover	ELE-L29m

Table 127: Body Worn SAR test results of UMTS Band II

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	10mm	9400/1880	RMC	0.050	0.027	-0.04	16.13	17.00	0.061	Battery 1#	/
Back Side	10mm	9400/1880	RMC	0.070	0.040	-0.03	16.13	17.00	0.086	Battery 1#	/
Left Side	10mm	9400/1880	RMC	0.021	0.011	0.03	16.13	17.00	0.026	Battery 1#	/
Top Side	10mm	9400/1880	RMC	0.112	0.060	0.04	16.13	17.00	0.137	Battery 1#	/
Top Side	10mm	9400/1880	RMC	0.143	0.076	0.16	16.13	17.00	0.175	Battery 2#	/
Top Side	10mm	9262/1852.4	RMC	0.156	0.083	0.12	16.23	17.00	0.186	Battery 2#	Yes
Top Side	10mm	9538/1907.6	RMC	0.114	0.061	0.13	16.00	17.00	0.144	Battery 2#	/
Top Side	10mm	9262/1852.4	RMC	0.140	0.078	-0.04	16.23	17.00	0.167	With Wireless Charging Cover	/
Top Side	10mm	9262/1852.4	RMC	0.155	0.083	0.14	16.23	17.00	0.185	Battery 2#	ELE-L29m
Top Side	10mm	9262/1852.4	RMC	0.134	0.072	0.15	16.23	17.00	0.160	With SIM2	ELE-L29m
Top Side	10mm	9262/1852.4	RMC	0.101	0.056	0.09	16.23	17.00	0.121	With Wireless Charging Cover	ELE-L29m
Main Antenna											
Front Side	10mm	9400/1880	RMC	0.202	0.116	0.03	21.18	22.00	0.244	Battery 1#	/
Back Side	10mm	9400/1880	RMC	0.274	0.168	-0.01	21.18	22.00	0.331	Battery 1#	/
Right Side	10mm	9400/1880	RMC	0.146	0.073	-0.04	21.18	22.00	0.176	Battery 1#	/
Bottom Side	10mm	9400/1880	RMC	0.409	0.226	0.16	21.18	22.00	0.494	Battery 1#	/
Bottom Side	10mm	9400/1880	RMC	0.417	0.230	0.13	21.18	22.00	0.503	Battery 2#	/
Bottom Side	10mm	9262/1852.4	RMC	0.417	0.233	0.13	21.18	22.00	0.504	Battery 2#	/
Bottom Side	10mm	9538/1907.6	RMC	0.422	0.233	0.03	21.06	22.00	0.524	Battery 2#	Yes
Bottom Side	10mm	9538/1907.6	RMC	0.150	0.087	0.19	21.06	22.00	0.186	With Wireless Charging Cover	/
Bottom Side	10mm	9538/1907.6	RMC	0.352	0.195	0.13	21.06	22.00	0.437	Battery 2#	ELE-L29m
Bottom Side	10mm	9538/1907.6	RMC	0.305	0.171	0.11	21.06	22.00	0.379	With SIM2	ELE-L29m
Bottom Side	10mm	9538/1907.6	RMC	0.200	0.116	-0.13	21.06	22.00	0.248	With Wireless Charging Cover	ELE-L29m

Table 128: Hotspot SAR test results of UMTS Band II

Per KDB648474D04, when hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Second Antenna										
Front Side	10mm	9400/1880	RMC	0.050	0.027	-0.04	16.13	21.00	0.153	Yes
Back Side	10mm	9400/1880	RMC	0.070	0.040	-0.03	16.13	21.00	0.216	Yes
Left Side	10mm	9400/1880	RMC	0.021	0.011	0.03	16.13	21.00	0.066	Yes
Top Side	10mm	9400/1880	RMC	0.112	0.060	0.04	16.13	21.00	0.344	Yes
Top Side	10mm	9400/1880	RMC	0.143	0.076	0.16	16.13	21.00	0.439	Yes
Top Side	10mm	9262/1852.4	RMC	0.156	0.083	0.12	16.23	21.00	0.468	Yes
Top Side	10mm	9538/1907.6	RMC	0.114	0.061	0.13	16.00	21.00	0.360	Yes
Top Side	10mm	9262/1852.4	RMC	0.140	0.078	-0.04	16.23	21.00	0.420	Yes
Top Side	10mm	9262/1852.4	RMC	0.155	0.083	0.14	16.23	21.00	0.465	Yes ELE-L29m
Top Side	10mm	9262/1852.4	RMC	0.134	0.072	0.15	16.23	21.00	0.402	Yes ELE-L29m
Top Side	10mm	9262/1852.4	RMC	0.101	0.056	0.09	16.23	21.00	0.303	Yes ELE-L29m
Main Antenna										
Front Side	10mm	9400/1880	RMC	0.202	0.116	0.03	21.18	24.50	0.434	Yes
Back Side	10mm	9400/1880	RMC	0.274	0.168	-0.01	21.18	24.50	0.588	Yes
Right Side	10mm	9400/1880	RMC	0.146	0.073	-0.04	21.18	24.50	0.313	Yes
Bottom Side	10mm	9400/1880	RMC	0.409	0.226	0.16	21.18	24.50	0.878	Yes
Bottom Side	10mm	9400/1880	RMC	0.417	0.230	0.13	21.18	24.50	0.895	Yes
Bottom Side	10mm	9262/1852.4	RMC	0.417	0.233	0.13	21.18	24.50	0.896	Yes
Bottom Side	10mm	9538/1907.6	RMC	0.422	0.233	0.03	21.06	24.50	0.931	Yes
Bottom Side	10mm	9538/1907.6	RMC	0.150	0.087	0.19	21.06	24.50	0.331	Yes
Bottom Side	10mm	9538/1907.6	RMC	0.352	0.195	0.13	21.06	24.50	0.777	Yes ELE-L29m
Bottom Side	10mm	9538/1907.6	RMC	0.305	0.171	0.11	21.06	24.50	0.673	Yes ELE-L29m
Bottom Side	10mm	9538/1907.6	RMC	0.200	0.116	-0.13	21.06	24.50	0.441	Yes ELE-L29m

Table 129: Product Specific 10-g SAR test reduction evaluation of UMTS Band II

Note: According to the table above, Product Specific 10-g SAR test is not required for this frequency band.

7.2.4 SAR measurement Results of UMTS Band IV

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Second Antenna										
Left cheek	1413/1732.6	RMC	0.197	0.091	-0.01	17.06	18.00	0.244	Battery 1#	/
Left tilt	1413/1732.6	RMC	0.263	0.120	0.01	17.06	18.00	0.326	Battery 1#	/
Right cheek	1413/1732.6	RMC	0.351	0.169	-0.01	17.06	18.00	0.436	Battery 1#	/
Right tilt	1413/1732.6	RMC	0.501	0.243	-0.01	17.06	18.00	0.622	Battery 1#	/
Right tilt	1413/1732.6	RMC	0.626	0.293	0.06	17.06	18.00	0.777	Battery 2#	/
Right tilt	1413/1732.6	RMC	0.530	0.257	-0.11	17.06	18.00	0.658	With SIM2	/
Right tilt	1312/1712.4	RMC	0.542	0.260	0.02	17.15	18.00	0.659	Battery 2#	/
Right tilt	1513/1752.6	RMC	0.654	0.310	0.01	16.60	18.00	0.903	Battery 2#	Yes
Right tilt	1513/1752.6	RMC	0.475	0.233	0.01	16.60	18.00	0.656	With Wireless Charging Cover	/
Main Antenna										
Left cheek	1413/1732.6	RMC	0.141	0.092	0.01	22.32	23.50	0.185	Battery 1#	/
Left tilt	1413/1732.6	RMC	0.089	0.049	0.06	22.32	23.50	0.116	Battery 1#	/
Right cheek	1413/1732.6	RMC	0.111	0.072	0.06	22.32	23.50	0.146	Battery 1#	/
Right tilt	1413/1732.6	RMC	0.069	0.040	-0.01	22.32	23.50	0.090	Battery 1#	/
Left cheek	1413/1732.6	RMC	0.110	0.073	0.16	22.32	23.50	0.144	Battery 2#	/
Left cheek	1413/1732.6	RMC	0.114	0.075	-0.19	22.32	23.50	0.149	With SIM2	/
Left cheek	1312/1712.4	RMC	0.166	0.102	0.11	22.37	23.50	0.215	Battery 1#	Yes
Left cheek	1513/1752.6	RMC	0.136	0.084	0.13	22.43	23.50	0.174	Battery 1#	/
Left cheek	1312/1712.4	RMC	0.072	0.047	0.04	22.37	23.50	0.094	With Wireless Charging Cover	/

Table 130: Head SAR test results of UMTS Band IV

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	15mm	1413/1732.6	RMC	0.069	0.039	0.00	20.07	21.00	0.086	Battery 1#	/
Back Side	15mm	1413/1732.6	RMC	0.095	0.058	-0.14	20.07	21.00	0.117	Battery 1#	/
Back Side	15mm	1413/1732.6	RMC	0.078	0.048	-0.18	20.07	21.00	0.097	Battery 2#	/
Back Side	15mm	1413/1732.6	RMC	0.078	0.049	-0.14	20.07	21.00	0.097	With SIM2	/
Back Side	15mm	1312/1712.4	RMC	0.082	0.051	-0.18	20.15	21.00	0.100	Battery 1#	/
Back Side	15mm	1513/1752.6	RMC	0.103	0.063	-0.04	19.99	21.00	0.130	Battery 1#	Yes
Back Side	15mm	1513/1752.6	RMC	0.088	0.054	-0.16	19.99	21.00	0.110	Wireless Charging Cover	/
Main Antenna											
Front Side	15mm	1413/1732.6	RMC	0.211	0.134	0.10	22.32	23.50	0.277	Battery 1#	/
Back Side	15mm	1413/1732.6	RMC	0.270	0.182	0.13	22.32	23.50	0.354	Battery 1#	/
Back Side	15mm	1413/1732.6	RMC	0.297	0.201	0.05	22.32	23.50	0.390	Battery 2#	/
Back Side	15mm	1413/1732.6	RMC	0.299	0.203	0.18	22.32	23.50	0.392	With SIM2	/
Back Side	15mm	1312/1712.4	RMC	0.302	0.201	0.18	22.37	23.50	0.392	With SIM2	Yes
Back Side	15mm	1513/1752.6	RMC	0.282	0.188	0.15	22.43	23.50	0.361	With SIM2	/
Back Side	15mm	1312/1712.4	RMC	0.113	0.069	0.12	22.37	23.50	0.147	Wireless Charging Cover	/

Table 131: Body Worn SAR test results of UMTS Band IV

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	10mm	1413/1732.6	RMC	0.058	0.032	0.00	16.08	17.00	0.072	Battery 1#	/
Back Side	10mm	1413/1732.6	RMC	0.070	0.041	0.04	16.08	17.00	0.087	Battery 1#	/
Left Side	10mm	1413/1732.6	RMC	0.022	0.012	-0.19	16.08	17.00	0.027	Battery 1#	/
Top Side	10mm	1413/1732.6	RMC	0.153	0.085	-0.18	16.08	17.00	0.189	Battery 1#	/
Top Side	10mm	1413/1732.6	RMC	0.168	0.093	-0.04	16.08	17.00	0.208	Battery 2#	Yes
Top Side	10mm	1413/1732.6	RMC	0.140	0.078	-0.04	16.08	17.00	0.173	With SIM2	/
Top Side	10mm	1312/1712.4	RMC	0.127	0.063	0.02	16.16	17.00	0.154	Battery 2#	/
Top Side	10mm	1513/1752.6	RMC	0.159	0.089	-0.02	15.98	17.00	0.201	Battery 2#	/
Top Side	10mm	1413/1732.6	RMC	0.036	0.021	-0.02	16.08	17.00	0.044	Wireless Charging Cover	/
Main Antenna											
Front Side	10mm	1413/1732.6	RMC	0.267	0.161	0.14	20.87	22.00	0.346	Battery 1#	/
Back Side	10mm	1413/1732.6	RMC	0.346	0.216	0.16	20.87	22.00	0.449	Battery 1#	/
Right Side	10mm	1413/1732.6	RMC	0.194	0.101	-0.14	20.87	22.00	0.252	Battery 1#	/
Bottom Side	10mm	1413/1732.6	RMC	0.434	0.257	0.01	20.87	22.00	0.563	Battery 1#	/
Bottom Side	10mm	1413/1732.6	RMC	0.454	0.266	0.11	20.87	22.00	0.589	Battery 2#	/
Bottom Side	10mm	1413/1732.6	RMC	0.442	0.260	0.03	20.87	22.00	0.573	With SIM2	/
Bottom Side	10mm	1312/1712.4	RMC	0.454	0.268	0.17	20.99	22.00	0.573	Battery 2#	Yes
Bottom Side	10mm	1513/1752.6	RMC	0.450	0.264	0.00	21.05	22.00	0.560	Battery 2#	/
Bottom Side	10mm	1413/1732.6	RMC	0.288	0.166	-0.02	20.87	22.00	0.374	Wireless Charging Cover	/

Table 132: Hotspot SAR test results of UMTS Band IV

Per KDB648474D04, when hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Second Antenna										
Front Side	10mm	1413/1732.6	RMC	0.058	0.032	0.00	16.08	21.00	0.181	Yes
Back Side	10mm	1413/1732.6	RMC	0.070	0.041	0.04	16.08	21.00	0.219	Yes
Left Side	10mm	1413/1732.6	RMC	0.022	0.012	-0.19	16.08	21.00	0.068	Yes
Top Side	10mm	1413/1732.6	RMC	0.153	0.085	-0.18	16.08	21.00	0.475	Yes
Top Side	10mm	1413/1732.6	RMC	0.168	0.093	-0.04	16.08	21.00	0.522	Yes
Top Side	10mm	1413/1732.6	RMC	0.140	0.078	-0.04	16.08	21.00	0.435	Yes
Top Side	10mm	1312/1712.4	RMC	0.127	0.063	0.02	16.16	21.00	0.387	Yes
Top Side	10mm	1513/1752.6	RMC	0.159	0.089	-0.02	15.98	21.00	0.505	Yes
Top Side	10mm	1413/1732.6	RMC	0.036	0.021	-0.02	16.08	21.00	0.111	Yes
Main Antenna										
Front Side	10mm	1413/1732.6	RMC	0.267	0.161	0.14	20.87	23.50	0.489	Yes
Back Side	10mm	1413/1732.6	RMC	0.346	0.216	0.16	20.87	23.50	0.634	Yes
Right Side	10mm	1413/1732.6	RMC	0.194	0.101	-0.14	20.87	23.50	0.355	Yes
Bottom Side	10mm	1413/1732.6	RMC	0.434	0.257	0.01	20.87	23.50	0.795	Yes
Bottom Side	10mm	1413/1732.6	RMC	0.454	0.266	0.11	20.87	23.50	0.832	Yes
Bottom Side	10mm	1413/1732.6	RMC	0.442	0.260	0.03	20.87	23.50	0.810	Yes
Bottom Side	10mm	1312/1712.4	RMC	0.454	0.268	0.17	20.99	23.50	0.809	Yes
Bottom Side	10mm	1513/1752.6	RMC	0.450	0.264	0.00	21.05	23.50	0.791	Yes
Bottom Side	10mm	1413/1732.6	RMC	0.288	0.166	-0.02	20.87	23.50	0.528	Yes

Table 133: Product Specific 10-g SAR test reduction evaluation of UMTS Band IV

7.2.5 SAR measurement Results of UMTS Band V

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Second Antenna										
Left cheek	4182/836.4	RMC	0.257	0.170	0.12	18.40	19.50	0.331	Battery 1#	/
Left tilt	4182/836.4	RMC	0.192	0.131	0.08	18.40	19.50	0.247	Battery 1#	/
Right cheek	4182/836.4	RMC	0.385	0.195	-0.09	18.40	19.50	0.496	Battery 1#	/
Right tilt	4182/836.4	RMC	0.400	0.243	0.03	18.40	19.50	0.515	Battery 1#	/
Right tilt	4182/836.4	RMC	0.415	0.181	0.04	18.40	19.50	0.535	Battery 2#	Yes
Right tilt	4132/826.4	RMC	0.357	0.174	0.11	18.46	19.50	0.454	Battery 2#	/
Right tilt	4233/846.6	RMC	0.372	0.182	0.02	18.45	19.50	0.474	Battery 2#	/
Right tilt	4182/836.4	RMC	0.363	0.173	0.02	18.40	19.50	0.468	With Wireless Charging Cover	/
Right tilt	4182/836.4	RMC	0.320	0.155	0.07	18.40	19.50	0.412	Battery 2#	ELE-L29m
Right tilt	4182/836.4	RMC	0.409	0.189	-0.02	18.40	19.50	0.527	With SIM2	ELE-L29m
Right tilt	4182/836.4	RMC	0.343	0.166	0.10	18.40	19.50	0.442	With Wireless Charging Cover	ELE-L29m
Main Antenna										
Left cheek	4182/836.4	RMC	0.081	0.055	0.16	23.99	25.00	0.102	Battery 1#	/
Left tilt	4182/836.4	RMC	0.046	0.031	0.12	23.99	25.00	0.058	Battery 1#	/
Right cheek	4182/836.4	RMC	0.100	0.079	0.15	23.99	25.00	0.126	Battery 1#	/
Right tilt	4182/836.4	RMC	0.041	0.028	0.11	23.99	25.00	0.051	Battery 1#	/
Right cheek	4182/836.4	RMC	0.094	0.074	0.13	23.99	25.00	0.118	Battery 2#	/
Right cheek	4132/826.4	RMC	0.114	0.088	0.12	23.97	25.00	0.145	Battery 1#	/
Right cheek	4233/846.6	RMC	0.117	0.091	0.15	24.10	25.00	0.144	Battery 1#	Yes
Right cheek	4132/826.4	RMC	0.031	0.024	0.16	23.97	25.00	0.040	With Wireless Charging Cover	/
Right cheek	4132/826.4	RMC	0.101	0.079	0.15	23.97	25.00	0.128	Battery 1#	ELE-L29m
Right cheek	4132/826.4	RMC	0.099	0.078	0.10	23.97	25.00	0.126	With SIM2	ELE-L29m
Right cheek	4132/826.4	RMC	0.027	0.021	0.07	23.97	25.00	0.034	With Wireless Charging Cover	ELE-L29m

Table 134: Head SAR test results of UMTS Band V

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	15mm	4182/836.4	RMC	0.197	0.130	0.13	23.45	24.50	0.251	Battery 1#	/
Back Side	15mm	4182/836.4	RMC	0.204	0.137	-0.07	23.45	24.50	0.260	Battery 1#	/
Back Side	15mm	4182/836.4	RMC	0.215	0.143	-0.05	23.45	24.50	0.274	Battery 2#	Yes
Back Side	15mm	4132/826.4	RMC	0.192	0.129	-0.04	23.51	24.50	0.241	Battery 2#	/
Back Side	15mm	4233/846.6	RMC	0.212	0.141	-0.10	23.50	24.50	0.267	Battery 2#	/
Back Side	15mm	4182/836.4	RMC	0.125	0.087	-0.07	23.45	24.50	0.159	With Wireless Charging Cover	/
Back Side	15mm	4182/836.4	RMC	0.210	0.143	-0.09	23.45	24.50	0.267	Battery 2#	ELE-L29m
Back Side	15mm	4182/836.4	RMC	0.201	0.131	-0.08	23.45	24.50	0.256	With SIM2	ELE-L29m
Back Side	15mm	4182/836.4	RMC	0.112	0.077	-0.03	23.45	24.50	0.143	With Wireless Charging Cover	ELE-L29m
Main Antenna											
Front Side	15mm	4182/836.4	RMC	0.213	0.148	0.00	23.99	25.00	0.269	Battery 1#	/
Back Side	15mm	4182/836.4	RMC	0.274	0.202	0.04	23.99	25.00	0.346	Battery 1#	/
Back Side	15mm	4182/836.4	RMC	0.291	0.213	0.03	23.99	25.00	0.367	Battery 2#	/
Back Side	15mm	4132/826.4	RMC	0.258	0.191	0.01	23.97	25.00	0.327	Battery 2#	/
Back Side	15mm	4233/846.6	RMC	0.298	0.217	0.00	24.10	25.00	0.367	Battery 2#	Yes
Back Side	15mm	4233/846.6	RMC	0.127	0.091	0.00	24.10	25.00	0.156	With Wireless Charging Cover	/
Back Side	15mm	4233/846.6	RMC	0.293	0.214	-0.04	24.10	25.00	0.360	Battery 2#	ELE-L29m
Back Side	15mm	4233/846.6	RMC	0.274	0.187	-0.01	24.10	25.00	0.337	With SIM2	ELE-L29m
Back Side	15mm	4233/846.6	RMC	0.081	0.058	-0.03	24.10	25.00	0.099	With Wireless Charging Cover	ELE-L29m

Table 135: Body Worn SAR test results of UMTS Band V

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	10mm	4182/836.4	RMC	0.148	0.081	-0.01	20.40	21.50	0.191	Battery 1#	/
Back Side	10mm	4182/836.4	RMC	0.158	0.088	0.00	20.40	21.50	0.204	Battery 1#	/
Left Side	10mm	4182/836.4	RMC	0.079	0.053	-0.06	20.40	21.50	0.102	Battery 1#	/
Right Side	10mm	4182/836.4	RMC	0.014	0.009	-0.11	20.40	21.50	0.018	Battery 1#	/
Top Side	10mm	4182/836.4	RMC	0.131	0.060	-0.16	20.40	21.50	0.169	Battery 1#	/
Back Side	10mm	4182/836.4	RMC	0.193	0.105	-0.07	20.40	21.50	0.249	Battery 2#	/
Back Side	10mm	4132/826.4	RMC	0.189	0.103	-0.03	20.45	21.50	0.241	Battery 2#	/
Back Side	10mm	4233/846.6	RMC	0.196	0.107	-0.08	20.49	21.50	0.247	Battery 2#	/
Back Side	10mm	4182/836.4	RMC	0.105	0.070	-0.09	20.40	21.50	0.135	With Wireless Charging Cover	/
Back Side	10mm	4182/836.4	RMC	0.197	0.115	-0.05	20.40	21.50	0.254	Battery 2#	Yes ELE-L29m
Back Side	10mm	4182/836.4	RMC	0.194	0.111	-0.04	20.40	21.50	0.250	With SIM2	ELE-L29m
Back Side	10mm	4182/836.4	RMC	0.097	0.064	0.05	20.40	21.50	0.125	With Wireless Charging Cover	ELE-L29m
Main Antenna											
Front Side	10mm	4182/836.4	RMC	0.266	0.183	0.01	23.99	25.00	0.336	Battery 1#	/
Back Side	10mm	4182/836.4	RMC	0.400	0.288	0.06	23.99	25.00	0.505	Battery 1#	/
Left Side	10mm	4182/836.4	RMC	0.251	0.148	0.08	23.99	25.00	0.317	Battery 1#	/
Bottom Side	10mm	4182/836.4	RMC	0.277	0.171	0.11	23.99	25.00	0.350	Battery 1#	/
Back Side	10mm	4182/836.4	RMC	0.415	0.300	-0.04	23.99	25.00	0.524	Battery 2#	/
Back Side	10mm	4132/826.4	RMC	0.333	0.230	-0.02	23.97	25.00	0.422	Battery 2#	/
Back Side	10mm	4233/846.6	RMC	0.437	0.316	-0.03	24.10	25.00	0.538	Battery 2#	Yes
Back Side	10mm	4233/846.6	RMC	0.187	0.132	-0.01	24.10	25.00	0.230	With Wireless Charging Cover	/
Back Side	10mm	4233/846.6	RMC	0.432	0.310	-0.08	24.10	25.00	0.531	Battery 2#	ELE-L29m
Back Side	10mm	4233/846.6	RMC	0.394	0.270	-0.02	24.10	25.00	0.485	With SIM2	ELE-L29m
Back Side	10mm	4233/846.6	RMC	0.146	0.103	-0.09	24.10	25.00	0.180	With Wireless Charging Cover	ELE-L29m

Table 136: Hotspot SAR test results of UMTS Band V

Per KDB648474 D04, when hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; However, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max Power Without Reduction	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Second Antenna										
Front Side	10mm	4182/836.4	RMC	0.148	0.081	-0.01	20.40	24.50	0.380	Yes
Back Side	10mm	4182/836.4	RMC	0.158	0.088	0.00	20.40	24.50	0.406	Yes
Left Side	10mm	4182/836.4	RMC	0.079	0.053	-0.06	20.40	24.50	0.203	Yes
Right Side	10mm	4182/836.4	RMC	0.014	0.009	-0.11	20.40	24.50	0.036	Yes
Top Side	10mm	4182/836.4	RMC	0.131	0.060	-0.16	20.40	24.50	0.337	Yes
Back Side	10mm	4182/836.4	RMC	0.193	0.105	-0.07	20.40	24.50	0.496	Yes
Back Side	10mm	4132/826.4	RMC	0.189	0.103	-0.03	20.45	24.50	0.480	Yes
Back Side	10mm	4233/846.6	RMC	0.196	0.107	-0.08	20.49	24.50	0.493	Yes
Back Side	10mm	4182/836.4	RMC	0.105	0.070	-0.09	20.40	24.50	0.270	Yes
Back Side	10mm	4182/836.4	RMC	0.197	0.109	-0.05	20.40	24.50	0.506	Yes ELE-L29m
Back Side	10mm	4182/836.4	RMC	0.194	0.111	-0.04	20.40	24.50	0.499	Yes ELE-L29m
Back Side	10mm	4182/836.4	RMC	0.097	0.064	0.05	20.40	24.50	0.250	Yes ELE-L29m
Main Antenna										
Front Side	10mm	4182/836.4	RMC	0.266	0.183	0.01	23.99	25.00	0.336	Yes
Back Side	10mm	4182/836.4	RMC	0.400	0.288	0.06	23.99	25.00	0.505	Yes
Left Side	10mm	4182/836.4	RMC	0.251	0.148	0.08	23.99	25.00	0.317	Yes
Bottom Side	10mm	4182/836.4	RMC	0.277	0.171	0.11	23.99	25.00	0.350	Yes
Back Side	10mm	4182/836.4	RMC	0.415	0.300	-0.04	23.99	25.00	0.524	Yes
Back Side	10mm	4132/826.4	RMC	0.333	0.230	-0.02	23.97	25.00	0.422	Yes
Back Side	10mm	4233/846.6	RMC	0.437	0.316	-0.03	24.10	25.00	0.538	Yes
Back Side	10mm	4233/846.6	RMC	0.187	0.132	-0.01	24.10	25.00	0.230	Yes
Back Side	10mm	4233/846.6	RMC	0.432	0.310	-0.08	24.10	25.00	0.531	Yes ELE-L29m
Back Side	10mm	4233/846.6	RMC	0.394	0.270	-0.02	24.10	25.00	0.485	Yes ELE-L29m
Back Side	10mm	4233/846.6	RMC	0.146	0.103	-0.09	24.10	25.00	0.180	Yes ELE-L29m

Table 137: Product Specific 10-g SAR test reduction evaluation of UMTS Band V

Note: According to the table above, Product Specific 10-g SAR test is not required for this frequency band.

7.2.6 SAR measurement Results of LTE Band 2

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Second Antenna										
Left cheek	18700/1860	20M QPSK 1RB#50	0.223	0.111	0.01	17.13	17.50	0.243	Battery 1#	/
Left tilt	18700/1860	20M QPSK 1RB#50	0.334	0.164	0.08	17.13	17.50	0.364	Battery 1#	/
Right cheek	18700/1860	20M QPSK 1RB#50	0.329	0.153	0.14	17.13	17.50	0.358	Battery 1#	/
Right tilt	18700/1860	20M QPSK 1RB#50	0.368	0.176	-0.06	17.13	17.50	0.401	Battery 1#	/
Left cheek	18900/1880	20M QPSK 50%RB#25	0.216	0.107	0.08	16.87	17.50	0.250	Battery 1#	/
Left tilt	18900/1880	20M QPSK 50%RB#25	0.330	0.162	-0.03	16.87	17.50	0.382	Battery 1#	/
Right cheek	18900/1880	20M QPSK 50%RB#25	0.317	0.152	-0.09	16.87	17.50	0.366	Battery 1#	/
Right tilt	18900/1880	20M QPSK 50%RB#25	0.377	0.181	-0.03	16.87	17.50	0.436	Battery 1#	/
Right tilt	18900/1880	20M QPSK 50%RB#25	0.412	0.198	0.04	16.87	17.50	0.476	Battery 2#	/
Right tilt	18900/1880	20M QPSK 50%RB#25	0.402	0.193	-0.03	16.87	17.50	0.465	With SIM2	/
Right tilt	18700/1860	20M QPSK 50%RB#50	0.413	0.197	-0.04	16.86	17.50	0.479	Battery 2#	/
Right tilt	19100/1900	20M QPSK 50%RB#50	0.399	0.191	-0.03	16.76	17.50	0.473	Battery 2#	/
Right tilt	18700/1860	20M QPSK 50%RB#50	0.457	0.212	-0.04	16.86	17.50	0.530	With Wireless Charging Cover	Yes
Main Antenna										
Left cheek	18700/1860	20M QPSK 1RB#0	0.107	0.068	0.08	23.10	24.00	0.132	Battery 1#	/
Left tilt	18700/1860	20M QPSK 1RB#0	0.068	0.036	-0.10	23.10	24.00	0.084	Battery 1#	/
Right cheek	18700/1860	20M QPSK 1RB#0	0.113	0.071	-0.13	23.10	24.00	0.139	Battery 1#	/
Right tilt	18700/1860	20M QPSK 1RB#0	0.064	0.036	-0.03	23.10	24.00	0.079	Battery 1#	/
Left cheek	18900/1880	20M QPSK 50%RB#25	0.081	0.052	-0.14	22.17	23.00	0.098	Battery 1#	/
Left tilt	18900/1880	20M QPSK 50%RB#25	0.048	0.025	0.03	22.17	23.00	0.058	Battery 1#	/
Right cheek	18900/1880	20M QPSK 50%RB#25	0.080	0.051	0.17	22.17	23.00	0.097	Battery 1#	/
Right tilt	18900/1880	20M QPSK 50%RB#25	0.050	0.027	0.04	22.17	23.00	0.061	Battery 1#	/
Right cheek	18700/1860	20M QPSK 1RB#0	0.138	0.072	-0.04	23.10	24.00	0.170	Battery 2#	Yes
Right cheek	18700/1860	20M QPSK 1RB#0	0.109	0.070	0.19	23.10	24.00	0.134	With SIM2	/
Right cheek	18900/1880	20M QPSK 1RB#0	0.105	0.068	0.08	23.06	24.00	0.130	Battery 2#	/
Right cheek	19100/1900	20M QPSK 1RB#50	0.108	0.070	0.15	22.93	24.00	0.138	Battery 2#	/
Right cheek	18700/1860	20M QPSK 1RB#0	0.028	0.016	-0.18	23.10	24.00	0.035	With Wireless Charging Cover	/

Table 138: Head SAR test results of LTE Band 2

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	15mm	18700/1860	20M QPSK 1RB#0	0.079	0.044	0.07	20.35	21.00	0.091	Battery 1#	/
Back Side	15mm	18700/1860	20M QPSK 1RB#0	0.117	0.069	0.19	20.35	21.00	0.136	Battery 1#	Yes
Front Side	15mm	18700/1860	20M QPSK 50%RB#25	0.071	0.039	0.15	20.32	21.00	0.082	Battery 1#	/
Back Side	15mm	18700/1860	20M QPSK 50%RB#25	0.099	0.055	0.09	20.32	21.00	0.116	Battery 1#	/
Back Side	15mm	18700/1860	20M QPSK 1RB#0	0.102	0.060	-0.16	20.35	21.00	0.118	Battery 2#	/
Back Side	15mm	18700/1860	20M QPSK 1RB#0	0.102	0.060	-0.18	20.35	21.00	0.118	With SIM2	/
Back Side	15mm	18900/1880	20M QPSK 1RB#0	0.098	0.058	-0.03	20.31	21.00	0.115	Battery 1#	/
Back Side	15mm	19100/1900	20M QPSK 1RB#0	0.091	0.054	-0.06	20.17	21.00	0.110	Battery 1#	/
Back Side	15mm	18700/1860	20M QPSK 1RB#0	0.117	0.069	0.19	20.35	21.00	0.136	With Wireless Charging Cover	/
Main Antenna											
Front Side	15mm	18700/1860	20M QPSK 1RB#0	0.165	0.102	-0.09	23.10	24.00	0.203	Battery 1#	/
Back Side	15mm	18700/1860	20M QPSK 1RB#0	0.242	0.161	-0.07	23.10	24.00	0.298	Battery 1#	/
Front Side	15mm	18900/1880	20M QPSK 50%RB#25	0.122	0.076	-0.09	22.17	23.00	0.148	Battery 1#	/
Back Side	15mm	18900/1880	20M QPSK 50%RB#25	0.198	0.132	-0.15	22.17	23.00	0.240	Battery 1#	/
Back Side	15mm	18700/1860	20M QPSK 1RB#0	0.243	0.162	0.08	23.10	24.00	0.299	Battery 2#	/
Back Side	15mm	18700/1860	20M QPSK 1RB#0	0.223	0.148	-0.09	23.10	24.00	0.274	With SIM2	/
Back Side	15mm	18900/1880	20M QPSK 1RB#0	0.232	0.144	0.02	23.06	24.00	0.288	Battery 2#	/
Back Side	15mm	19100/1900	20M QPSK 1RB#50	0.292	0.177	-0.03	22.93	24.00	0.374	Battery 2#	Yes
Back Side	15mm	19100/1900	20M QPSK 1RB#50	0.166	0.100	0.00	22.93	24.00	0.212	With Wireless Charging Cover	/

Table 139: Body Worn SAR test results of LTE Band 2

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	10mm	18700/1860	20M QPSK 1RB#99	0.060	0.032	-0.03	16.49	17.00	0.067	Battery 1#	/
Back Side	10mm	18700/1860	20M QPSK 1RB#99	0.083	0.046	-0.04	16.49	17.00	0.094	Battery 1#	/
Left Side	10mm	18700/1860	20M QPSK 1RB#99	0.024	0.012	0.19	16.49	17.00	0.027	Battery 1#	/
Right Side	10mm	18700/1860	20M QPSK 1RB#99	0.007	0.004	-0.16	16.49	17.00	0.008	Battery 1#	/
Top Side	10mm	18700/1860	20M QPSK 1RB#99	0.154	0.082	0.12	16.49	17.00	0.173	Battery 1#	/
Front Side	10mm	19100/1900	20M QPSK 50%RB#0	0.060	0.031	0.14	16.40	17.00	0.069	Battery 1#	/
Back Side	10mm	19100/1900	20M QPSK 50%RB#0	0.080	0.044	0.10	16.40	17.00	0.092	Battery 1#	/
Left Side	10mm	19100/1900	20M QPSK 50%RB#0	0.022	0.011	0.17	16.40	17.00	0.025	Battery 1#	/
Right Side	10mm	19100/1900	20M QPSK 50%RB#0	0.008	0.004	0.11	16.40	17.00	0.009	Battery 1#	/
Top Side	10mm	19100/1900	20M QPSK 50%RB#0	0.142	0.075	0.18	16.40	17.00	0.163	Battery 1#	/
Top Side	10mm	18700/1860	20M QPSK 1RB#99	0.176	0.094	0.14	16.49	17.00	0.198	Battery 2#	Yes
Top Side	10mm	18700/1860	20M QPSK 1RB#99	0.159	0.084	0.18	16.49	17.00	0.179	With SIM2	/
Top Side	10mm	18900/1880	20M QPSK 1RB#50	0.140	0.074	0.10	16.39	17.00	0.161	Battery 2#	/
Top Side	10mm	19100/1900	20M QPSK 1RB#0	0.146	0.078	0.13	16.36	17.00	0.169	Battery 2#	/
Top Side	10mm	18700/1860	20M QPSK 1RB#99	0.176	0.094	0.14	16.49	17.00	0.198	With Wireless Charging Cover	/
Main Antenna											
Front Side	10mm	18700/1860	20M QPSK 1RB#50	0.176	0.111	-0.07	20.53	21.50	0.220	Battery 1#	/
Back Side	10mm	18700/1860	20M QPSK 1RB#50	0.223	0.143	0.07	20.53	21.50	0.279	Battery 1#	/
Right Side	10mm	18700/1860	20M QPSK 1RB#50	0.103	0.056	0.14	20.53	21.50	0.129	Battery 1#	/
Bottom Side	10mm	18700/1860	20M QPSK 1RB#50	0.325	0.183	0.13	20.53	21.50	0.406	Battery 1#	/
Front Side	10mm	18700/1860	20M QPSK 50%RB#0	0.180	0.113	0.08	20.24	21.50	0.241	Battery 1#	/
Back Side	10mm	18700/1860	20M QPSK 50%RB#0	0.248	0.152	-0.02	20.24	21.50	0.331	Battery 1#	/
Right Side	10mm	18700/1860	20M QPSK 50%RB#0	0.106	0.058	0.17	20.24	21.50	0.142	Battery 1#	/
Bottom Side	10mm	18700/1860	20M QPSK 50%RB#0	0.316	0.177	0.12	20.24	21.50	0.422	Battery 1#	/
Bottom Side	10mm	18700/1860	20M QPSK 50%RB#0	0.323	0.183	0.16	20.24	21.50	0.432	Battery 2#	/
Bottom Side	10mm	18700/1860	20M QPSK 50%RB#0	0.310	0.174	0.14	20.24	21.50	0.414	With SIM2	/
Bottom Side	10mm	18900/1880	20M QPSK 50%RB#50	0.331	0.186	0.12	20.21	21.50	0.445	Battery 2#	/
Bottom Side	10mm	19100/1900	20M QPSK 50%RB#25	0.495	0.277	0.19	20.17	21.50	0.672	Battery 2#	Yes
Bottom Side	10mm	19100/1900	20M QPSK 50%RB#25	0.182	0.106	0.19	20.17	21.50	0.247	With Wireless Charging Cover	/

Table 140: Hotspot SAR test results of LTE Band 2

Per KDB648474D04, when hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Second Antenna										
Front Side	10mm	18700/1860	20M QPSK 1RB#99	0.060	0.032	-0.03	16.49	21.00	0.169	Yes
Back Side	10mm	18700/1860	20M QPSK 1RB#99	0.083	0.046	-0.04	16.49	21.00	0.235	Yes
Left Side	10mm	18700/1860	20M QPSK 1RB#99	0.024	0.012	0.19	16.49	21.00	0.068	Yes
Right Side	10mm	18700/1860	20M QPSK 1RB#99	0.007	0.004	-0.16	16.49	21.00	0.021	Yes
Top Side	10mm	18700/1860	20M QPSK 1RB#99	0.154	0.082	0.12	16.49	21.00	0.435	Yes
Front Side	10mm	19100/1900	20M QPSK 50%RB#0	0.060	0.031	0.14	16.40	21.00	0.173	Yes
Back Side	10mm	19100/1900	20M QPSK 50%RB#0	0.080	0.044	0.10	16.40	21.00	0.230	Yes
Left Side	10mm	19100/1900	20M QPSK 50%RB#0	0.022	0.011	0.17	16.40	21.00	0.063	Yes
Right Side	10mm	19100/1900	20M QPSK 50%RB#0	0.008	0.004	0.11	16.40	21.00	0.023	Yes
Top Side	10mm	19100/1900	20M QPSK 50%RB#0	0.142	0.075	0.18	16.40	21.00	0.410	Yes
Top Side	10mm	18700/1860	20M QPSK 1RB#99	0.176	0.094	0.14	16.49	21.00	0.497	Yes
Top Side	10mm	18700/1860	20M QPSK 1RB#99	0.159	0.084	0.18	16.49	21.00	0.449	Yes
Top Side	10mm	18900/1880	20M QPSK 1RB#50	0.140	0.074	0.10	16.39	21.00	0.405	Yes
Top Side	10mm	19100/1900	20M QPSK 1RB#0	0.146	0.078	0.13	16.36	21.00	0.425	Yes
Top Side	10mm	18700/1860	20M QPSK 1RB#99	0.176	0.094	0.14	16.49	21.00	0.497	Yes
Main Antenna										
Front Side	10mm	18700/1860	20M QPSK 1RB#50	0.176	0.111	-0.07	20.53	24.00	0.391	Yes
Back Side	10mm	18700/1860	20M QPSK 1RB#50	0.223	0.143	0.07	20.53	24.00	0.496	Yes
Right Side	10mm	18700/1860	20M QPSK 1RB#50	0.103	0.056	0.14	20.53	24.00	0.229	Yes
Bottom Side	10mm	18700/1860	20M QPSK 1RB#50	0.325	0.183	0.13	20.53	24.00	0.723	Yes
Front Side	10mm	18700/1860	20M QPSK 50%RB#0	0.180	0.113	0.08	20.24	23.00	0.340	Yes
Back Side	10mm	18700/1860	20M QPSK 50%RB#0	0.248	0.152	-0.02	20.24	23.00	0.468	Yes
Right Side	10mm	18700/1860	20M QPSK 50%RB#0	0.106	0.058	0.17	20.24	23.00	0.200	Yes
Bottom Side	10mm	18700/1860	20M QPSK 50%RB#0	0.316	0.177	0.12	20.24	23.00	0.597	Yes
Bottom Side	10mm	18700/1860	20M QPSK 50%RB#0	0.323	0.183	0.16	20.24	23.00	0.610	Yes
Bottom Side	10mm	18700/1860	20M QPSK 50%RB#0	0.310	0.174	0.14	20.24	23.00	0.585	Yes
Bottom Side	10mm	18900/1880	20M QPSK 50%RB#50	0.331	0.186	0.12	20.21	23.00	0.629	Yes
Bottom Side	10mm	19100/1900	20M QPSK 50%RB#25	0.495	0.277	0.19	20.17	23.00	0.950	Yes
Bottom Side	10mm	19100/1900	20M QPSK 50%RB#25	0.182	0.106	0.19	20.17	23.00	0.349	Yes

Table 141: Product Specific 10-g SAR test reduction evaluation of LTE Band 2

Note: According to the table above, Product Specific 10-g SAR test is not required for this frequency band.

7.2.7 SAR measurement Results of LTE Band 4

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Second Antenna										
Left cheek	20050/1720	20M QPSK 1RB#0	0.175	0.086	-0.01	17.79	18.50	0.206	Battery 1#	/
Left tilt	20050/1720	20M QPSK 1RB#0	0.307	0.145	-0.01	17.79	18.50	0.362	Battery 1#	/
Right cheek	20050/1720	20M QPSK 1RB#0	0.354	0.170	-0.08	17.79	18.50	0.417	Battery 1#	/
Right tilt	20050/1720	20M QPSK 1RB#0	0.598	0.284	-0.03	17.79	18.50	0.704	Battery 1#	Yes
Left cheek	20050/1720	20M QPSK 50%RB#0	0.199	0.097	0.02	17.69	18.50	0.240	Battery 1#	/
Left tilt	20050/1720	20M QPSK 50%RB#0	0.303	0.140	-0.10	17.69	18.50	0.365	Battery 1#	/
Right cheek	20050/1720	20M QPSK 50%RB#0	0.305	0.150	-0.10	17.69	18.50	0.368	Battery 1#	/
Right tilt	20050/1720	20M QPSK 50%RB#0	0.391	0.192	-0.01	17.69	18.50	0.471	Battery 1#	/
Right tilt	20050/1720	20M QPSK 1RB#0	0.385	0.190	0.00	17.79	18.50	0.453	Battery 2#	/
Right tilt	20050/1720	20M QPSK 1RB#0	0.396	0.196	-0.02	17.79	18.50	0.466	With SIM2	/
Right tilt	20175/1732.5	20M QPSK 1RB#0	0.417	0.206	-0.12	17.78	18.50	0.492	Battery 1#	/
Right tilt	20300/1745	20M QPSK 1RB#0	0.453	0.222	0.07	17.75	18.50	0.538	Battery 1#	/
Right tilt	20050/1720	20M QPSK 1RB#0	0.389	0.185	0.07	17.79	18.50	0.458	With Wireless Charging Cover	/
Main Antenna										
Left cheek	20175/1732.5	20M QPSK 1RB#99	0.124	0.079	0.12	21.73	22.50	0.148	Battery 1#	Yes
Left tilt	20175/1732.5	20M QPSK 1RB#99	0.088	0.050	0.01	21.73	22.50	0.105	Battery 1#	/
Right cheek	20175/1732.5	20M QPSK 1RB#99	0.065	0.044	0.13	21.73	22.50	0.078	Battery 1#	/
Right tilt	20175/1732.5	20M QPSK 1RB#99	0.078	0.047	-0.01	21.73	22.50	0.093	Battery 1#	/
Left cheek	20050/1720	20M QPSK 50%RB#0	0.092	0.060	-0.09	20.53	21.50	0.116	Battery 1#	/
Left tilt	20050/1720	20M QPSK 50%RB#0	0.067	0.036	-0.06	20.53	21.50	0.084	Battery 1#	/
Right cheek	20050/1720	20M QPSK 50%RB#0	0.078	0.046	-0.01	20.53	21.50	0.098	Battery 1#	/
Right tilt	20050/1720	20M QPSK 50%RB#0	0.053	0.032	0.09	20.53	21.50	0.066	Battery 1#	/
Left cheek	20175/1732.5	20M QPSK 1RB#99	0.095	0.062	-0.07	21.73	22.50	0.113	Battery 2#	/
Left cheek	20175/1732.5	20M QPSK 1RB#99	0.110	0.072	-0.03	21.73	22.50	0.131	With SIM2	/
Left cheek	20050/1720	20M QPSK 1RB#99	0.103	0.068	-0.03	21.63	22.50	0.126	Battery 1#	/
Left cheek	20300/1745	20M QPSK 1RB#0	0.084	0.055	0.17	21.40	22.50	0.108	Battery 1#	/
Left cheek	20175/1732.5	20M QPSK 1RB#99	0.055	0.037	0.18	21.73	22.50	0.066	With Wireless Charging Cover	/

Table 142: Head SAR test results of LTE Band 4

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	15mm	20050/1720	20M QPSK 1RB#99	0.071	0.040	-0.10	20.85	21.50	0.083	Battery 1#	/
Back Side	15mm	20050/1720	20M QPSK 1RB#99	0.108	0.067	0.05	20.85	21.50	0.125	Battery 1#	/
Front Side	15mm	20050/1720	20M QPSK 50%RB#0	0.052	0.029	-0.09	19.73	20.50	0.062	Battery 1#	/
Back Side	15mm	20050/1720	20M QPSK 50%RB#0	0.074	0.043	-0.17	19.73	20.50	0.088	Battery 1#	/
Back Side	15mm	20050/1720	20M QPSK 1RB#99	0.109	0.067	0.03	20.85	21.50	0.127	Battery 2#	Yes
Back Side	15mm	20050/1720	20M QPSK 1RB#99	0.105	0.065	-0.13	20.85	21.50	0.122	With SIM2	/
Back Side	15mm	20175/1732.5	20M QPSK 1RB#99	0.099	0.058	-0.05	20.79	21.50	0.116	Battery 2#	/
Back Side	15mm	20300/1745	20M QPSK 1RB#99	0.097	0.057	-0.18	20.83	21.50	0.113	Battery 2#	/
Back Side	15mm	20050/1720	20M QPSK 1RB#99	0.087	0.055	-0.01	20.85	21.50	0.101	Wireless Charging Cover	/
Main Antenna											
Front Side	15mm	20175/1732.5	20M QPSK 1RB#99	0.168	0.107	-0.11	21.73	22.50	0.201	Battery 1#	/
Back Side	15mm	20175/1732.5	20M QPSK 1RB#99	0.212	0.143	0.19	21.73	22.50	0.253	Battery 1#	/
Front Side	15mm	20050/1720	20M QPSK 50%RB#0	0.137	0.087	0.11	20.53	21.50	0.171	Battery 1#	/
Back Side	15mm	20050/1720	20M QPSK 50%RB#0	0.162	0.102	0.02	20.53	21.50	0.203	Battery 1#	/
Back Side	15mm	20175/1732.5	20M QPSK 1RB#99	0.224	0.150	0.14	21.73	22.50	0.267	Battery 2#	/
Back Side	15mm	20175/1732.5	20M QPSK 1RB#99	0.226	0.151	0.19	21.73	22.50	0.270	With SIM2	/
Back Side	15mm	20050/1720	20M QPSK 1RB#99	0.248	0.165	0.19	21.63	22.50	0.303	With SIM2	Yes
Back Side	15mm	20300/1745	20M QPSK 1RB#0	0.239	0.159	0.15	21.40	22.50	0.308	With SIM2	/
Back Side	15mm	20300/1745	20M QPSK 1RB#0	0.104	0.067	0.10	21.40	22.50	0.134	Wireless Charging Cover	/

Table 143: Body Worn SAR test results of LTE Band 4

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	10mm	20050/1720	20M QPSK 1RB#0	0.061	0.034	-0.10	16.94	17.50	0.070	Battery 1#	/
Back Side	10mm	20050/1720	20M QPSK 1RB#0	0.074	0.043	-0.12	16.94	17.50	0.084	Battery 1#	/
Left Side	10mm	20050/1720	20M QPSK 1RB#0	0.020	0.010	-0.17	16.94	17.50	0.023	Battery 1#	/
Top Side	10mm	20050/1720	20M QPSK 1RB#0	0.144	0.079	0.01	16.94	17.50	0.164	Battery 1#	/
Front Side	10mm	20050/1720	20M QPSK 50%RB#0	0.062	0.035	0.16	16.80	17.50	0.073	Battery 1#	/
Back Side	10mm	20050/1720	20M QPSK 50%RB#0	0.070	0.039	-0.19	16.80	17.50	0.082	Battery 1#	/
Left Side	10mm	20050/1720	20M QPSK 50%RB#0	0.019	0.010	-0.02	16.80	17.50	0.022	Battery 1#	/
Top Side	10mm	20050/1720	20M QPSK 50%RB#0	0.147	0.082	0.00	16.80	17.50	0.173	Battery 1#	/
Top Side	10mm	20050/1720	20M QPSK 50%RB#0	0.139	0.077	-0.05	16.80	17.50	0.163	Battery 2#	/
Top Side	10mm	20050/1720	20M QPSK 50%RB#0	0.141	0.078	0.02	16.80	17.50	0.166	With SIM2	/
Top Side	10mm	20175/1732.5	20M QPSK 50%RB#50	0.158	0.087	-0.07	16.79	17.50	0.186	Battery 1#	/
Top Side	10mm	20300/1745	20M QPSK 50%RB#0	0.166	0.092	0.02	16.73	17.50	0.198	Battery 1#	Yes
Top Side	10mm	20300/1745	20M QPSK 50%RB#0	0.142	0.081	-0.09	16.73	17.50	0.170	Wireless Charging Cover	/
Main Antenna											
Front Side	10mm	20175/1732.5	20M QPSK 1RB#99	0.204	0.126	0.10	20.70	21.50	0.245	Battery 1#	/
Back Side	10mm	20175/1732.5	20M QPSK 1RB#99	0.297	0.201	0.12	20.70	21.50	0.357	Battery 1#	/
Right Side	10mm	20175/1732.5	20M QPSK 1RB#99	0.154	0.079	-0.13	20.70	21.50	0.185	Battery 1#	/
Bottom Side	10mm	20175/1732.5	20M QPSK 1RB#99	0.395	0.231	-0.07	20.70	21.50	0.475	Battery 1#	/
Front Side	10mm	20050/1720	20M QPSK 50%RB#0	0.226	0.143	0.06	20.50	21.50	0.285	Battery 1#	/
Back Side	10mm	20050/1720	20M QPSK 50%RB#0	0.312	0.196	0.06	20.50	21.50	0.393	Battery 1#	/
Right Side	10mm	20050/1720	20M QPSK 50%RB#0	0.158	0.081	-0.02	20.50	21.50	0.199	Battery 1#	/
Bottom Side	10mm	20050/1720	20M QPSK 50%RB#0	0.397	0.234	0.11	20.50	21.50	0.500	Battery 1#	/
Bottom Side	10mm	20050/1720	20M QPSK 50%RB#0	0.356	0.212	0.03	20.50	21.50	0.448	Battery 2#	/
Bottom Side	10mm	20050/1720	20M QPSK 50%RB#0	0.383	0.226	-0.08	20.50	21.50	0.482	With SIM2	/
Bottom Side	10mm	20175/1732.5	20M QPSK 50%RB#50	0.378	0.212	-0.08	20.30	21.50	0.498	Battery 1#	/
Bottom Side	10mm	20300/1745	20M QPSK 50%RB#25	0.407	0.239	-0.05	20.47	21.50	0.516	Battery 1#	Yes
Bottom Side	10mm	20300/1745	20M QPSK 50%RB#25	0.161	0.099	-0.04	20.47	21.50	0.204	Wireless Charging Cover	/

Table 144: Hotspot SAR test results of LTE Band 4

Per KDB648474D04, when hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Second Antenna										
Front Side	10mm	20050/1720	20M QPSK 1RB#0	0.061	0.034	-0.10	16.94	21.50	0.175	Yes
Back Side	10mm	20050/1720	20M QPSK 1RB#0	0.074	0.043	-0.12	16.94	21.50	0.212	Yes
Left Side	10mm	20050/1720	20M QPSK 1RB#0	0.020	0.010	-0.17	16.94	21.50	0.057	Yes
Top Side	10mm	20050/1720	20M QPSK 1RB#0	0.144	0.079	0.01	16.94	21.50	0.411	Yes
Front Side	10mm	20050/1720	20M QPSK 50%RB#0	0.062	0.035	0.16	16.80	20.50	0.146	Yes
Back Side	10mm	20050/1720	20M QPSK 50%RB#0	0.070	0.039	-0.19	16.80	20.50	0.163	Yes
Left Side	10mm	20050/1720	20M QPSK 50%RB#0	0.019	0.010	-0.02	16.80	20.50	0.044	Yes
Top Side	10mm	20050/1720	20M QPSK 50%RB#0	0.147	0.082	0.00	16.80	20.50	0.345	Yes
Top Side	10mm	20050/1720	20M QPSK 50%RB#0	0.139	0.077	-0.05	16.80	20.50	0.326	Yes
Top Side	10mm	20050/1720	20M QPSK 50%RB#0	0.141	0.078	0.02	16.80	20.50	0.331	Yes
Top Side	10mm	20175/1732.5	20M QPSK 50%RB#50	0.158	0.087	-0.07	16.79	20.50	0.371	Yes
Top Side	10mm	20300/1745	20M QPSK 50%RB#0	0.166	0.092	0.02	16.73	20.50	0.395	Yes
Top Side	10mm	20300/1745	20M QPSK 50%RB#0	0.142	0.081	-0.09	16.73	20.50	0.338	Yes
Main Antenna										
Front Side	10mm	20175/1732.5	20M QPSK 1RB#99	0.204	0.126	0.10	20.70	22.50	0.309	Yes
Back Side	10mm	20175/1732.5	20M QPSK 1RB#99	0.297	0.201	0.12	20.70	22.50	0.450	Yes
Right Side	10mm	20175/1732.5	20M QPSK 1RB#99	0.154	0.079	-0.13	20.70	22.50	0.233	Yes
Bottom Side	10mm	20175/1732.5	20M QPSK 1RB#99	0.395	0.231	-0.07	20.70	22.50	0.598	Yes
Front Side	10mm	20050/1720	20M QPSK 50%RB#0	0.226	0.143	0.06	20.50	21.50	0.285	Yes
Back Side	10mm	20050/1720	20M QPSK 50%RB#0	0.312	0.196	0.06	20.50	21.50	0.393	Yes
Right Side	10mm	20050/1720	20M QPSK 50%RB#0	0.158	0.081	-0.02	20.50	21.50	0.199	Yes
Bottom Side	10mm	20050/1720	20M QPSK 50%RB#0	0.397	0.234	0.11	20.50	21.50	0.500	Yes
Bottom Side	10mm	20050/1720	20M QPSK 50%RB#0	0.356	0.212	0.03	20.50	21.50	0.448	Yes
Bottom Side	10mm	20050/1720	20M QPSK 50%RB#0	0.383	0.226	-0.08	20.50	21.50	0.482	Yes
Bottom Side	10mm	20175/1732.5	20M QPSK 50%RB#50	0.378	0.212	-0.08	20.30	21.50	0.498	Yes
Bottom Side	10mm	20300/1745	20M QPSK 50%RB#25	0.407	0.239	-0.05	20.47	21.50	0.516	Yes
Bottom Side	10mm	20300/1745	20M QPSK 50%RB#25	0.161	0.099	-0.04	20.47	21.50	0.204	Yes

Table 145: Product Specific 10-g SAR test reduction evaluation of LTE Band 4

Note: According to the table above, Product Specific 10-g SAR test is not required for this frequency band.

7.2.8 SAR measurement Results of LTE Band 5

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Second Antenna										
Left cheek	20600/844	10M QPSK 1RB#0	0.249	0.164	0.09	18.69	19.50	0.300	Battery 1#	/
Left tilt	20600/844	10M QPSK 1RB#0	0.209	0.141	-0.14	18.69	19.50	0.252	Battery 1#	/
Right cheek	20600/844	10M QPSK 1RB#0	0.364	0.182	0.04	18.69	19.50	0.439	Battery 1#	/
Right tilt	20600/844	10M QPSK 1RB#0	0.301	0.150	0.01	18.69	19.50	0.363	Battery 1#	/
Left cheek	20525/836.5	10M QPSK 50%RB#25	0.261	0.167	0.08	18.60	19.50	0.321	Battery 1#	/
Left tilt	20525/836.5	10M QPSK 50%RB#25	0.220	0.143	0.09	18.60	19.50	0.271	Battery 1#	/
Right cheek	20525/836.5	10M QPSK 50%RB#25	0.369	0.181	0.03	18.60	19.50	0.454	Battery 1#	/
Right tilt	20525/836.5	10M QPSK 50%RB#25	0.334	0.153	0.08	18.60	19.50	0.411	Battery 1#	/
Right cheek	20525/836.5	10M QPSK 50%RB#25	0.393	0.191	-0.03	18.60	19.50	0.483	Battery 2#	/
Right cheek	20450/829	10M QPSK 50%RB#13	0.452	0.216	0.04	18.59	19.50	0.557	Battery 2#	Yes
Right cheek	20600/844	10M QPSK 50%RB#0	0.429	0.208	-0.03	18.57	19.50	0.531	Battery 2#	/
Right cheek	20450/829	10M QPSK 50%RB#13	0.424	0.219	0.03	18.59	19.50	0.523	With Wireless Charging Cover	/
Right cheek	20525/836.5	10M QPSK 50%RB#25	0.349	0.181	0.12	18.60	19.50	0.429	Battery 2#	ELE-L29m
Right cheek	20525/836.5	10M QPSK 50%RB#25	0.345	0.179	-0.17	18.60	19.50	0.424	With SIM2	ELE-L29m
Right cheek	20525/836.5	10M QPSK 50%RB#25	0.348	0.177	-0.15	18.60	19.50	0.428	With Wireless Charging Cover	ELE-L29m
Main Antenna										
Left cheek	20600/844	10M QPSK 1RB#0	0.078	0.053	0.15	23.93	25.00	0.100	Battery 1#	/
Left tilt	20600/844	10M QPSK 1RB#0	0.041	0.028	0.18	23.93	25.00	0.053	Battery 1#	/
Right cheek	20600/844	10M QPSK 1RB#0	0.098	0.078	0.16	23.93	25.00	0.126	Battery 1#	/
Right tilt	20600/844	10M QPSK 1RB#0	0.042	0.029	0.12	23.93	25.00	0.053	Battery 1#	/
Left cheek	20525/836.5	10M QPSK 50%RB#25	0.058	0.040	0.13	23.02	24.00	0.073	Battery 1#	/
Left tilt	20525/836.5	10M QPSK 50%RB#25	0.033	0.022	0.17	23.02	24.00	0.041	Battery 1#	/
Right cheek	20525/836.5	10M QPSK 50%RB#25	0.080	0.063	-0.08	23.02	24.00	0.100	Battery 1#	/
Right tilt	20525/836.5	10M QPSK 50%RB#25	0.034	0.023	0.08	23.02	24.00	0.042	Battery 1#	/
Right cheek	20600/844	10M QPSK 1RB#0	0.126	0.099	0.15	23.93	25.00	0.161	Battery 2#	/
Right cheek	20450/829	10M QPSK 1RB#49	0.155	0.101	-0.12	23.86	25.00	0.202	Battery 2#	Yes
Right cheek	20525/836.5	10M QPSK 1RB#0	0.126	0.099	0.10	23.92	25.00	0.162	Battery 2#	/
Right cheek	20450/829	10M QPSK 1RB#49	0.054	0.042	0.19	23.86	25.00	0.070	With Wireless Charging Cover	/
Right cheek	20450/829	10M QPSK 1RB#49	0.096	0.075	0.10	23.86	25.00	0.125	Battery 2#	ELE-L29m
Right cheek	20450/829	10M QPSK 1RB#49	0.093	0.072	0.17	23.86	25.00	0.121	With SIM2	ELE-L29m
Right cheek	20450/829	10M QPSK 1RB#49	0.030	0.023	0.18	23.86	25.00	0.038	With Wireless Charging Cover	ELE-L29m

Table 146: Head SAR test results of LTE Band 5

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	15mm	20600/844	10M QPSK 1RB#0	0.229	0.149	-0.15	23.72	24.50	0.274	Battery 1#	/
Back Side	15mm	20600/844	10M QPSK 1RB#0	0.217	0.146	-0.08	23.72	24.50	0.260	Battery 1#	/
Front Side	15mm	20525/836.5	10M QPSK 50%RB#25	0.165	0.107	0.16	22.76	23.50	0.196	Battery 1#	/
Back Side	15mm	20525/836.5	10M QPSK 50%RB#25	0.172	0.111	-0.08	22.76	23.50	0.204	Battery 1#	/
Front Side	15mm	20600/844	10M QPSK 1RB#0	0.236	0.142	0.06	23.72	24.50	0.282	Battery 2#	Yes
Front Side	15mm	20450/829	10M QPSK 1RB#49	0.197	0.129	0.13	23.67	24.50	0.238	Battery 2#	/
Front Side	15mm	20525/836.5	10M QPSK 1RB#0	0.197	0.128	0.02	23.71	24.50	0.236	Battery 2#	/
Front Side	15mm	20600/844	10M QPSK 1RB#0	0.192	0.127	-0.01	23.72	24.50	0.230	With Wireless Charging Cover	/
Front Side	15mm	20600/844	10M QPSK 1RB#0	0.162	0.107	0.01	23.72	24.50	0.194	Battery 2#	ELE-L29m
Front Side	15mm	20600/844	10M QPSK 1RB#0	0.154	0.099	0.08	23.72	24.50	0.184	With SIM2	ELE-L29m
Front Side	15mm	20600/844	10M QPSK 1RB#0	0.178	0.117	-0.15	23.72	24.50	0.213	With Wireless Charging Cover	ELE-L29m
Main Antenna											
Front Side	15mm	20600/844	10M QPSK 1RB#0	0.225	0.155	0.03	23.93	25.00	0.288	Battery 1#	/
Back Side	15mm	20600/844	10M QPSK 1RB#0	0.300	0.218	0.00	23.93	25.00	0.384	Battery 1#	/
Front Side	15mm	20525/836.5	10M QPSK 50%RB#25	0.179	0.124	-0.07	23.02	24.00	0.224	Battery 1#	/
Back Side	15mm	20525/836.5	10M QPSK 50%RB#25	0.230	0.167	0.05	23.02	24.00	0.288	Battery 1#	/
Back Side	15mm	20600/844	10M QPSK 1RB#0	0.389	0.280	-0.18	23.93	25.00	0.498	Battery 2#	Yes
Back Side	15mm	20450/829	10M QPSK 1RB#49	0.317	0.220	-0.10	23.86	25.00	0.412	Battery 2#	/
Back Side	15mm	20600/844	10M QPSK 1RB#0	0.301	0.209	0.06	23.93	25.00	0.385	With Wireless Charging Cover	/
Back Side	15mm	20600/844	10M QPSK 1RB#0	0.272	0.197	-0.15	23.93	25.00	0.348	Battery 2#	ELE-L29m
Back Side	15mm	20600/844	10M QPSK 1RB#0	0.250	0.181	-0.17	23.93	25.00	0.320	With SIM2	ELE-L29m
Back Side	15mm	20600/844	10M QPSK 1RB#0	0.101	0.072	0.03	23.93	25.00	0.129	With Wireless Charging Cover	ELE-L29m

Table 147: Body Worn SAR test results of LTE Band 5

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	10mm	20450/829	10M QPSK 1RB#49	0.139	0.075	0.11	19.66	20.50	0.169	Battery 1#	/
Back Side	10mm	20450/829	10M QPSK 1RB#49	0.163	0.107	-0.10	19.66	20.50	0.198	Battery 1#	/
Left Side	10mm	20450/829	10M QPSK 1RB#49	0.059	0.039	-0.02	19.66	20.50	0.072	Battery 1#	/
Right Side	10mm	20450/829	10M QPSK 1RB#49	0.009	0.006	0.03	19.66	20.50	0.011	Battery 1#	/
Top Side	10mm	20450/829	10M QPSK 1RB#49	0.068	0.040	0.04	19.66	20.50	0.082	Battery 1#	/
Front Side	10mm	20450/829	10M QPSK 50%RB#0	0.136	0.081	-0.06	19.67	20.50	0.165	Battery 1#	/
Back Side	10mm	20450/829	10M QPSK 50%RB#0	0.171	0.093	-0.06	19.67	20.50	0.207	Battery 1#	Yes
Left Side	10mm	20450/829	10M QPSK 50%RB#0	0.063	0.042	-0.05	19.67	20.50	0.076	Battery 1#	/
Right Side	10mm	20450/829	10M QPSK 50%RB#0	0.009	0.006	-0.12	19.67	20.50	0.010	Battery 1#	/
Top Side	10mm	20450/829	10M QPSK 50%RB#0	0.071	0.040	0.14	19.67	20.50	0.086	Battery 1#	/
Back Side	10mm	20450/829	10M QPSK 50%RB#0	0.156	0.085	0.13	19.67	20.50	0.189	Battery 2#	/
Back Side	10mm	20525/836.5	10M QPSK 50%RB#25	0.161	0.088	0.04	19.49	20.50	0.203	Battery 1#	/
Back Side	10mm	20600/844	10M QPSK 50%RB#25	0.148	0.088	-0.09	19.61	20.50	0.182	Battery 1#	/
Back Side	10mm	20450/829	10M QPSK 50%RB#0	0.100	0.066	-0.04	19.67	20.50	0.121	With Wireless Charging Cover	/
Back Side	10mm	20450/829	10M QPSK 50%RB#0	0.141	0.078	-0.07	19.67	20.50	0.171	Battery 1#	ELE-L29m
Back Side	10mm	20450/829	10M QPSK 50%RB#0	0.132	0.078	-0.06	19.67	20.50	0.160	With SIM2	ELE-L29m
Back Side	10mm	20450/829	10M QPSK 50%RB#0	0.091	0.060	0.02	19.67	20.50	0.110	With Wireless Charging Cover	ELE-L29m
Main Antenna											
Front Side	10mm	20600/844	10M QPSK 1RB#0	0.273	0.188	-0.09	23.93	25.00	0.350	Battery 1#	/
Back Side	10mm	20600/844	10M QPSK 1RB#0	0.413	0.296	0.00	23.93	25.00	0.529	Battery 1#	/
Left Side	10mm	20600/844	10M QPSK 1RB#0	0.168	0.105	-0.03	23.93	25.00	0.215	Battery 1#	/
Bottom Side	10mm	20600/844	10M QPSK 1RB#0	0.212	0.139	0.08	23.93	25.00	0.271	Battery 1#	/
Front Side	10mm	20525/836.5	10M QPSK 50%RB#25	0.229	0.157	0.00	23.02	24.00	0.287	Battery 1#	/
Back Side	10mm	20525/836.5	10M QPSK 50%RB#25	0.318	0.228	0.09	23.02	24.00	0.399	Battery 1#	/
Left Side	10mm	20525/836.5	10M QPSK 50%RB#25	0.135	0.083	-0.02	23.02	24.00	0.169	Battery 1#	/
Bottom Side	10mm	20525/836.5	10M QPSK 50%RB#25	0.173	0.113	0.09	23.02	24.00	0.217	Battery 1#	/
Back Side	10mm	20600/844	10M QPSK 1RB#0	0.418	0.300	0.04	23.93	25.00	0.535	Battery 2#	Yes
Back Side	10mm	20450/829	10M QPSK 1RB#49	0.356	0.256	0.03	23.86	25.00	0.462	Battery 2#	/
Back Side	10mm	20525/836.5	10M QPSK 1RB#0	0.390	0.280	-0.02	23.92	25.00	0.500	Battery 2#	/
Back Side	10mm	20600/844	10M QPSK 1RB#0	0.168	0.118	-0.12	23.93	25.00	0.215	With Wireless Charging Cover	/
Back Side	10mm	20600/844	10M QPSK 1RB#0	0.393	0.279	-0.01	23.93	25.00	0.503	Battery 2#	ELE-L29m
Back Side	10mm	20600/844	10M QPSK 1RB#0	0.341	0.234	0.00	23.93	25.00	0.437	With SIM2	ELE-L29m
Back Side	10mm	20600/844	10M QPSK 1RB#0	0.132	0.092	-0.10	23.93	25.00	0.169	With Wireless Charging Cover	ELE-L29m

Table 148: Hotspot SAR test results of LTE Band 5

Per KDB648474D04, when hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Second Antenna										
Front Side	10mm	20450/829	10M QPSK 1RB#49	0.139	0.075	0.11	19.66	24.50	0.424	Yes
Back Side	10mm	20450/829	10M QPSK 1RB#49	0.163	0.107	-0.10	19.66	24.50	0.497	Yes
Left Side	10mm	20450/829	10M QPSK 1RB#49	0.059	0.039	-0.02	19.66	24.50	0.180	Yes
Right Side	10mm	20450/829	10M QPSK 1RB#49	0.009	0.006	0.03	19.66	24.50	0.027	Yes
Top Side	10mm	20450/829	10M QPSK 1RB#49	0.068	0.040	0.04	19.66	24.50	0.207	Yes
Front Side	10mm	20450/829	10M QPSK 50%RB#0	0.136	0.081	-0.06	19.67	23.50	0.329	Yes
Back Side	10mm	20450/829	10M QPSK 50%RB#0	0.171	0.093	-0.06	19.67	23.50	0.413	Yes
Left Side	10mm	20450/829	10M QPSK 50%RB#0	0.063	0.042	-0.05	19.67	23.50	0.152	Yes
Right Side	10mm	20450/829	10M QPSK 50%RB#0	0.009	0.006	-0.12	19.67	23.50	0.021	Yes
Top Side	10mm	20450/829	10M QPSK 50%RB#0	0.071	0.040	0.14	19.67	23.50	0.171	Yes
Back Side	10mm	20450/829	10M QPSK 50%RB#0	0.156	0.085	0.13	19.67	23.50	0.377	Yes
Back Side	10mm	20525/836.5	10M QPSK 50%RB#25	0.161	0.088	0.04	19.49	23.50	0.405	Yes
Back Side	10mm	20600/844	10M QPSK 50%RB#25	0.148	0.088	-0.09	19.61	23.50	0.362	Yes
Back Side	10mm	20450/829	10M QPSK 50%RB#0	0.100	0.066	-0.04	19.67	23.50	0.241	Yes
Back Side	10mm	20450/829	10M QPSK 50%RB#0	0.141	0.078	-0.07	19.67	23.50	0.341	Yes
Back Side	10mm	20450/829	10M QPSK 50%RB#0	0.132	0.078	-0.06	19.67	23.50	0.319	Yes
Back Side	10mm	20450/829	10M QPSK 50%RB#0	0.091	0.060	0.02	19.67	23.50	0.220	Yes
Main Antenna										
Front Side	10mm	20600/844	10M QPSK 1RB#0	0.273	0.188	-0.09	23.93	25.00	0.350	Yes
Back Side	10mm	20600/844	10M QPSK 1RB#0	0.413	0.296	0.00	23.93	25.00	0.529	Yes
Left Side	10mm	20600/844	10M QPSK 1RB#0	0.168	0.105	-0.03	23.93	25.00	0.215	Yes
Bottom Side	10mm	20600/844	10M QPSK 1RB#0	0.212	0.139	0.08	23.93	25.00	0.271	Yes
Front Side	10mm	20525/836.5	10M QPSK 50%RB#25	0.229	0.157	0.00	23.02	24.00	0.287	Yes
Back Side	10mm	20525/836.5	10M QPSK 50%RB#25	0.318	0.228	0.09	23.02	24.00	0.399	Yes
Left Side	10mm	20525/836.5	10M QPSK 50%RB#25	0.135	0.083	-0.02	23.02	24.00	0.169	Yes
Bottom Side	10mm	20525/836.5	10M QPSK 50%RB#25	0.173	0.113	0.09	23.02	24.00	0.217	Yes
Back Side	10mm	20600/844	10M QPSK 1RB#0	0.418	0.300	0.04	23.93	25.00	0.535	Yes
Back Side	10mm	20450/829	10M QPSK 1RB#49	0.356	0.256	0.03	23.86	25.00	0.462	Yes
Back Side	10mm	20525/836.5	10M QPSK 1RB#0	0.390	0.280	-0.02	23.92	25.00	0.500	Yes
Back Side	10mm	20600/844	10M QPSK 1RB#0	0.168	0.118	-0.12	23.93	25.00	0.215	Yes
Back Side	10mm	20600/844	10M QPSK 1RB#0	0.393	0.279	-0.01	23.93	25.00	0.503	Yes
Back Side	10mm	20600/844	10M QPSK 1RB#0	0.341	0.234	0.00	23.93	25.00	0.437	Yes
Back Side	10mm	20600/844	10M QPSK 1RB#0	0.132	0.092	-0.10	23.93	25.00	0.169	Yes

Table 149: Product Specific 10-g SAR test reduction evaluation of LTE Band 5

Note: According to the table above, Product Specific 10-g SAR test is not required for this frequency band.

7.2.9 SAR measurement Results of LTE Band 7

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Second Antenna										
Left cheek	21350/2560	20M QPSK 1RB#99	0.336	0.148	0.13	16.30	16.50	0.352	Battery 1#	/
Left tilt	21350/2560	20M QPSK 1RB#99	0.363	0.163	0.12	16.30	16.50	0.380	Battery 1#	/
Right cheek	21350/2560	20M QPSK 1RB#99	0.586	0.271	0.17	16.30	16.50	0.614	Battery 1#	/
Right tilt	21350/2560	20M QPSK 1RB#99	0.547	0.249	0.09	16.30	16.50	0.573	Battery 1#	/
Left cheek	21350/2560	20M QPSK 50%RB#25	0.318	0.140	0.04	15.97	16.50	0.359	Battery 1#	/
Left tilt	21350/2560	20M QPSK 50%RB#25	0.361	0.163	0.10	15.97	16.50	0.408	Battery 1#	/
Right cheek	21350/2560	20M QPSK 50%RB#25	0.593	0.273	0.17	15.97	16.50	0.670	Battery 1#	Yes
Right tilt	21350/2560	20M QPSK 50%RB#25	0.567	0.268	0.15	15.97	16.50	0.641	Battery 1#	/
Right cheek	21350/2560	20M QPSK 50%RB#25	0.571	0.264	0.16	15.97	16.50	0.645	Battery 2#	/
Right cheek	21350/2560	20M QPSK 50%RB#25	0.535	0.251	0.11	15.97	16.50	0.604	With SIM2	/
Right cheek	20850/2510	20M QPSK 50%RB#50	0.377	0.195	0.08	15.73	16.50	0.450	Battery 1#	/
Right cheek	21100/2535	20M QPSK 50%RB#0	0.443	0.230	0.10	15.97	16.50	0.500	Battery 1#	/
Right cheek	21100/2535 (PCC)	20M QPSK 1RB#99	0.561	0.248	0.00	15.99	16.50	0.631	Battery 1#	/
	21298/2554.8 (SCC)	20M QPSK 1RB#0								
Right cheek	21350/2560	20M QPSK 50%RB#25	0.459	0.229	-0.05	15.97	16.50	0.519	With Wireless Charging Cover	/
Main Antenna										
Left cheek	21350/2560	20M QPSK 1RB#99	0.085	0.046	0.00	23.39	24.00	0.097	Battery 1#	/
Left tilt	21350/2560	20M QPSK 1RB#99	0.059	0.030	0.18	23.39	24.00	0.068	Battery 1#	/
Right cheek	21350/2560	20M QPSK 1RB#99	0.123	0.067	0.12	23.39	24.00	0.142	Battery 1#	/
Right tilt	21350/2560	20M QPSK 1RB#99	0.018	0.008	0.04	23.39	24.00	0.020	Battery 1#	/
Left cheek	21100/2535	20M QPSK 50%RB#0	0.083	0.043	0.18	22.04	23.00	0.104	Battery 1#	/
Left tilt	21100/2535	20M QPSK 50%RB#0	0.052	0.026	-0.03	22.04	23.00	0.065	Battery 1#	/
Right cheek	21100/2535	20M QPSK 50%RB#0	0.096	0.052	0.14	22.04	23.00	0.120	Battery 1#	/
Right tilt	21100/2535	20M QPSK 50%RB#0	0.014	0.006	0.14	22.04	23.00	0.017	Battery 1#	/
Right cheek	21350/2560	20M QPSK 1RB#99	0.111	0.059	0.15	23.39	24.00	0.128	Battery 2#	/
Right cheek	21350/2560	20M QPSK 1RB#99	0.133	0.071	-0.13	23.39	24.00	0.153	With SIM2	/
Right cheek	20850/2510	20M QPSK 1RB#0	0.151	0.082	0.18	22.98	24.00	0.191	Battery 1#	Yes
Right cheek	21100/2535	20M QPSK 1RB#0	0.140	0.071	-0.04	23.29	24.00	0.165	Battery 1#	/
Right cheek	21100/2535 (PCC)	20M QPSK 1RB#99	0.140	0.075	0.06	23.08	24.00	0.173	Battery 1#	/
	21298/2554.8 (SCC)	20M QPSK 1RB#0								
Right cheek	20850/2510	20M QPSK 1RB#0	0.143	0.077	0.12	22.98	24.00	0.181	With Wireless Charging Cover	/

Table 150: Head SAR test results of LTE Band 7

Test Position of Body- Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	15mm	20850/2510	20M QPSK 1RB#99	0.063	0.036	-0.15	21.60	22.00	0.069	Battery 1#	/
Back Side	15mm	20850/2510	20M QPSK 1RB#99	0.166	0.904	-0.14	21.60	22.00	0.182	Battery 1#	/
Front Side	15mm	20850/2510	20M QPSK 50%RB#50	0.057	0.032	0.04	21.00	21.00	0.057	Battery 1#	/
Back Side	15mm	20850/2510	20M QPSK 50%RB#50	0.140	0.073	-0.07	21.00	21.00	0.140	Battery 1#	/
Back Side	15mm	20850/2510	20M QPSK 1RB#99	0.193	0.105	-0.12	21.60	22.00	0.212	Battery 2#	/
Back Side	15mm	20850/2510	20M QPSK 1RB#99	0.172	0.094	-0.09	21.60	22.00	0.189	With SIM2	/
Back Side	15mm	21100/2535	20M QPSK 1RB#99	0.261	0.139	0.19	21.57	22.00	0.288	Battery 2#	Yes
Back Side	15mm	21350/2560	20M QPSK 1RB#99	0.239	0.128	0.07	21.59	22.00	0.263	Battery 2#	/
Back Side	15mm	21100/2535	20M QPSK 1RB#99	0.214	0.111	0.10	21.42	22.00	0.245	Battery 2#	/
		21298/2554.8	20M QPSK 1RB#0								
Back Side	15mm	21100/2535	20M QPSK 1RB#99	0.085	0.047	-0.01	21.57	22.00	0.094	Wireless Charging Cover	/
Main Antenna											
Front Side	15mm	21100/2535	20M QPSK 1RB#0	0.154	0.084	0.03	23.29	24.00	0.181	Battery 1#	/
Back Side	15mm	21100/2535	20M QPSK 1RB#0	0.295	0.165	0.02	23.29	24.00	0.347	Battery 1#	/
Front Side	15mm	21100/2535	20M QPSK 50%RB#0	0.117	0.064	-0.08	22.04	23.00	0.146	Battery 1#	/
Back Side	15mm	21100/2535	20M QPSK 50%RB#0	0.217	0.115	0.09	22.04	23.00	0.271	Battery 1#	/
Back Side	15mm	21100/2535	20M QPSK 1RB#0	0.278	0.156	-0.17	23.29	24.00	0.327	Battery 2#	/
Back Side	15mm	21100/2535	20M QPSK 1RB#0	0.331	0.185	-0.16	23.29	24.00	0.390	With SIM2	Yes
Back Side	15mm	20850/2510	20M QPSK 1RB#0	0.293	0.159	-0.12	22.98	24.00	0.371	With SIM2	/
Back Side	15mm	21350/2560	20M QPSK 1RB#99	0.323	0.183	-0.17	23.39	24.00	0.372	With SIM2	/
Back Side	15mm	21100/2535	20M QPSK 1RB#99	0.276	0.155	-0.13	23.08	24.00	0.341	With SIM2	/
		21298/2554.8	20M QPSK 1RB#0								
Back Side	15mm	21100/2535	20M QPSK 1RB#0	0.167	0.096	-0.12	23.29	24.00	0.197	Wireless Charging Cover	/

Table 151: Body Worn SAR test results of LTE Band 7

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	10mm	21350/2560	20M QPSK 1RB#99	0.081	0.042	0.08	17.70	18.00	0.087	Battery 1#	/
Back Side	10mm	21350/2560	20M QPSK 1RB#99	0.201	0.103	0.00	17.70	18.00	0.215	Battery 1#	/
Left Side	10mm	21350/2560	20M QPSK 1RB#99	0.085	0.033	0.07	17.70	18.00	0.091	Battery 1#	/
Top Side	10mm	21350/2560	20M QPSK 1RB#99	0.177	0.090	0.07	17.70	18.00	0.190	Battery 1#	/
Front Side	10mm	21350/2560	20M QPSK 50%RB#50	0.070	0.036	-0.11	17.63	18.00	0.076	Battery 1#	/
Back Side	10mm	21350/2560	20M QPSK 50%RB#50	0.168	0.088	-0.02	17.63	18.00	0.183	Battery 1#	/
Left Side	10mm	21350/2560	20M QPSK 50%RB#50	0.081	0.032	-0.15	17.63	18.00	0.088	Battery 1#	/
Top Side	10mm	21350/2560	20M QPSK 50%RB#50	0.171	0.087	0.06	17.63	18.00	0.186	Battery 1#	/
Back Side	10mm	21350/2560	20M QPSK 1RB#99	0.237	0.122	-0.12	17.70	18.00	0.254	Battery 2#	Yes
Back Side	10mm	21350/2560	20M QPSK 1RB#99	0.201	0.105	0.15	17.70	18.00	0.215	With SIM2	/
Back Side	10mm	20850/2510	20M QPSK 1RB#99	0.172	0.085	-0.07	17.63	18.00	0.187	Battery 2#	/
Back Side	10mm	21100/2535	20M QPSK 1RB#0	0.182	0.090	-0.14	17.66	18.00	0.197	Battery 2#	/
Back Side	10mm	21100/2535	20M QPSK 1RB#99	0.184	0.092	0.19	17.36	18.00	0.213	Battery 2#	/
		21298/2554.8	20M QPSK 1RB#0								
Back Side	10mm	21350/2560	20M QPSK 1RB#99	0.094	0.050	-0.11	17.70	18.00	0.100	Wireless Charging Cover	/
Main Antenna											
Front Side	10mm	21100/2535	20M QPSK 1RB#0	0.134	0.068	-0.12	20.14	21.00	0.163	Battery 1#	/
Back Side	10mm	21100/2535	20M QPSK 1RB#0	0.264	0.142	-0.10	20.14	21.00	0.322	Battery 1#	/
Left Side	10mm	21100/2535	20M QPSK 1RB#0	0.037	0.021	-0.03	20.14	21.00	0.045	Battery 1#	/
Right Side	10mm	21100/2535	20M QPSK 1RB#0	0.067	0.035	0.19	20.14	21.00	0.082	Battery 1#	/
Bottom Side	10mm	21100/2535	20M QPSK 1RB#0	0.352	0.182	-0.08	20.14	21.00	0.429	Battery 1#	/
Front Side	10mm	21100/2535	20M QPSK 50%RB#0	0.128	0.065	-0.14	20.19	21.00	0.154	Battery 1#	/
Back Side	10mm	21100/2535	20M QPSK 50%RB#0	0.238	0.122	-0.12	20.19	21.00	0.287	Battery 1#	/
Left Side	10mm	21100/2535	20M QPSK 50%RB#0	0.035	0.020	-0.05	20.19	21.00	0.042	Battery 1#	/
Right Side	10mm	21100/2535	20M QPSK 50%RB#0	0.065	0.034	-0.08	20.19	21.00	0.078	Battery 1#	/
Bottom Side	10mm	21100/2535	20M QPSK 50%RB#0	0.322	0.160	-0.09	20.19	21.00	0.388	Battery 1#	/
Bottom Side	10mm	21100/2535	20M QPSK 1RB#0	0.336	0.173	-0.06	20.14	21.00	0.410	Battery 2#	/
Bottom Side	10mm	21100/2535	20M QPSK 1RB#0	0.340	0.174	-0.01	20.14	21.00	0.414	With SIM2	/
Bottom Side	10mm	20850/2510	20M QPSK 1RB#0	0.297	0.149	-0.03	20.06	21.00	0.369	Battery 1#	/
Bottom Side	10mm	21350/2560	20M QPSK 1RB#99	0.376	0.192	-0.03	20.13	21.00	0.459	Battery 1#	Yes
Bottom Side	10mm	21100/2535	20M QPSK 1RB#0	0.293	0.154	-0.06	19.45	21.00	0.419	Battery 1#	/
		20902/2515.2	20M QPSK 1RB#99								
Bottom Side	10mm	21350/2560	20M QPSK 1RB#99	0.209	0.111	0.06	20.13	21.00	0.255	Wireless Charging Cover	/

Table 152: Hotspot SAR test results of LTE Band 7

Per KDB648474D04, when hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Second Antenna										
Front Side	10mm	21350/2560	20M QPSK 1RB#99	0.081	0.042	0.08	17.70	22.00	0.219	Yes
Back Side	10mm	21350/2560	20M QPSK 1RB#99	0.201	0.103	0.00	17.70	22.00	0.541	Yes
Left Side	10mm	21350/2560	20M QPSK 1RB#99	0.085	0.033	0.07	17.70	22.00	0.229	Yes
Top Side	10mm	21350/2560	20M QPSK 1RB#99	0.177	0.090	0.07	17.70	22.00	0.476	Yes
Front Side	10mm	21350/2560	20M QPSK 50%RB#50	0.070	0.036	-0.11	17.63	21.00	0.153	Yes
Back Side	10mm	21350/2560	20M QPSK 50%RB#50	0.168	0.088	-0.02	17.63	21.00	0.365	Yes
Left Side	10mm	21350/2560	20M QPSK 50%RB#50	0.081	0.032	-0.15	17.63	21.00	0.176	Yes
Top Side	10mm	21350/2560	20M QPSK 50%RB#50	0.171	0.087	0.06	17.63	21.00	0.372	Yes
Back Side	10mm	21350/2560	20M QPSK 1RB#99	0.237	0.122	-0.12	17.70	22.00	0.638	Yes
Back Side	10mm	21350/2560	20M QPSK 1RB#99	0.201	0.105	0.15	17.70	22.00	0.541	Yes
Back Side	10mm	20850/2510	20M QPSK 1RB#99	0.172	0.085	-0.07	17.63	22.00	0.470	Yes
Back Side	10mm	21100/2535	20M QPSK 1RB#0	0.182	0.090	-0.14	17.66	22.00	0.494	Yes
Back Side	10mm	21100/2535	20M QPSK 1RB#99	0.184	0.092	0.19	17.36	22.00	0.536	Yes
		21298/2554.8	20M QPSK 1RB#0							
Back Side	10mm	21350/2560	20M QPSK 1RB#99	0.094	0.050	-0.11	17.70	22.00	0.252	Yes
Main Antenna										
Front Side	10mm	21100/2535	20M QPSK 1RB#0	0.134	0.068	-0.12	20.14	24.00	0.326	Yes
Back Side	10mm	21100/2535	20M QPSK 1RB#0	0.264	0.142	-0.10	20.14	24.00	0.642	Yes
Left Side	10mm	21100/2535	20M QPSK 1RB#0	0.037	0.021	-0.03	20.14	24.00	0.089	Yes
Right Side	10mm	21100/2535	20M QPSK 1RB#0	0.067	0.035	0.19	20.14	24.00	0.163	Yes
Bottom Side	10mm	21100/2535	20M QPSK 1RB#0	0.352	0.182	-0.08	20.14	24.00	0.856	Yes
Front Side	10mm	21100/2535	20M QPSK 50%RB#0	0.128	0.065	-0.14	20.19	23.00	0.244	Yes
Back Side	10mm	21100/2535	20M QPSK 50%RB#0	0.238	0.122	-0.12	20.19	23.00	0.455	Yes
Left Side	10mm	21100/2535	20M QPSK 50%RB#0	0.035	0.020	-0.05	20.19	23.00	0.067	Yes
Right Side	10mm	21100/2535	20M QPSK 50%RB#0	0.065	0.034	-0.08	20.19	23.00	0.123	Yes
Bottom Side	10mm	21100/2535	20M QPSK 50%RB#0	0.322	0.160	-0.09	20.19	23.00	0.615	Yes
Bottom Side	10mm	21100/2535	20M QPSK 1RB#0	0.336	0.173	-0.06	20.14	24.00	0.817	Yes
Bottom Side	10mm	21100/2535	20M QPSK 1RB#0	0.340	0.174	-0.01	20.14	24.00	0.827	Yes
Bottom Side	10mm	20850/2510	20M QPSK 1RB#0	0.297	0.149	-0.03	20.06	24.00	0.736	Yes
Bottom Side	10mm	21350/2560	20M QPSK 1RB#99	0.376	0.192	-0.03	20.13	24.00	0.917	Yes
Bottom Side	10mm	21100/2535	20M QPSK 1RB#0	0.293	0.154	-0.06	19.45	24.00	0.835	Yes
		20902/2515.2	20M QPSK 1RB#99							
Bottom Side	10mm	21350/2560	20M QPSK 1RB#99	0.209	0.111	0.06	20.13	24.00	0.510	Yes

Table 153: Product Specific 10-g SAR test reduction evaluation of LTE Band 7

Note: According to the table above, Product Specific 10-g SAR test is not required for this frequency band.

7.2.10 SAR measurement Results of LTE Band 12

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Second Antenna										
Left cheek	23130/711	10M QPSK 1RB#25	0.309	0.156	0.00	18.94	20.00	0.394	Battery 1#	/
Left tilt	23130/711	10M QPSK 1RB#25	0.246	0.120	-0.02	18.94	20.00	0.314	Battery 1#	/
Right cheek	23130/711	10M QPSK 1RB#25	0.403	0.204	-0.07	18.94	20.00	0.514	Battery 1#	/
Right tilt	23130/711	10M QPSK 1RB#25	0.299	0.151	0.14	18.94	20.00	0.382	Battery 1#	/
Left cheek	23095/707.5	10M QPSK 50%RB#25	0.282	0.139	0.06	18.87	20.00	0.366	Battery 1#	/
Left tilt	23095/707.5	10M QPSK 50%RB#25	0.244	0.118	-0.02	18.87	20.00	0.317	Battery 1#	/
Right cheek	23095/707.5	10M QPSK 50%RB#25	0.308	0.163	0.05	18.87	20.00	0.400	Battery 1#	/
Right tilt	23095/707.5	10M QPSK 50%RB#25	0.303	0.153	-0.18	18.87	20.00	0.393	Battery 1#	/
Right cheek	23130/711	10M QPSK 1RB#25	0.314	0.162	-0.08	18.94	20.00	0.401	Battery 2#	/
Right cheek	23060/704	10M QPSK 1RB#25	0.296	0.155	-0.09	18.83	20.00	0.388	Battery 1#	/
Right cheek	23095/707.5	10M QPSK 1RB#25	0.413	0.209	-0.07	18.81	20.00	0.543	Battery 1#	Yes
Right cheek	23095/707.5	10M QPSK 1RB#25	0.364	0.186	-0.07	18.81	20.00	0.479	With Wireless Charging Cover	/
Right cheek	23095/707.5	10M QPSK 1RB#25	0.321	0.169	0.13	18.81	20.00	0.422	Battery 1#	ELE-L29m
Right cheek	23095/707.5	10M QPSK 1RB#25	0.314	0.167	-0.06	18.81	20.00	0.413	With SIM2	ELE-L29m
Right cheek	23095/707.5	10M QPSK 1RB#25	0.293	0.129	-0.04	18.81	20.00	0.385	With Wireless Charging Cover	ELE-L29m
Main Antenna										
Left cheek	23130/711	10M QPSK 1RB#25	0.089	0.062	-0.02	23.65	25.00	0.122	Battery 1#	/
Left tilt	23130/711	10M QPSK 1RB#25	0.048	0.031	0.05	23.65	25.00	0.066	Battery 1#	/
Right cheek	23130/711	10M QPSK 1RB#25	0.068	0.055	-0.04	23.65	25.00	0.093	Battery 1#	/
Right tilt	23130/711	10M QPSK 1RB#25	0.034	0.028	0.03	23.65	25.00	0.047	Battery 1#	/
Left cheek	23060/704	10M QPSK 50%RB#25	0.087	0.058	-0.02	22.63	24.00	0.120	Battery 1#	/
Left tilt	23060/704	10M QPSK 50%RB#25	0.037	0.026	0.09	22.63	24.00	0.050	Battery 1#	/
Right cheek	23060/704	10M QPSK 50%RB#25	0.056	0.045	-0.07	22.63	24.00	0.077	Battery 1#	/
Right tilt	23060/704	10M QPSK 50%RB#25	0.028	0.023	0.02	22.63	24.00	0.038	Battery 1#	/
Left cheek	23130/711	10M QPSK 1RB#25	0.099	0.064	0.11	23.65	25.00	0.135	Battery 2#	Yes
Left cheek	23060/704	10M QPSK 1RB#25	0.094	0.061	0.04	23.59	25.00	0.130	Battery 2#	/
Left cheek	23095/707.5	10M QPSK 1RB#25	0.096	0.063	0.15	23.59	25.00	0.133	Battery 2#	/
Left cheek	23130/711	10M QPSK 1RB#25	0.064	0.040	0.14	23.65	25.00	0.087	With Wireless Charging Cover	/
Left cheek	23130/711	10M QPSK 1RB#25	0.092	0.062	0.06	23.65	25.00	0.125	Battery 2#	ELE-L29m
Left cheek	23130/711	10M QPSK 1RB#25	0.090	0.059	-0.08	23.65	25.00	0.123	With SIM2	ELE-L29m
Left cheek	23130/711	10M QPSK 1RB#25	0.034	0.021	0.10	23.65	25.00	0.046	With Wireless Charging Cover	ELE-L29m

Table 154: Head SAR test results of LTE Band 12

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	15mm	23130/711	10M QPSK 1RB#0	0.175	0.104	0.03	23.36	24.50	0.228	Battery 1#	/
Back Side	15mm	23130/711	10M QPSK 1RB#0	0.172	0.119	0.04	23.36	24.50	0.224	Battery 1#	/
Front Side	15mm	23095/707.5	10M QPSK 50%RB#25	0.170	0.114	0.04	22.36	23.50	0.221	Battery 1#	/
Back Side	15mm	23095/707.5	10M QPSK 50%RB#25	0.135	0.093	0.02	22.36	23.50	0.176	Battery 1#	/
Front Side	15mm	23130/711	10M QPSK 1RB#0	0.162	0.108	0.02	23.36	24.50	0.211	Battery 2#	/
Front Side	15mm	23060/704	10M QPSK 1RB#25	0.160	0.107	0.02	23.21	24.50	0.215	Battery 1#	/
Front Side	15mm	23095/707.5	10M QPSK 1RB#49	0.140	0.097	0.05	23.22	24.50	0.188	Battery 1#	/
Front Side	15mm	23130/711	10M QPSK 1RB#0	0.145	0.100	0.00	23.36	24.50	0.189	With Wireless Charging Cover	/
Front Side	15mm	23130/711	10M QPSK 1RB#0	0.198	0.117	0.03	23.36	24.50	0.257	Battery 1#	Yes ELE-L29m
Front Side	15mm	23130/711	10M QPSK 1RB#0	0.177	0.123	0.04	23.36	24.50	0.230	With SIM2	ELE-L29m
Front Side	15mm	23130/711	10M QPSK 1RB#0	0.146	0.103	-0.18	23.36	24.50	0.190	With Wireless Charging Cover	ELE-L29m
Main Antenna											
Front Side	15mm	23130/711	10M QPSK 1RB#25	0.150	0.104	0.07	23.65	25.00	0.205	Battery 1#	/
Back Side	15mm	23130/711	10M QPSK 1RB#25	0.223	0.159	-0.13	23.65	25.00	0.304	Battery 1#	/
Front Side	15mm	23060/704	10M QPSK 50%RB#25	0.121	0.084	0.10	22.63	24.00	0.166	Battery 1#	/
Back Side	15mm	23060/704	10M QPSK 50%RB#25	0.192	0.133	-0.12	22.63	24.00	0.263	Battery 1#	/
Back Side	15mm	23130/711	10M QPSK 1RB#25	0.219	0.155	-0.04	23.65	25.00	0.299	Battery 2#	/
Back Side	15mm	23060/704	10M QPSK 1RB#25	0.223	0.152	-0.07	23.59	25.00	0.309	Battery 1#	/
Back Side	15mm	23095/707.5	10M QPSK 1RB#25	0.236	0.157	-0.10	23.59	25.00	0.327	Battery 1#	Yes
Back Side	15mm	23095/707.5	10M QPSK 1RB#25	0.114	0.083	-0.17	23.59	25.00	0.158	With Wireless Charging Cover	/
Back Side	15mm	23095/707.5	10M QPSK 1RB#25	0.221	0.156	-0.12	23.59	25.00	0.306	Battery 1#	ELE-L29m
Back Side	15mm	23095/707.5	10M QPSK 1RB#25	0.210	0.149	-0.09	23.59	25.00	0.291	With SIM2	ELE-L29m
Back Side	15mm	23095/707.5	10M QPSK 1RB#25	0.147	0.106	-0.06	23.59	25.00	0.203	With Wireless Charging Cover	ELE-L29m

Table 155: Body Worn SAR test results of LTE Band 12

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	10mm	23130/711	10M QPSK 1RB#25	0.163	0.101	-0.07	20.16	21.00	0.198	Battery 1#	/
Back Side	10mm	23130/711	10M QPSK 1RB#25	0.190	0.104	-0.04	20.16	21.00	0.231	Battery 1#	/
Left Side	10mm	23130/711	10M QPSK 1RB#25	0.052	0.034	0.15	20.16	21.00	0.063	Battery 1#	/
Right Side	10mm	23130/711	10M QPSK 1RB#25	0.020	0.013	0.13	20.16	21.00	0.024	Battery 1#	/
Top Side	10mm	23130/711	10M QPSK 1RB#25	0.114	0.067	0.11	20.16	21.00	0.138	Battery 1#	/
Front Side	10mm	23095/707.5	10M QPSK 50%RB#0	0.168	0.104	0.00	20.06	21.00	0.209	Battery 1#	/
Back Side	10mm	23095/707.5	10M QPSK 50%RB#0	0.196	0.107	0.01	20.06	21.00	0.243	Battery 1#	Yes
Left Side	10mm	23095/707.5	10M QPSK 50%RB#0	0.050	0.034	0.13	20.06	21.00	0.061	Battery 1#	/
Right Side	10mm	23095/707.5	10M QPSK 50%RB#0	0.019	0.012	0.19	20.06	21.00	0.023	Battery 1#	/
Top Side	10mm	23095/707.5	10M QPSK 50%RB#0	0.116	0.068	0.12	20.06	21.00	0.144	Battery 1#	/
Back Side	10mm	23095/707.5	10M QPSK 50%RB#0	0.178	0.099	-0.04	20.06	21.00	0.221	Battery 2#	/
Back Side	10mm	23060/704	10M QPSK 50%RB#0	0.138	0.078	-0.07	19.83	21.00	0.181	Battery 1#	/
Back Side	10mm	23130/711	10M QPSK 50%RB#0	0.151	0.085	0.00	20.00	21.00	0.190	Battery 1#	/
Back Side	10mm	23095/707.5	10M QPSK 50%RB#0	0.102	0.060	-0.09	20.06	21.00	0.127	With Wireless Charging Cover	/
Back Side	10mm	23095/707.5	10M QPSK 50%RB#0	0.178	0.098	-0.07	20.06	21.00	0.221	Battery 1#	ELE-L29m
Back Side	10mm	23095/707.5	10M QPSK 50%RB#0	0.173	0.096	-0.05	20.06	21.00	0.215	With SIM2	ELE-L29m
Back Side	10mm	23095/707.5	10M QPSK 50%RB#0	0.098	0.067	-0.02	20.06	21.00	0.122	With Wireless Charging Cover	ELE-L29m
Main Antenna											
Front Side	10mm	23130/711	10M QPSK 1RB#25	0.236	0.160	0.04	23.65	25.00	0.322	Battery 1#	/
Back Side	10mm	23130/711	10M QPSK 1RB#25	0.357	0.235	-0.08	23.65	25.00	0.487	Battery 1#	/
Left Side	10mm	23130/711	10M QPSK 1RB#25	0.349	0.211	-0.18	23.65	25.00	0.476	Battery 1#	/
Bottom Side	10mm	23130/711	10M QPSK 1RB#25	0.126	0.076	0.14	23.65	25.00	0.172	Battery 1#	/
Front Side	10mm	23060/704	10M QPSK 50%RB#25	0.188	0.128	0.09	22.63	24.00	0.258	Battery 1#	/
Back Side	10mm	23060/704	10M QPSK 50%RB#25	0.304	0.203	-0.08	22.63	24.00	0.417	Battery 1#	/
Left Side	10mm	23060/704	10M QPSK 50%RB#25	0.282	0.171	-0.18	22.63	24.00	0.387	Battery 1#	/
Bottom Side	10mm	23060/704	10M QPSK 50%RB#25	0.102	0.062	0.15	22.63	24.00	0.140	Battery 1#	/
Back Side	10mm	23130/711	10M QPSK 1RB#25	0.347	0.234	0.19	23.65	25.00	0.474	Battery 2#	/
Back Side	10mm	23060/704	10M QPSK 1RB#25	0.351	0.237	0.00	23.59	25.00	0.486	Battery 1#	/
Back Side	10mm	23095/707.5	10M QPSK 1RB#25	0.362	0.244	-0.12	23.59	25.00	0.501	Battery 1#	Yes
Back Side	10mm	23095/707.5	10M QPSK 1RB#25	0.114	0.083	-0.17	23.59	25.00	0.158	With Wireless Charging Cover	/
Back Side	10mm	23095/707.5	10M QPSK 1RB#25	0.345	0.229	-0.14	23.59	25.00	0.477	Battery 1#	ELE-L29m
Back Side	10mm	23095/707.5	10M QPSK 1RB#25	0.335	0.228	-0.17	23.59	25.00	0.463	With SIM2	ELE-L29m
Back Side	10mm	23095/707.5	10M QPSK 1RB#25	0.134	0.096	-0.10	23.59	25.00	0.185	With Wireless Charging Cover	ELE-L29m

Table 156: Hotspot SAR test results of LTE Band 12

Per KDB648474D04, when hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Second Antenna										
Front Side	10mm	23130/711	10M QPSK 1RB#25	0.163	0.101	-0.07	20.16	24.50	0.443	Yes
Back Side	10mm	23130/711	10M QPSK 1RB#25	0.190	0.104	-0.04	20.16	24.50	0.516	Yes
Left Side	10mm	23130/711	10M QPSK 1RB#25	0.052	0.034	0.15	20.16	24.50	0.141	Yes
Right Side	10mm	23130/711	10M QPSK 1RB#25	0.020	0.013	0.13	20.16	24.50	0.053	Yes
Top Side	10mm	23130/711	10M QPSK 1RB#25	0.114	0.067	0.11	20.16	24.50	0.310	Yes
Front Side	10mm	23095/707.5	10M QPSK 50%RB#0	0.168	0.104	0.00	20.06	23.50	0.371	Yes
Back Side	10mm	23095/707.5	10M QPSK 50%RB#0	0.196	0.107	0.01	20.06	23.50	0.433	Yes
Left Side	10mm	23095/707.5	10M QPSK 50%RB#0	0.050	0.034	0.13	20.06	23.50	0.109	Yes
Right Side	10mm	23095/707.5	10M QPSK 50%RB#0	0.019	0.012	0.19	20.06	23.50	0.041	Yes
Top Side	10mm	23095/707.5	10M QPSK 50%RB#0	0.116	0.068	0.12	20.06	23.50	0.256	Yes
Back Side	10mm	23095/707.5	10M QPSK 50%RB#0	0.178	0.099	-0.04	20.06	23.50	0.393	Yes
Back Side	10mm	23060/704	10M QPSK 50%RB#0	0.138	0.078	-0.07	19.83	23.50	0.321	Yes
Back Side	10mm	23130/711	10M QPSK 50%RB#0	0.151	0.085	0.00	20.00	23.50	0.338	Yes
Back Side	10mm	23095/707.5	10M QPSK 50%RB#0	0.102	0.060	-0.09	20.06	23.50	0.225	Yes
Back Side	10mm	23095/707.5	10M QPSK 50%RB#0	0.178	0.098	-0.07	20.06	23.50	0.393	Yes ELE-L29m
Back Side	10mm	23095/707.5	10M QPSK 50%RB#0	0.173	0.096	-0.05	20.06	23.50	0.382	Yes ELE-L29m
Back Side	10mm	23095/707.5	10M QPSK 50%RB#0	0.098	0.067	-0.02	20.06	23.50	0.216	Yes ELE-L29m
Main Antenna										
Front Side	10mm	23130/711	10M QPSK 1RB#25	0.236	0.160	0.04	23.65	25.00	0.322	Yes
Back Side	10mm	23130/711	10M QPSK 1RB#25	0.357	0.235	-0.08	23.65	25.00	0.487	Yes
Left Side	10mm	23130/711	10M QPSK 1RB#25	0.349	0.211	-0.18	23.65	25.00	0.476	Yes
Bottom Side	10mm	23130/711	10M QPSK 1RB#25	0.126	0.076	0.14	23.65	25.00	0.172	Yes
Front Side	10mm	23060/704	10M QPSK 50%RB#25	0.188	0.128	0.09	22.63	24.00	0.258	Yes
Back Side	10mm	23060/704	10M QPSK 50%RB#25	0.304	0.203	-0.08	22.63	24.00	0.417	Yes
Left Side	10mm	23060/704	10M QPSK 50%RB#25	0.282	0.171	-0.18	22.63	24.00	0.387	Yes
Bottom Side	10mm	23060/704	10M QPSK 50%RB#25	0.102	0.062	0.15	22.63	24.00	0.140	Yes
Back Side	10mm	23130/711	10M QPSK 1RB#25	0.347	0.234	0.19	23.65	25.00	0.474	Yes
Back Side	10mm	23060/704	10M QPSK 1RB#25	0.351	0.237	0.00	23.59	25.00	0.486	Yes
Back Side	10mm	23095/707.5	10M QPSK 1RB#25	0.362	0.244	-0.12	23.59	25.00	0.501	Yes
Back Side	10mm	23095/707.5	10M QPSK 1RB#25	0.114	0.083	-0.17	23.59	25.00	0.158	Yes
Back Side	10mm	23095/707.5	10M QPSK 1RB#25	0.345	0.229	-0.14	23.59	25.00	0.477	Yes ELE-L29m
Back Side	10mm	23095/707.5	10M QPSK 1RB#25	0.335	0.228	-0.17	23.59	25.00	0.463	Yes ELE-L29m
Back Side	10mm	23095/707.5	10M QPSK 1RB#25	0.134	0.096	-0.10	23.59	25.00	0.185	Yes ELE-L29m

Table 157: Product Specific 10-g SAR test reduction evaluation of LTE Band 12

Note: According to the table above, Product Specific 10-g SAR test is not required for this frequency band.

7.2.11 SAR measurement Results of LTE Band 26

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Second Antenna										
Left cheek	26965/841.5	15M QPSK 1RB#38	0.357	0.178	-0.05	18.64	19.70	0.456	Battery 1#	/
Left tilt	26965/841.5	15M QPSK 1RB#38	0.254	0.125	-0.02	18.64	19.70	0.324	Battery 1#	/
Right cheek	26965/841.5	15M QPSK 1RB#38	0.346	0.187	-0.19	18.64	19.70	0.442	Battery 1#	/
Right tilt	26965/841.5	15M QPSK 1RB#38	0.294	0.148	-0.06	18.64	19.70	0.375	Battery 1#	/
Left cheek	26965/841.5	15M QPSK 50%RB#18	0.377	0.176	-0.08	18.68	19.70	0.477	Battery 1#	Yes
Left tilt	26965/841.5	15M QPSK 50%RB#18	0.267	0.132	-0.19	18.68	19.70	0.338	Battery 1#	/
Right cheek	26965/841.5	15M QPSK 50%RB#18	0.343	0.185	-0.06	18.68	19.70	0.434	Battery 1#	/
Right tilt	26965/841.5	15M QPSK 50%RB#18	0.278	0.145	-0.18	18.68	19.70	0.352	Battery 1#	/
Left cheek	26965/841.5	15M QPSK 50%RB#18	0.344	0.172	-0.01	18.68	19.70	0.435	Battery 2#	/
Left cheek	26765/821.5	15M QPSK 50%RB#18	0.321	0.160	0.07	18.65	19.70	0.409	Battery 1#	/
Left cheek	26865/831.5	15M QPSK 50%RB#39	0.317	0.160	0.00	18.56	19.70	0.412	Battery 1#	/
Left cheek	26965/841.5	15M QPSK 50%RB#18	0.332	0.163	0.02	18.68	19.70	0.420	With Wireless Charging Cover	/
Left cheek	26965/841.5	15M QPSK 50%RB#18	0.341	0.170	0.15	18.68	19.70	0.431	Battery 1#	ELE-L29m
Left cheek	26965/841.5	15M QPSK 50%RB#18	0.333	0.169	-0.02	18.68	19.70	0.421	With SIM2	ELE-L29m
Left cheek	26965/841.5	15M QPSK 50%RB#18	0.333	0.166	0.12	18.68	19.70	0.421	With Wireless Charging Cover	ELE-L29m
Main Antenna										
Left cheek	26865/831.5	15M QPSK 1RB#0	0.066	0.046	0.19	23.70	25.20	0.093	Battery 1#	/
Left tilt	26865/831.5	15M QPSK 1RB#0	0.042	0.031	-0.04	23.70	25.20	0.059	Battery 1#	/
Right cheek	26865/831.5	15M QPSK 1RB#0	0.082	0.066	0.15	23.70	25.20	0.116	Battery 1#	/
Right tilt	26865/831.5	15M QPSK 1RB#0	0.036	0.029	0.05	23.70	25.20	0.051	Battery 1#	/
Left cheek	26765/821.5	15M QPSK 50%RB#39	0.053	0.042	0.19	22.62	24.20	0.077	Battery 1#	/
Left tilt	26765/821.5	15M QPSK 50%RB#39	0.039	0.030	0.08	22.62	24.20	0.056	Battery 1#	/
Right cheek	26765/821.5	15M QPSK 50%RB#39	0.072	0.057	0.16	22.62	24.20	0.103	Battery 1#	/
Right tilt	26765/821.5	15M QPSK 50%RB#39	0.033	0.026	-0.03	22.62	24.20	0.047	Battery 1#	/
Right cheek	26865/831.5	15M QPSK 1RB#0	0.095	0.075	0.18	23.70	25.20	0.134	Battery 2#	/
Right cheek	26765/821.5	15M QPSK 1RB#74	0.091	0.072	0.14	23.49	25.20	0.135	Battery 2#	/
Right cheek	26965/841.5	15M QPSK 1RB#74	0.114	0.090	0.14	23.68	25.20	0.162	Battery 2#	Yes
Right cheek	26965/841.5	15M QPSK 1RB#74	0.035	0.028	0.17	23.68	25.20	0.050	With Wireless Charging Cover	/
Right cheek	26965/841.5	15M QPSK 1RB#74	0.111	0.088	0.11	23.68	25.20	0.158	Battery 2#	ELE-L29m
Right cheek	26965/841.5	15M QPSK 1RB#74	0.094	0.074	-0.10	23.68	25.20	0.133	With SIM2	ELE-L29m
Right cheek	26965/841.5	15M QPSK 1RB#74	0.021	0.017	0.09	23.68	25.20	0.030	With Wireless Charging Cover	ELE-L29m

Table 158: Head SAR test results of LTE Band 26

Test Position of Body-Worn	Dist.	Test Channel /Freq. (MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	15mm	26965/841.5	15M QPSK 1RB#74	0.202	0.137	-0.09	23.67	24.70	0.256	Battery 1#	/
Back Side	15mm	26965/841.5	15M QPSK 1RB#74	0.216	0.146	-0.10	23.67	24.70	0.274	Battery 1#	Yes
Front Side	15mm	26865/831.5	15M QPSK 50%RB#39	0.165	0.108	-0.13	22.59	23.70	0.213	Battery 1#	/
Back Side	15mm	26865/831.5	15M QPSK 50%RB#39	0.138	0.093	0.00	22.59	23.70	0.178	Battery 1#	/
Back Side	15mm	26965/841.5	15M QPSK 1RB#74	0.172	0.115	-0.03	23.67	24.70	0.218	Battery 2#	/
Back Side	15mm	26765/821.5	15M QPSK 1RB#0	0.173	0.116	-0.06	23.47	24.70	0.230	Battery 1#	/
Back Side	15mm	26865/831.5	15M QPSK 1RB#0	0.197	0.132	0.00	23.52	24.70	0.259	Battery 1#	/
Back Side	15mm	26965/841.5	15M QPSK 1RB#74	0.133	0.091	-0.08	23.67	24.70	0.169	With Wireless Charging Cover	/
Back Side	15mm	26965/841.5	15M QPSK 1RB#74	0.185	0.126	-0.18	23.67	24.70	0.235	Battery 2#	ELE-L29m
Back Side	15mm	26965/841.5	15M QPSK 1RB#74	0.184	0.125	-0.06	23.67	24.70	0.233	With SIM2	ELE-L29m
Back Side	15mm	26965/841.5	15M QPSK 1RB#74	0.133	0.091	-0.15	23.67	24.70	0.169	With Wireless Charging Cover	ELE-L29m
Main Antenna											
Front Side	15mm	26865/831.5	15M QPSK 1RB#0	0.226	0.170	-0.03	23.70	25.20	0.319	Battery 1#	/
Back Side	15mm	26865/831.5	15M QPSK 1RB#0	0.280	0.206	-0.09	23.70	25.20	0.396	Battery 1#	/
Front Side	15mm	26765/821.5	15M QPSK 50%RB#39	0.173	0.120	-0.02	22.62	24.20	0.249	Battery 1#	/
Back Side	15mm	26765/821.5	15M QPSK 50%RB#39	0.236	0.174	-0.01	22.62	24.20	0.340	Battery 1#	/
Back Side	15mm	26865/831.5	15M QPSK 1RB#0	0.282	0.209	-0.02	23.70	25.20	0.398	Battery 2#	/
Back Side	15mm	26765/821.5	15M QPSK 1RB#74	0.281	0.207	-0.18	23.49	25.20	0.417	Battery 2#	/
Back Side	15mm	26965/841.5	15M QPSK 1RB#74	0.315	0.230	-0.02	23.68	25.20	0.447	Battery 2#	Yes
Back Side	15mm	26965/841.5	15M QPSK 1RB#74	0.097	0.070	-0.11	23.68	25.20	0.137	With Wireless Charging Cover	/
Back Side	15mm	26965/841.5	15M QPSK 1RB#74	0.259	0.189	-0.01	23.68	25.20	0.368	Battery 2#	ELE-L29m
Back Side	15mm	26965/841.5	15M QPSK 1RB#74	0.243	0.178	0.00	23.68	25.20	0.345	With SIM2	ELE-L29m
Back Side	15mm	26965/841.5	15M QPSK 1RB#74	0.110	0.079	-0.15	23.68	25.20	0.156	With Wireless Charging Cover	ELE-L29m

Table 159: Body Worn SAR test results of LTE Band 26

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	10mm	26965/841.5	15M QPSK 1RB#0	0.163	0.110	0.04	20.66	21.70	0.207	Battery 1#	/
Back Side	10mm	26965/841.5	15M QPSK 1RB#0	0.205	0.112	-0.09	20.66	21.70	0.260	Battery 1#	Yes
Left Side	10mm	26965/841.5	15M QPSK 1RB#0	0.007	0.005	0.09	20.66	21.70	0.009	Battery 1#	/
Right Side	10mm	26965/841.5	15M QPSK 1RB#0	0.011	0.007	0.13	20.66	21.70	0.014	Battery 1#	/
Top Side	10mm	26965/841.5	15M QPSK 1RB#0	0.094	0.053	0.12	20.66	21.70	0.120	Battery 1#	/
Front Side	10mm	26765/821.5	15M QPSK 50%RB#18	0.146	0.099	0.10	20.65	21.70	0.186	Battery 1#	/
Back Side	10mm	26765/821.5	15M QPSK 50%RB#18	0.185	0.102	-0.07	20.65	21.70	0.236	Battery 1#	/
Left Side	10mm	26765/821.5	15M QPSK 50%RB#18	0.070	0.047	0.09	20.65	21.70	0.089	Battery 1#	/
Right Side	10mm	26765/821.5	15M QPSK 50%RB#18	0.010	0.006	0.14	20.65	21.70	0.012	Battery 1#	/
Top Side	10mm	26765/821.5	15M QPSK 50%RB#18	0.091	0.051	0.11	20.65	21.70	0.116	Battery 1#	/
Back Side	10mm	26965/841.5	15M QPSK 1RB#0	0.176	0.112	-0.07	20.66	21.70	0.224	Battery 2#	/
Back Side	10mm	26765/821.5	15M QPSK 1RB#74	0.190	0.121	-0.09	20.63	21.70	0.243	Battery 1#	/
Back Side	10mm	26865/831.5	15M QPSK 1RB#38	0.190	0.120	-0.02	20.54	21.70	0.248	Battery 1#	/
Back Side	10mm	26965/841.5	15M QPSK 1RB#0	0.113	0.074	-0.04	20.66	21.70	0.144	With Wireless Charging Cover	/
Back Side	10mm	26965/841.5	15M QPSK 1RB#0	0.189	0.104	-0.03	20.66	21.70	0.240	Battery 1#	ELE-L29m
Back Side	10mm	26965/841.5	15M QPSK 1RB#0	0.188	0.103	0.02	20.66	21.70	0.239	With SIM2	ELE-L29m
Back Side	10mm	26965/841.5	15M QPSK 1RB#0	0.106	0.071	-0.02	20.66	21.70	0.135	With Wireless Charging Cover	ELE-L29m
Main Antenna											
Front Side	10mm	26865/831.5	15M QPSK 1RB#0	0.209	0.144	0.00	23.70	25.20	0.295	Battery 1#	/
Back Side	10mm	26865/831.5	15M QPSK 1RB#0	0.337	0.242	-0.02	23.70	25.20	0.476	Battery 1#	/
Left Side	10mm	26865/831.5	15M QPSK 1RB#0	0.192	0.107	0.19	23.70	25.20	0.271	Battery 1#	/
Bottom Side	10mm	26865/831.5	15M QPSK 1RB#0	0.203	0.126	-0.01	23.70	25.20	0.287	Battery 1#	/
Front Side	10mm	26765/821.5	15M QPSK 50%RB#39	0.172	0.119	0.02	22.62	24.20	0.247	Battery 1#	/
Back Side	10mm	26765/821.5	15M QPSK 50%RB#39	0.247	0.168	-0.02	22.62	24.20	0.355	Battery 1#	/
Left Side	10mm	26765/821.5	15M QPSK 50%RB#39	0.159	0.088	0.17	22.62	24.20	0.229	Battery 1#	/
Bottom Side	10mm	26765/821.5	15M QPSK 50%RB#39	0.153	0.095	0.07	22.62	24.20	0.220	Battery 1#	/
Back Side	10mm	26865/831.5	15M QPSK 1RB#0	0.342	0.247	-0.03	23.70	25.20	0.483	Battery 2#	/
Back Side	10mm	26765/821.5	15M QPSK 1RB#74	0.338	0.233	-0.01	23.49	25.20	0.501	Battery 2#	/
Back Side	10mm	26965/841.5	15M QPSK 1RB#74	0.411	0.296	-0.06	23.68	25.20	0.583	Battery 2#	Yes
Back Side	10mm	26965/841.5	15M QPSK 1RB#74	0.146	0.103	-0.13	23.68	25.20	0.207	With Wireless Charging Cover	/
Back Side	10mm	26965/841.5	15M QPSK 1RB#74	0.382	0.264	-0.02	23.68	25.20	0.542	Battery 1#	ELE-L29m
Back Side	10mm	26965/841.5	15M QPSK 1RB#74	0.302	0.218	-0.02	23.68	25.20	0.429	With SIM2	ELE-L29m
Back Side	10mm	26965/841.5	15M QPSK 1RB#74	0.182	0.128	-0.15	23.68	25.20	0.258	With Wireless Charging Cover	ELE-L29m

Table 160: Hotspot SAR test results of LTE Band 26

Per KDB648474D04, when hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Second Antenna										
Front Side	10mm	26965/841.5	15M QPSK 1RB#0	0.163	0.110	0.04	20.66	24.70	0.413	Yes
Back Side	10mm	26965/841.5	15M QPSK 1RB#0	0.205	0.112	-0.09	20.66	24.70	0.520	Yes
Left Side	10mm	26965/841.5	15M QPSK 1RB#0	0.007	0.005	0.09	20.66	24.70	0.018	Yes
Right Side	10mm	26965/841.5	15M QPSK 1RB#0	0.011	0.007	0.13	20.66	24.70	0.028	Yes
Top Side	10mm	26965/841.5	15M QPSK 1RB#0	0.094	0.053	0.12	20.66	24.70	0.239	Yes
Front Side	10mm	26765/821.5	15M QPSK 50%RB#18	0.146	0.099	0.10	20.65	23.70	0.295	Yes
Back Side	10mm	26765/821.5	15M QPSK 50%RB#18	0.185	0.102	-0.07	20.65	23.70	0.373	Yes
Left Side	10mm	26765/821.5	15M QPSK 50%RB#18	0.070	0.047	0.09	20.65	23.70	0.141	Yes
Right Side	10mm	26765/821.5	15M QPSK 50%RB#18	0.010	0.006	0.14	20.65	23.70	0.019	Yes
Top Side	10mm	26765/821.5	15M QPSK 50%RB#18	0.091	0.051	0.11	20.65	23.70	0.184	Yes
Back Side	10mm	26965/841.5	15M QPSK 1RB#0	0.176	0.112	-0.07	20.66	24.70	0.446	Yes
Back Side	10mm	26765/821.5	15M QPSK 1RB#74	0.190	0.121	-0.09	20.63	24.70	0.485	Yes
Back Side	10mm	26865/831.5	15M QPSK 1RB#38	0.190	0.120	-0.02	20.54	24.70	0.495	Yes
Back Side	10mm	26965/841.5	15M QPSK 1RB#0	0.113	0.074	-0.04	20.66	24.70	0.286	Yes
Back Side	10mm	26965/841.5	15M QPSK 1RB#0	0.189	0.104	-0.03	20.66	24.70	0.479	Yes ELE-L29m
Back Side	10mm	26965/841.5	15M QPSK 1RB#0	0.188	0.103	0.02	20.66	24.70	0.477	Yes ELE-L29m
Back Side	10mm	26965/841.5	15M QPSK 1RB#0	0.106	0.071	-0.02	20.66	24.70	0.269	Yes ELE-L29m
Main Antenna										
Front Side	10mm	26865/831.5	15M QPSK 1RB#0	0.209	0.144	0.00	23.70	25.20	0.295	Yes
Back Side	10mm	26865/831.5	15M QPSK 1RB#0	0.337	0.242	-0.02	23.70	25.20	0.476	Yes
Left Side	10mm	26865/831.5	15M QPSK 1RB#0	0.192	0.107	0.19	23.70	25.20	0.271	Yes
Bottom Side	10mm	26865/831.5	15M QPSK 1RB#0	0.203	0.126	-0.01	23.70	25.20	0.287	Yes
Front Side	10mm	26765/821.5	15M QPSK 50%RB#39	0.172	0.119	0.02	22.62	24.20	0.247	Yes
Back Side	10mm	26765/821.5	15M QPSK 50%RB#39	0.247	0.168	-0.02	22.62	24.20	0.355	Yes
Left Side	10mm	26765/821.5	15M QPSK 50%RB#39	0.159	0.088	0.17	22.62	24.20	0.229	Yes
Bottom Side	10mm	26765/821.5	15M QPSK 50%RB#39	0.153	0.095	0.07	22.62	24.20	0.220	Yes
Back Side	10mm	26865/831.5	15M QPSK 1RB#0	0.342	0.247	-0.03	23.70	25.20	0.483	Yes
Back Side	10mm	26765/821.5	15M QPSK 1RB#74	0.338	0.233	-0.01	23.49	25.20	0.501	Yes
Back Side	10mm	26965/841.5	15M QPSK 1RB#74	0.411	0.296	-0.06	23.68	25.20	0.583	Yes
Back Side	10mm	26965/841.5	15M QPSK 1RB#74	0.146	0.103	-0.13	23.68	25.20	0.207	Yes
Back Side	10mm	26965/841.5	15M QPSK 1RB#74	0.382	0.264	-0.02	23.68	25.20	0.542	Yes ELE-L29m
Back Side	10mm	26965/841.5	15M QPSK 1RB#74	0.302	0.218	-0.02	23.68	25.20	0.429	Yes ELE-L29m
Back Side	10mm	26965/841.5	15M QPSK 1RB#74	0.182	0.128	-0.15	23.68	25.20	0.258	Yes ELE-L29m

Table 161: Product Specific 10-g SAR test reduction evaluation of LTE Band 26

Note: According to the table above, Product Specific 10-g SAR test is not required for this frequency band.

7.2.12 SAR measurement Results of LTE Band 38

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Second Antenna										
Left cheek	37850/2580	20M QPSK 1RB#99	0.331	0.144	0.01	17.76	18.13	0.360	Battery 1#	/
Left tilt	37850/2580	20M QPSK 1RB#99	0.261	0.121	0.04	17.76	18.13	0.284	Battery 1#	/
Right cheek	37850/2580	20M QPSK 1RB#99	0.492	0.230	0.07	17.76	18.13	0.535	Battery 1#	/
Right tilt	37850/2580	20M QPSK 1RB#99	0.426	0.214	-0.06	17.76	18.13	0.463	Battery 1#	/
Left cheek	38150/2610	20M QPSK 50%RB#0	0.272	0.121	0.06	17.71	18.13	0.299	Battery 1#	/
Left tilt	38150/2610	20M QPSK 50%RB#0	0.236	0.108	-0.02	17.71	18.13	0.260	Battery 1#	/
Right cheek	38150/2610	20M QPSK 50%RB#0	0.474	0.228	-0.03	17.71	18.13	0.522	Battery 1#	/
Right tilt	38150/2610	20M QPSK 50%RB#0	0.410	0.200	-0.17	17.71	18.13	0.451	Battery 1#	/
Right cheek	37850/2580	20M QPSK 1RB#99	0.689	0.317	0.01	17.76	18.13	0.749	Battery 2#	Yes
Right cheek	38000/2595	20M QPSK 1RB#99	0.485	0.230	0.04	17.68	18.13	0.537	Battery 2#	/
Right cheek	38150/2610	20M QPSK 1RB#99	0.439	0.211	0.08	17.75	18.13	0.479	Battery 2#	/
Right cheek	37850/2580	20M QPSK 1RB#99	0.422	0.206	0.09	17.76	18.13	0.459	With Wireless Charging Cover	/
Right cheek	37850/2580(PCC)	20M QPSK 1RB#99	0.566	0.261	0.08	16.84	18.13	0.762	Battery 2#	/
	38048/2599.8(SCC)	20M QPSK 1RB#0								
Right cheek	37850/2580(PCC)	20M QPSK 1RB#99	0.525	0.249	0.08	16.84	18.13	0.707	Battery 2#	ELE-L29m
	38048/2599.8(SCC)	20M QPSK 1RB#0								
Right cheek	37850/2580(PCC)	20M QPSK 1RB#99	0.476	0.225	0.08	16.84	18.13	0.641	Battery 2#	ELE-L29m
	38048/2599.8(SCC)	20M QPSK 1RB#0								
Right cheek	37850/2580(PCC)	20M QPSK 1RB#99	0.382	0.176	0.08	16.84	18.13	0.514	Battery 2#	ELE-L29m
	38048/2599.8(SCC)	20M QPSK 1RB#0								
Main Antenna										
Left cheek	37850/2580	20M QPSK 1RB#0	0.028	0.013	-0.13	23.44	23.63	0.029	Battery 1#	/
Left tilt	37850/2580	20M QPSK 1RB#0	0.025	0.013	0.14	23.44	23.63	0.026	Battery 1#	/
Right cheek	37850/2580	20M QPSK 1RB#0	0.054	0.029	0.15	23.44	23.63	0.056	Battery 1#	/
Right tilt	37850/2580	20M QPSK 1RB#0	0.014	0.007	-0.04	23.44	23.63	0.015	Battery 1#	/
Left cheek	37850/2580	20M QPSK 50%RB#50	0.017	0.008	0.11	22.33	22.63	0.018	Battery 1#	/
Left tilt	37850/2580	20M QPSK 50%RB#50	0.019	0.009	0.05	22.33	22.63	0.020	Battery 1#	/
Right cheek	37850/2580	20M QPSK 50%RB#50	0.041	0.022	0.19	22.33	22.63	0.044	Battery 1#	/
Right tilt	37850/2580	20M QPSK 50%RB#50	0.012	0.005	0.15	22.33	22.63	0.013	Battery 1#	/
Right cheek	37850/2580	20M QPSK 1RB#0	0.082	0.042	-0.04	23.44	23.63	0.085	Battery 2#	/
Right cheek	38150/2610	20M QPSK 1RB#99	0.067	0.035	0.04	23.33	23.63	0.072	Battery 2#	/
Right cheek	38000/2595	20M QPSK 1RB#99	0.072	0.038	0.13	23.24	23.63	0.078	Battery 2#	/
Right cheek	37850/2580	20M QPSK 1RB#0	0.086	0.044	-0.19	23.44	23.63	0.089	With Wireless Charging Cover	/
Right cheek	37850/2580(PCC)	20M QPSK 1RB#99	0.108	0.056	-0.19	22.24	23.63	0.149	Battery 2#	Yes
	38048/2599.8(SCC)	20M QPSK 1RB#0								

Right cheek	37850/2580(PCC)	20M QPSK 1RB#99	0.113	0.059	-0.15	22.24	23.63	0.156	Battery 2#	Yes ELE-L29m
	38048/2599.8(SCC)	20M QPSK 1RB#0								
Right cheek	37850/2580(PCC)	20M QPSK 1RB#99	0.072	0.037	-0.19	22.24	23.63	0.099	With SIM2	ELE-L29m
	38048/2599.8(SCC)	20M QPSK 1RB#0								
Right cheek	37850/2580(PCC)	20M QPSK 1RB#99	0.072	0.037	-0.19	22.24	23.63	0.099	With Wireless Charging Cover	ELE-L29m
	38048/2599.8(SCC)	20M QPSK 1RB#0								

Table 162: Head SAR test results of LTE Band 38

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	15mm	37850/2580	20M QPSK 1RB#0	0.068	0.036	-0.18	21.83	22.13	0.073	Battery 1#	/
Back Side	15mm	37850/2580	20M QPSK 1RB#0	0.180	0.098	-0.07	21.83	22.13	0.193	Battery 1#	Yes
Front Side	15mm	38000/2595	20M QPSK 50%RB#50	0.043	0.023	-0.08	20.55	21.13	0.049	Battery 1#	/
Back Side	15mm	38000/2595	20M QPSK 50%RB#50	0.122	0.066	-0.04	20.55	21.13	0.139	Battery 1#	/
Back Side	15mm	37850/2580	20M QPSK 1RB#0	0.154	0.084	-0.17	21.83	22.13	0.165	Battery 2#	/
Back Side	15mm	38000/2595	20M QPSK 1RB#0	0.171	0.092	-0.15	21.71	22.13	0.188	Battery 1#	/
Back Side	15mm	38150/2610	20M QPSK 1RB#0	0.149	0.080	-0.09	21.69	22.13	0.165	Battery 1#	/
Back Side	15mm	37850/2580	20M QPSK 1RB#0	0.112	0.061	-0.17	21.83	22.13	0.120	With Wireless Charging Cover	/
Back Side	15mm	37850/2580(PCC)	20M QPSK 1RB#99	0.178	0.097	-0.16	20.70	22.13	0.247	Battery 1#	/
		38048/2599.8(SCC)	20M QPSK 1RB#0								
Back Side	15mm	37850/2580(PCC)	20M QPSK 1RB#99	0.120	0.064	-0.08	20.70	22.13	0.167	Battery 1#	ELE-L29m
		38048/2599.8(SCC)	20M QPSK 1RB#0								
Back Side	15mm	37850/2580(PCC)	20M QPSK 1RB#99	0.130	0.070	-0.05	20.70	22.13	0.181	With SIM2	ELE-L29m
		38048/2599.8(SCC)	20M QPSK 1RB#0								
Back Side	15mm	37850/2580(PCC)	20M QPSK 1RB#99	0.051	0.027	0.00	20.70	22.13	0.071	Wireless Charging Cover	ELE-L29m
		38048/2599.8(SCC)	20M QPSK 1RB#0								
Main Antenna											
Front Side	15mm	37850/2580	20M QPSK 1RB#0	0.069	0.036	0.08	23.44	23.63	0.072	Battery 1#	/
Back Side	15mm	37850/2580	20M QPSK 1RB#0	0.146	0.079	0.09	23.44	23.63	0.152	Battery 1#	/
Front Side	15mm	37850/2580	20M QPSK 50%RB#50	0.049	0.026	0.09	22.33	22.63	0.052	Battery 1#	/
Back Side	15mm	37850/2580	20M QPSK 50%RB#50	0.093	0.051	-0.12	22.33	22.63	0.099	Battery 1#	/
Back Side	15mm	37850/2580	20M QPSK 1RB#0	0.143	0.080	0.09	23.44	23.63	0.149	Battery 2#	/
Back Side	15mm	38150/2610	20M QPSK 1RB#99	0.162	0.089	0.18	23.33	23.63	0.173	Battery 1#	Yes
Back Side	15mm	38000/2595	20M QPSK 1RB#99	0.144	0.080	0.17	23.24	23.63	0.157	Battery 1#	/
Back Side	15mm	38150/2610	20M QPSK 1RB#99	0.120	0.064	-0.14	23.33	23.63	0.128	With Wireless Charging Cover	/
Back Side	15mm	37850/2580(PCC)	20M QPSK 1RB#99	0.133	0.074	-0.02	22.24	23.63	0.183	Battery 1#	/
		38048/2599.8(SCC)	20M QPSK 1RB#0								
Back Side	15mm	37850/2580(PCC)	20M QPSK 1RB#99	0.147	0.082	-0.13	22.24	23.63	0.202	Battery 1#	ELE-L29m
		38048/2599.8(SCC)	20M QPSK 1RB#0								
Back Side	15mm	37850/2580(PCC)	20M QPSK 1RB#99	0.148	0.083	0.12	22.24	23.63	0.204	With SIM2	ELE-L29m
		38048/2599.8(SCC)	20M QPSK 1RB#0								
Back Side Back Side	15mm	37850/2580(PCC)	20M QPSK 1RB#99	0.080	0.043	-0.19	22.24	23.63	0.110	Wireless Charging Cover	ELE-L29m
		38048/2599.8(SCC)	20M QPSK 1RB#0								

Table 163: Body Worn SAR test results of LTE Band 38



Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	10mm	37850/2580	20M QPSK 1RB#99	0.051	0.026	0.13	18.81	19.13	0.054	Battery 1#	/
Back Side	10mm	37850/2580	20M QPSK 1RB#99	0.165	0.083	0.02	18.81	19.13	0.177	Battery 1#	Yes
Left Side	10mm	37850/2580	20M QPSK 1RB#99	0.049	0.021	-0.12	18.81	19.13	0.052	Battery 1#	/
Top Side	10mm	37850/2580	20M QPSK 1RB#99	0.092	0.050	0.01	18.81	19.13	0.099	Battery 1#	/
Front Side	10mm	38150/2610	20M QPSK 50%RB#25	0.048	0.024	0.15	18.76	19.13	0.052	Battery 1#	/
Back Side	10mm	38150/2610	20M QPSK 50%RB#25	0.126	0.063	-0.19	18.76	19.13	0.137	Battery 1#	/
Left Side	10mm	38150/2610	20M QPSK 50%RB#25	0.044	0.018	-0.10	18.76	19.13	0.048	Battery 1#	/
Top Side	10mm	38150/2610	20M QPSK 50%RB#25	0.078	0.040	0.02	18.76	19.13	0.085	Battery 1#	/
Back Side	10mm	37850/2580	20M QPSK 1RB#99	0.159	0.081	0.15	18.81	19.13	0.171	Battery 2#	/
Back Side	10mm	38000/2595	20M QPSK 1RB#50	0.131	0.068	0.10	18.60	19.13	0.148	Battery 1#	/
Back Side	10mm	38150/2610	20M QPSK 1RB#99	0.129	0.065	0.18	18.79	19.13	0.139	Battery 1#	/
Back Side	10mm	37850/2580	20M QPSK 1RB#99	0.111	0.058	-0.04	18.81	19.13	0.119	With Wireless Charging Cover	/
Back Side	10mm	37850/2580(PCC)	20M QPSK 1RB#99	0.144	0.073	-0.07	17.83	19.13	0.194	Battery 1#	/
		38048/2599.8(SCC)	20M QPSK 1RB#0								
Back Side	10mm	37850/2580(PCC)	20M QPSK 1RB#99	0.141	0.072	-0.12	17.83	19.13	0.190	Battery 1#	ELE-L29m
		38048/2599.8(SCC)	20M QPSK 1RB#0								
Back Side	10mm	37850/2580(PCC)	20M QPSK 1RB#99	0.146	0.075	0.11	17.83	19.13	0.197	With SIM2	ELE-L29m
		38048/2599.8(SCC)	20M QPSK 1RB#0								
Back Side	10mm	37850/2580(PCC)	20M QPSK 1RB#99	0.050	0.026	-0.09	17.83	19.13	0.068	Wireless Charging Cover	ELE-L29m
		38048/2599.8(SCC)	20M QPSK 1RB#0								
Main Antenna											
Front Side	10mm	38150/2610	20M QPSK 1RB#99	0.105	0.054	0.01	22.43	22.63	0.110	Battery 1#	/
Back Side	10mm	38150/2610	20M QPSK 1RB#99	0.253	0.134	-0.04	22.43	22.63	0.265	Battery 1#	/
Right Side	10mm	38150/2610	20M QPSK 1RB#99	0.049	0.025	0.01	22.43	22.63	0.051	Battery 1#	/
Bottom Side	10mm	38150/2610	20M QPSK 1RB#99	0.409	0.207	-0.08	22.43	22.63	0.428	Battery 1#	/
Front Side	10mm	38150/2610	20M QPSK 50%RB#50	0.098	0.050	0.06	22.35	22.63	0.105	Battery 1#	/
Back Side	10mm	38150/2610	20M QPSK 50%RB#50	0.239	0.126	-0.09	22.35	22.63	0.255	Battery 1#	/
Right Side	10mm	38150/2610	20M QPSK 50%RB#50	0.046	0.024	0.10	22.35	22.63	0.049	Battery 1#	/
Bottom Side	10mm	38150/2610	20M QPSK 50%RB#50	0.427	0.213	-0.06	22.35	22.63	0.455	Battery 1#	Yes
Bottom Side	10mm	38150/2610	20M QPSK 50%RB#50	0.383	0.193	-0.05	22.35	22.63	0.408	Battery 2#	/
Bottom Side	10mm	37850/2580	20M QPSK 50%RB#50	0.355	0.180	-0.09	22.17	22.63	0.394	Battery 1#	/
Bottom Side	10mm	38000/2595	20M QPSK 50%RB#50	0.335	0.164	-0.09	22.29	22.63	0.362	Battery 1#	/
Bottom Side	10mm	38150/2610	20M QPSK 50%RB#50	0.197	0.098	-0.06	22.35	22.63	0.210	With Wireless Charging Cover	/
Bottom Side	10mm	37850/2580(PCC)	20M QPSK 1RB#99	0.331	0.172	-0.08	21.30	22.63	0.450	Battery 1#	/
		38048/2599.8(SCC)	20M QPSK 1RB#0								
Bottom Side	10mm	38150/2610	20M QPSK 50%RB#50	0.317	0.160	0.09	22.35	22.63	0.338	Battery 1#	ELE-L29m

Bottom Side	10mm	38150/2610	20M QPSK 50%RB#50	0.298	0.152	0.17	22.35	22.63	0.317	With SIM2	ELE-L29m
Bottom Side	10mm	38150/2610	20M QPSK 50%RB#50	0.169	0.090	-0.04	22.35	22.63	0.180	Wireless Charging Cover	ELE-L29m

Table 164: Hotspot SAR test results of LTE Band 38

Per KDB648474D04, when hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Second Antenna										
Front Side	10mm	37850/2580	20M QPSK 1RB#99	0.051	0.026	0.13	18.81	22.13	0.109	Yes
Back Side	10mm	37850/2580	20M QPSK 1RB#99	0.165	0.083	0.02	18.81	22.13	0.354	Yes
Left Side	10mm	37850/2580	20M QPSK 1RB#99	0.049	0.021	-0.12	18.81	22.13	0.104	Yes
Top Side	10mm	37850/2580	20M QPSK 1RB#99	0.092	0.050	0.01	18.81	22.13	0.198	Yes
Front Side	10mm	38150/2610	20M QPSK 50%RB#25	0.048	0.024	0.15	18.76	21.13	0.082	Yes
Back Side	10mm	38150/2610	20M QPSK 50%RB#25	0.126	0.063	-0.19	18.76	21.13	0.217	Yes
Left Side	10mm	38150/2610	20M QPSK 50%RB#25	0.044	0.018	-0.10	18.76	21.13	0.076	Yes
Top Side	10mm	38150/2610	20M QPSK 50%RB#25	0.078	0.040	0.02	18.76	21.13	0.135	Yes
Back Side	10mm	37850/2580	20M QPSK 1RB#99	0.159	0.081	0.15	18.81	22.13	0.341	Yes
Back Side	10mm	38000/2595	20M QPSK 1RB#50	0.131	0.068	0.10	18.60	22.13	0.295	Yes
Back Side	10mm	38150/2610	20M QPSK 1RB#99	0.129	0.065	0.18	18.79	22.13	0.278	Yes
Back Side	10mm	37850/2580	20M QPSK 1RB#99	0.111	0.058	-0.04	18.81	22.13	0.238	Yes
Back Side	10mm	37850/2580(PCC)	20M QPSK 1RB#99	0.144	0.073	-0.07	17.83	19.13	0.194	Yes
		38048/2599.8(SCC)	20M QPSK 1RB#0							
Back Side	10mm	37850/2580(PCC)	20M QPSK 1RB#99	0.141	0.072	-0.12	17.83	19.13	0.190	Yes ELE-L29m
		38048/2599.8(SCC)	20M QPSK 1RB#0							
Back Side	10mm	37850/2580(PCC)	20M QPSK 1RB#99	0.146	0.075	0.11	17.83	19.13	0.197	Yes ELE-L29m
		38048/2599.8(SCC)	20M QPSK 1RB#0							
Back Side	10mm	37850/2580(PCC)	20M QPSK 1RB#99	0.050	0.026	-0.09	17.83	19.13	0.068	Yes ELE-L29m
		38048/2599.8(SCC)	20M QPSK 1RB#0							
Main Antenna										
Front Side	10mm	38150/2610	20M QPSK 1RB#99	0.105	0.054	0.01	22.43	23.63	0.138	Yes
Back Side	10mm	38150/2610	20M QPSK 1RB#99	0.253	0.134	-0.04	22.43	23.63	0.334	Yes
Right Side	10mm	38150/2610	20M QPSK 1RB#99	0.049	0.025	0.01	22.43	23.63	0.065	Yes
Bottom Side	10mm	38150/2610	20M QPSK 1RB#99	0.409	0.207	-0.08	22.43	23.63	0.539	Yes
Front Side	10mm	38150/2610	20M QPSK 50%RB#50	0.098	0.050	0.06	22.35	22.63	0.105	Yes
Back Side	10mm	38150/2610	20M QPSK 50%RB#50	0.239	0.126	-0.09	22.35	22.63	0.255	Yes
Right Side	10mm	38150/2610	20M QPSK 50%RB#50	0.046	0.024	0.10	22.35	22.63	0.049	Yes
Bottom Side	10mm	38150/2610	20M QPSK 50%RB#50	0.427	0.213	-0.06	22.35	22.63	0.455	Yes
Bottom Side	10mm	38150/2610	20M QPSK 50%RB#50	0.383	0.193	-0.05	22.35	22.63	0.408	Yes
Bottom Side	10mm	37850/2580	20M QPSK 50%RB#50	0.355	0.180	-0.09	22.17	22.63	0.394	Yes
Bottom Side	10mm	38000/2595	20M QPSK 50%RB#50	0.335	0.164	-0.09	22.29	22.63	0.362	Yes

Bottom Side	10mm	38150/2610	20M QPSK 50%RB#50	0.197	0.098	-0.06	22.35	22.63	0.210	Yes
Bottom Side	10mm	37850/2580(PCC)	20M QPSK 1RB#99	0.331	0.172	-0.08	21.30	22.63	0.450	Yes
		38048/2599.8(SCC)	20M QPSK 1RB#0							
Bottom Side	10mm	38150/2610	20M QPSK 50%RB#50	0.317	0.160	0.09	22.35	22.63	0.338	Yes ELE-L29m
Bottom Side	10mm	38150/2610	20M QPSK 50%RB#50	0.298	0.152	0.17	22.35	22.63	0.317	Yes ELE-L29m
Bottom Side	10mm	38150/2610	20M QPSK 50%RB#50	0.169	0.090	-0.04	22.35	22.63	0.180	Yes ELE-L29m

Table 165: Product Specific 10-g SAR test reduction evaluation of LTE Band 38

Note: According to the table above, Product Specific 10-g SAR test is not required for this frequency band.

7.2.13 SAR measurement Results of LTE Band 41

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g				Result(W/kg)		
Second Antenna										
Left cheek	40140/2545	20M QPSK 1RB#0	0.356	0.153	0.00	17.73	18.33	0.408	Battery 1#	/
Left tilt	40140/2545	20M QPSK 1RB#0	0.273	0.121	-0.05	17.73	18.33	0.313	Battery 1#	/
Right cheek	40140/2545	20M QPSK 1RB#0	0.505	0.242	-0.15	17.73	18.33	0.579	Battery 1#	Yes
Right tilt	40140/2545	20M QPSK 1RB#0	0.414	0.191	-0.10	17.73	18.33	0.475	Battery 1#	/
Left cheek	41140/2645	20M QPSK 50%RB#25	0.214	0.093	0.06	17.69	18.33	0.248	Battery 1#	/
Left tilt	41140/2645	20M QPSK 50%RB#25	0.227	0.096	0.07	17.69	18.33	0.263	Battery 1#	/
Right cheek	41140/2645	20M QPSK 50%RB#25	0.349	0.164	-0.04	17.69	18.33	0.404	Battery 1#	/
Right tilt	41140/2645	20M QPSK 50%RB#25	0.309	0.149	0.03	17.69	18.33	0.358	Battery 1#	/
Right cheek	40140/2545	20M QPSK 1RB#0	0.437	0.202	0.04	17.73	18.33	0.501	Battery 2#	/
Right cheek	40473/2578.3	20M QPSK 1RB#0	0.398	0.184	0.01	17.73	18.33	0.456	Battery 1#	/
Right cheek	40807/2611.7	20M QPSK 1RB#0	0.311	0.145	0.01	17.61	18.33	0.367	Battery 1#	/
Right cheek	41140/2645	20M QPSK 1RB#0	0.322	0.147	-0.02	17.68	18.33	0.374	Battery 1#	/
Right cheek	40140/2545	20M QPSK 1RB#0	0.394	0.196	-0.07	17.73	18.33	0.452	With Wireless Charging Cover	/
Right cheek	40140/2545(PCC)	20M QPSK 1RB#99	0.429	0.196	-0.18	17.15	18.33	0.563	Battery 1#	/
	40338/2564.8(SCC)	20M QPSK 1RB#0								
Right cheek	40140/2545	20M QPSK 1RB#0	0.322	0.144	-0.13	17.73	18.33	0.369	Battery 1#	ELE-L29m
Right cheek	40140/2545	20M QPSK 1RB#0	0.248	0.112	-0.15	17.73	18.33	0.284	With SIM2	ELE-L29m
Right cheek	40140/2545	20M QPSK 1RB#0	0.372	0.182	0.02	17.73	18.33	0.427	With Wireless Charging Cover	ELE-L29m
Main Antenna										
Left cheek	41140/2645	20M QPSK 1RB#0	0.033	0.018	-0.11	22.75	23.83	0.042	Battery 1#	/
Left tilt	41140/2645	20M QPSK 1RB#0	0.023	0.011	0.15	22.75	23.83	0.029	Battery 1#	/
Right cheek	41140/2645	20M QPSK 1RB#0	0.043	0.023	0.16	22.75	23.83	0.056	Battery 1#	/
Right tilt	41140/2645	20M QPSK 1RB#0	0.012	0.006	0.10	22.75	23.83	0.016	Battery 1#	/
Left cheek	40140/2545	20M QPSK 50%RB#0	0.026	0.014	0.18	21.67	22.83	0.034	Battery 1#	/
Left tilt	40140/2545	20M QPSK 50%RB#0	0.016	0.008	0.13	21.67	22.83	0.021	Battery 1#	/
Right cheek	40140/2545	20M QPSK 50%RB#0	0.039	0.021	0.18	21.67	22.83	0.051	Battery 1#	/
Right tilt	40140/2545	20M QPSK 50%RB#0	0.008	0.004	0.16	21.67	22.83	0.010	Battery 1#	/
Right cheek	41140/2645	20M QPSK 1RB#0	0.046	0.024	0.14	22.75	23.83	0.059	Battery 2#	/
Right cheek	40140/2545	20M QPSK 1RB#0	0.066	0.035	0.09	22.61	23.83	0.087	Battery 2#	Yes
Right cheek	40473/2578.3	20M QPSK 1RB#0	0.048	0.026	0.02	22.64	23.83	0.063	Battery 2#	/
Right cheek	40807/2611.7	20M QPSK 1RB#0	0.043	0.023	0.17	22.69	23.83	0.056	Battery 2#	/
Right cheek	40140/2545	20M QPSK 1RB#0	0.038	0.020	0.19	22.61	23.83	0.050	With Wireless Charging Cover	/
	40140/2545(PCC)	20M QPSK 1RB#99	0.051	0.027	0.10	22.36	23.83	0.071	Battery 1#	/

Right cheek	40338/2564.8(SCC)	20M QPSK 1RB#0								
Right cheek	40140/2545	20M QPSK 1RB#0	0.048	0.026	0.04	22.61	23.83	0.064	Battery 2#	ELE-L29m
Right cheek	40140/2545	20M QPSK 1RB#0	0.043	0.022	0.15	22.61	23.83	0.056	With SIM2	ELE-L29m
Right cheek	40140/2545	20M QPSK 1RB#0	0.033	0.018	-0.17	22.61	23.83	0.044	With Wireless Charging Cover	ELE-L29m

Table 166: Head SAR test results of LTE Band 41

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	15mm	41140/2645	20M QPSK 1RB#0	0.063	0.032	-0.07	21.78	22.33	0.071	Battery 1#	/
Back Side	15mm	41140/2645	20M QPSK 1RB#0	0.195	0.099	-0.18	21.78	22.33	0.221	Battery 1#	/
Front Side	15mm	40807/2611.7	20M QPSK 50%RB#50	0.027	0.015	-0.08	20.59	21.33	0.032	Battery 1#	/
Back Side	15mm	40807/2611.7	20M QPSK 50%RB#50	0.136	0.068	-0.17	20.59	21.33	0.161	Battery 1#	/
Back Side	15mm	41140/2645	20M QPSK 1RB#0	0.102	0.049	-0.14	21.78	22.33	0.116	Battery 2#	/
Back Side	15mm	40140/2545	20M QPSK 1RB#0	0.176	0.090	-0.08	21.54	22.33	0.211	Battery 1#	/
Back Side	15mm	40473/2578.3	20M QPSK 1RB#99	0.201	0.102	-0.13	21.68	22.33	0.233	Battery 1#	Yes
Back Side	15mm	40807/2611.7	20M QPSK 1RB#99	0.191	0.097	-0.18	21.66	22.33	0.223	Battery 1#	/
Back Side	15mm	40473/2578.3	20M QPSK 1RB#99	0.117	0.062	-0.17	21.68	22.33	0.136	With Wireless Charging Cover	/
Back Side	15mm	40140/2545(PCC)	20M QPSK 1RB#99	0.163	0.082	-0.11	21.12	22.33	0.215	Battery 1#	/
		40338/2564.8(SCC)	20M QPSK 1RB#0								
Back Side	15mm	40473/2578.3	20M QPSK 1RB#99	0.173	0.088	-0.19	21.68	22.33	0.201	Battery 1#	ELE-L29m
Back Side	15mm	40473/2578.3	20M QPSK 1RB#99	0.165	0.084	-0.12	21.68	22.33	0.191	With SIM2	ELE-L29m
Back Side	15mm	40473/2578.3	20M QPSK 1RB#99	0.129	0.065	-0.16	21.68	22.33	0.150	With Wireless Charging Cover	ELE-L29m
Main Antenna											
Front Side	15mm	41140/2645	20M QPSK 1RB#0	0.043	0.023	0.16	22.75	23.83	0.055	Battery 1#	/
Back Side	15mm	41140/2645	20M QPSK 1RB#0	0.175	0.091	-0.06	22.75	23.83	0.224	Battery 1#	Yes
Front Side	15mm	40140/2545	20M QPSK 50%RB#0	0.043	0.023	-0.12	21.67	22.83	0.056	Battery 1#	/
Back Side	15mm	40140/2545	20M QPSK 50%RB#0	0.132	0.071	-0.14	21.67	22.83	0.172	Battery 1#	/
Back Side	15mm	41140/2645	20M QPSK 1RB#0	0.137	0.070	-0.02	22.75	23.83	0.175	Battery 2#	/
Back Side	15mm	40140/2545	20M QPSK 1RB#0	0.164	0.086	-0.19	22.61	23.83	0.217	Battery 1#	/
Back Side	15mm	40473/2578.3	20M QPSK 1RB#0	0.148	0.078	0.10	22.64	23.83	0.194	Battery 1#	/
Back Side	15mm	40807/2611.7	20M QPSK 1RB#0	0.142	0.074	-0.03	22.69	23.83	0.184	Battery 1#	/
Back Side	15mm	41140/2645	20M QPSK 1RB#0	0.129	0.067	0.07	22.75	23.83	0.165	With Wireless Charging Cover	/
Back Side	15mm	40140/2545(PCC)	20M QPSK 1RB#99	0.163	0.086	0.09	22.36	23.83	0.229	Battery 1#	/
		40338/2564.8(SCC)	20M QPSK 1RB#0								
Back Side	15mm	41140/2645	20M QPSK 1RB#0	0.161	0.084	0.00	22.75	23.83	0.206	Battery 1#	ELE-L29m
Back Side	15mm	41140/2645	20M QPSK 1RB#0	0.136	0.070	0.01	22.75	23.83	0.174	With SIM2	ELE-L29m
Back Side	15mm	41140/2645	20M QPSK 1RB#0	0.106	0.055	-0.09	22.75	23.83	0.136	With Wireless Charging Cover	ELE-L29m

Table 167: Body Worn SAR test results of LTE Band 41

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Second Antenna											
Front Side	10mm	41140/2645	20M QPSK 1RB#0	0.038	0.020	0.06	18.91	19.33	0.042	Battery 1#	/
Back Side	10mm	41140/2645	20M QPSK 1RB#0	0.163	0.076	-0.14	18.91	19.33	0.179	Battery 1#	/
Left Side	10mm	41140/2645	20M QPSK 1RB#0	0.039	0.015	0.12	18.91	19.33	0.043	Battery 1#	/
Top Side	10mm	41140/2645	20M QPSK 1RB#0	0.060	0.030	0.16	18.91	19.33	0.066	Battery 1#	/
Front Side	10mm	40473/2578.3	20M QPSK 50%RB#50	0.043	0.022	-0.05	18.73	19.33	0.049	Battery 1#	/
Back Side	10mm	40473/2578.3	20M QPSK 50%RB#50	0.179	0.087	-0.15	18.73	19.33	0.205	Battery 1#	/
Left Side	10mm	40473/2578.3	20M QPSK 50%RB#50	0.035	0.014	-0.19	18.73	19.33	0.040	Battery 1#	/
Top Side	10mm	40473/2578.3	20M QPSK 50%RB#50	0.069	0.036	0.09	18.73	19.33	0.079	Battery 1#	/
Back Side	10mm	40473/2578.3	20M QPSK 50%RB#50	0.182	0.087	0.03	18.73	19.33	0.209	Battery 2#	Yes
Back Side	10mm	40140/2545	20M QPSK 50%RB#50	0.177	0.086	0.00	18.54	19.33	0.212	Battery 2#	/
Back Side	10mm	40807/2611.7	20M QPSK 50%RB#50	0.166	0.079	-0.14	18.72	19.33	0.191	Battery 2#	/
Back Side	10mm	41140/2645	20M QPSK 50%RB#50	0.141	0.066	-0.12	18.48	19.33	0.171	Battery 2#	/
Back Side	10mm	40140/2545	20M QPSK 50%RB#50	0.110	0.055	0.13	18.54	19.33	0.132	With Wireless Charging Cover	/
Back Side	10mm	40140/2545(PCC)	20M QPSK 1RB#99	0.140	0.070	0.07	17.91	19.33	0.194	Battery 2#	/
		40338/2564.8(SCC)	20M QPSK 1RB#0								
Back Side	10mm	40140/2545	20M QPSK 50%RB#50	0.153	0.074	0.11	18.54	19.33	0.183	Battery 1#	ELE-L29m
Back Side	10mm	40140/2545	20M QPSK 50%RB#50	0.155	0.075	-0.06	18.54	19.33	0.186	With SIM2	ELE-L29m
Back Side	10mm	40140/2545	20M QPSK 50%RB#50	0.086	0.039	-0.14	18.54	19.33	0.102	With Wireless Charging Cover	ELE-L29m
Main Antenna											
Front Side	10mm	41140/2645	20M QPSK 1RB#99	0.088	0.046	-0.12	21.91	22.83	0.109	Battery 1#	/
Back Side	10mm	41140/2645	20M QPSK 1RB#99	0.200	0.102	0.08	21.91	22.83	0.247	Battery 1#	/
Right Side	10mm	41140/2645	20M QPSK 1RB#99	0.032	0.017	-0.15	21.91	22.83	0.040	Battery 1#	/
Bottom Side	10mm	41140/2645	20M QPSK 1RB#99	0.371	0.173	0.14	21.91	22.83	0.458	Battery 1#	/
Front Side	10mm	40807/2611.7	20M QPSK 50%RB#0	0.088	0.045	-0.07	21.94	22.83	0.108	Battery 1#	/
Back Side	10mm	40807/2611.7	20M QPSK 50%RB#0	0.235	0.118	-0.15	21.94	22.83	0.288	Battery 1#	/
Right Side	10mm	40807/2611.7	20M QPSK 50%RB#0	0.039	0.020	-0.14	21.94	22.83	0.048	Battery 1#	/
Bottom Side	10mm	40807/2611.7	20M QPSK 50%RB#0	0.431	0.170	0.19	21.94	22.83	0.528	Battery 1#	Yes
Bottom Side	10mm	40807/2611.7	20M QPSK 50%RB#0	0.399	0.188	0.19	21.94	22.83	0.489	Battery 2#	/
Bottom Side	10mm	40140/2545	20M QPSK 50%RB#0	0.362	0.175	0.15	21.68	22.83	0.471	Battery 1#	/
Bottom Side	10mm	40473/2578.3	20M QPSK 50%RB#0	0.378	0.180	0.16	21.76	22.83	0.483	Battery 1#	/
Bottom Side	10mm	41140/2645	20M QPSK 50%RB#50	0.425	0.198	0.19	21.79	22.83	0.539	Battery 1#	/
Bottom Side	10mm	41140/2645	20M QPSK 50%RB#50	0.233	0.113	0.06	21.79	22.83	0.296	With Wireless Charging Cover	/
Bottom Side	10mm	40140/2545(PCC)	20M QPSK 1RB#99	0.304	0.148	0.09	21.20	22.83	0.442	Battery 1#	/
		40338/2564.8(SCC)	20M QPSK 1RB#0								
Bottom Side	10mm	41140/2645	20M QPSK 50%RB#50	0.413	0.193	0.13	21.79	22.83	0.524	Battery 2#	ELE-L29m
Bottom Side	10mm	41140/2645	20M QPSK 50%RB#50	0.392	0.186	-0.05	21.79	22.83	0.497	With SIM2	ELE-L29m
Bottom Side	10mm	41140/2645	20M QPSK 50%RB#50	0.171	0.086	-0.01	21.79	22.83	0.217	With Wireless Charging Cover	ELE-L29m

Table 168: Hotspot SAR test results of LTE Band 41

Per KDB648474D04, when hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Second Antenna										
Front Side	10mm	41140/2645	20M QPSK 1RB#0	0.038	0.020	0.06	18.91	22.33	0.083	Yes
Back Side	10mm	41140/2645	20M QPSK 1RB#0	0.163	0.076	-0.14	18.91	22.33	0.358	Yes
Left Side	10mm	41140/2645	20M QPSK 1RB#0	0.039	0.015	0.12	18.91	22.33	0.086	Yes
Top Side	10mm	41140/2645	20M QPSK 1RB#0	0.060	0.030	0.16	18.91	22.33	0.132	Yes
Front Side	10mm	40473/2578.3	20M QPSK 50%RB#50	0.043	0.022	-0.05	18.73	21.33	0.078	Yes
Back Side	10mm	40473/2578.3	20M QPSK 50%RB#50	0.179	0.087	-0.15	18.73	21.33	0.326	Yes
Left Side	10mm	40473/2578.3	20M QPSK 50%RB#50	0.035	0.014	-0.19	18.73	21.33	0.064	Yes
Top Side	10mm	40473/2578.3	20M QPSK 50%RB#50	0.069	0.036	0.09	18.73	21.33	0.126	Yes
Back Side	10mm	40473/2578.3	20M QPSK 50%RB#50	0.182	0.087	0.03	18.73	21.33	0.331	Yes
Back Side	10mm	40140/2545	20M QPSK 50%RB#50	0.177	0.086	0.00	18.54	21.33	0.336	Yes
Back Side	10mm	40807/2611.7	20M QPSK 50%RB#50	0.166	0.079	-0.14	18.72	21.33	0.303	Yes
Back Side	10mm	41140/2645	20M QPSK 50%RB#50	0.141	0.066	-0.12	18.48	21.33	0.272	Yes
Back Side	10mm	40140/2545	20M QPSK 50%RB#50	0.110	0.055	0.13	18.54	21.33	0.209	Yes
Back Side	10mm	40140/2545(PCC)	20M QPSK 1RB#99	0.140	0.070	0.07	17.91	19.33	0.194	Yes
		40338/2564.8(SCC)	20M QPSK 1RB#0							
Back Side	10mm	40140/2545	20M QPSK 50%RB#50	0.153	0.074	0.11	18.54	21.33	0.291	Yes
Back Side	10mm	40140/2545	20M QPSK 50%RB#50	0.155	0.075	-0.06	18.54	21.33	0.295	Yes
Back Side	10mm	40140/2545	20M QPSK 50%RB#50	0.086	0.039	-0.14	18.54	21.33	0.163	Yes
Main Antenna										
Front Side	10mm	41140/2645	20M QPSK 1RB#99	0.088	0.046	-0.12	21.91	23.83	0.138	Yes
Back Side	10mm	41140/2645	20M QPSK 1RB#99	0.200	0.102	0.08	21.91	23.83	0.311	Yes
Right Side	10mm	41140/2645	20M QPSK 1RB#99	0.032	0.017	-0.15	21.91	23.83	0.050	Yes
Bottom Side	10mm	41140/2645	20M QPSK 1RB#99	0.371	0.173	0.14	21.91	23.83	0.577	Yes
Front Side	10mm	40807/2611.7	20M QPSK 50%RB#0	0.088	0.045	-0.07	21.94	22.83	0.108	Yes
Back Side	10mm	40807/2611.7	20M QPSK 50%RB#0	0.235	0.118	-0.15	21.94	22.83	0.288	Yes
Right Side	10mm	40807/2611.7	20M QPSK 50%RB#0	0.039	0.020	-0.14	21.94	22.83	0.048	Yes
Bottom Side	10mm	40807/2611.7	20M QPSK 50%RB#0	0.431	0.170	0.19	21.94	22.83	0.528	Yes
Bottom Side	10mm	40807/2611.7	20M QPSK 50%RB#0	0.399	0.188	0.19	21.94	22.83	0.489	Yes
Bottom Side	10mm	40140/2545	20M QPSK 50%RB#0	0.362	0.175	0.15	21.68	22.83	0.471	Yes
Bottom Side	10mm	40473/2578.3	20M QPSK 50%RB#0	0.378	0.180	0.16	21.76	22.83	0.483	Yes
Bottom Side	10mm	41140/2645	20M QPSK 50%RB#50	0.425	0.198	0.19	21.79	22.83	0.539	Yes
Bottom Side	10mm	41140/2645	20M QPSK 50%RB#50	0.233	0.113	0.06	21.79	22.83	0.296	Yes
Bottom Side	10mm	40140/2545(PCC)	20M QPSK 1RB#99	0.304	0.148	0.09	21.20	22.83	0.442	Yes
		40338/2564.8(SCC)	20M QPSK 1RB#0							
Bottom Side	10mm	41140/2645	20M QPSK 50%RB#50	0.413	0.193	0.13	21.79	22.83	0.524	Yes
Bottom Side	10mm	41140/2645	20M QPSK 50%RB#50	0.392	0.186	-0.05	21.79	22.83	0.497	Yes
Bottom Side	10mm	41140/2645	20M QPSK 50%RB#50	0.171	0.086	-0.01	21.79	22.83	0.217	Yes

Table 169: Product Specific 10-g SAR test reduction evaluation of LTE Band 41

Note: According to the table above, Product Specific 10-g SAR test is not required for this frequency band.

7.2.14 SAR measurement Results of WiFi 2.4G

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g								
Ant5(Core0)													
Left cheek	6/2437	802.11b	0.157	0.158	0.070	-0.02	99%	0.160	10.51	11.00	0.179	Battery 1#	/
Left tilt	6/2437	802.11b	0.185	0.223	0.089	0.02	99%	0.225	10.51	11.00	0.252	Battery 1#	/
Right cheek	6/2437	802.11b	0.055	/	/	0.00	99%	/	10.51	11.00	/	Battery 1#	/
Right tilt	6/2437	802.11b	0.069	/	/	-0.04	99%	/	10.51	11.00	/	Battery 1#	/
Left tilt	6/2437	802.11b	0.140	0.121	0.057	-0.01	99%	0.122	10.51	11.00	0.137	Battery 2#	/
Left tilt	1/2412	802.11b	0.197	0.178	0.074	0.04	99%	0.180	10.23	11.00	0.215	Battery 1#	/
Left tilt	11/2462	802.11b	0.241	0.282	0.119	0.01	99%	0.285	10.50	11.00	0.320	Battery 1#	Yes
Left tilt	11/2462	802.11b	0.210	0.198	0.091	-0.09	99%	0.200	10.50	11.00	0.224	With Wireless Charging Cover	/
Left tilt	11/2462	802.11b	0.200	0.206	0.086	-0.02	99%	0.208	10.50	11.00	0.233	Battery 1#	ELE-L29m
Left tilt	11/2462	802.11b	0.195	0.243	0.097	0.07	99%	0.245	10.50	11.00	0.275	With Wireless Charging Cover	ELE-L29m
Ant6(Core1)													
Left cheek	6/2437	802.11b	0.000	/	/	0.08	99%	/	10.56	11.00	/	Battery 1#	/
Left tilt	6/2437	802.11b	0.003	/	/	-0.12	99%	/	10.56	11.00	/	Battery 1#	/
Right cheek	6/2437	802.11b	0.021	0.010	0.002	0.15	99%	0.010	10.56	11.00	0.011	Battery 1#	/
Right tilt	6/2437	802.11b	0.012	/	/	-0.07	99%	/	10.56	11.00	/	Battery 1#	/
Right cheek	6/2437	802.11b	0.015	0.014	0.004	-0.11	99%	0.014	10.56	11.00	0.016	Battery 2#	/
Right cheek	1/2412	802.11b	0.028	0.022	0.008	0.01	99%	0.022	10.49	11.00	0.024	Battery 1#	Yes
Right cheek	11/2462	802.11b	0.022	0.006	0.002	-0.10	99%	0.006	10.55	11.00	0.006	Battery 1#	/
Right cheek	1/2412	802.11b	0.016	0.016	0.004	0.00	99%	0.016	10.49	11.00	0.019	With Wireless Charging Cover	/
Right cheek	1/2412	802.11b	0.017	0.016	0.051	0.00	99%	0.016	10.49	11.00	0.019	Battery 1#	ELE-L29m
Right cheek	1/2412	802.11b	0.008	0.006	0.002	0.00	99%	0.006	10.49	11.00	0.007	With Wireless Charging Cover	ELE-L29m

Table 170: Head SAR test results of WiFi 2.4G SISO

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g								
Ant5(Core0)													
Left cheek	6/2437	802.11n(40M)	0.205	0.187	0.086	0.08	97%	0.193	10.20	11.00	0.232	Battery 1#	/
Left tilt	6/2437	802.11n(40M)	0.207	0.206	0.086	-0.04	97%	0.212	10.20	11.00	0.255	Battery 1#	/
Right cheek	6/2437	802.11n(40M)	0.076	/	/	0.16	97%	/	10.20	11.00	/	Battery 1#	/
Right tilt	6/2437	802.11n(40M)	0.099	0.118	0.057	-0.09	97%	0.122	10.20	11.00	0.146	Battery 1#	/
Left tilt	6/2437	802.11n(40M)	0.234	0.243	0.099	-0.02	97%	0.251	10.20	11.00	0.301	Battery 2#	/
Left tilt	4/2427	802.11n(40M)	0.180	0.219	0.086	0.04	97%	0.226	10.19	11.00	0.272	Battery 2#	/
Left tilt	5/2432	802.11n(40M)	0.181	0.220	0.087	0.04	97%	0.227	10.18	11.00	0.274	Battery 2#	/
Left tilt	6/2437	802.11n(40M)	0.181	0.221	0.087	-0.04	97%	0.228	10.20	11.00	0.274	With Wireless Charging Cover	/
Left tilt	6/2437	802.11n(40M)	0.172	0.174	0.072	-0.11	97%	0.179	10.20	11.00	0.216	Battery 2#	ELE-L29m
Left tilt	6/2437	802.11n(40M)	0.213	0.238	0.102	0.02	97%	0.245	10.20	11.00	0.295	With Wireless Charging Cover	ELE-L29m
Ant6(Core1)													
Left cheek	6/2437	802.11n(40M)	0.002	/	/	0.18	97%	/	10.25	11.00	/	Battery 1#	/
Left tilt	6/2437	802.11n(40M)	0.001	/	/	-0.13	97%	/	10.25	11.00	/	Battery 1#	/
Right cheek	6/2437	802.11n(40M)	0.020	0.017	0.006	0.11	97%	0.017	10.25	11.00	0.021	Battery 1#	/
Right tilt	6/2437	802.11n(40M)	0.020	0.011	0.004	-0.10	97%	0.012	10.25	11.00	0.014	Battery 1#	/
Right cheek	6/2437	802.11n(40M)	0.018	0.007	0.002	-0.09	97%	0.008	10.25	11.00	0.009	Battery 2#	/
Right cheek	4/2427	802.11n(40M)	0.016	0.014	0.005	0.00	97%	0.015	10.19	11.00	0.018	Battery 1#	/
Right cheek	5/2432	802.11n(40M)	0.018	0.014	0.005	0.00	97%	0.015	10.15	11.00	0.018	Battery 1#	/
Right cheek	6/2437	802.11n(40M)	0.014	0.008	0.002	0.00	97%	0.008	10.25	11.00	0.010	With Wireless Charging Cover	/
Right cheek	6/2437	802.11n(40M)	0.012	0.010	0.002	0.00	97%	0.011	10.25	11.00	0.013	Battery 1#	ELE-L29m
Right cheek	6/2437	802.11n(40M)	0.012	0.010	0.003	0.00	97%	0.011	10.25	11.00	0.013	With Wireless Charging Cover	ELE-L29m

Table 171: Head SAR test results of WiFi 2.4G MIMO

Note:

- 1) Per KDB248227D01, for Head SAR test of WiFi 2.4G CDD/MIMO, SAR is measured for 2.4 GHz OFDM 802.11n(40M) using the initial test position procedure. The highest reported SAR for OFDM 802.11n(40M) is adjusted by the ratio of OFDM 802.11g and OFDM 802.11n(20M) to OFDM 802.11n(40M) specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for 802.11g and 802.11n(20M) is not required.
- 2) As different maximum tune-up output power is specified across the different channels range, WIFI 2.4G CDD/MIMO SAR test is performed on 4CH/5CH/6CH according to the max tune-up power to ensure compliance.

Test Position of Head	Dist.	Test Mode	WiFi 2.4G CDD/MIMO 1-g SAR (W/kg)		
			Ant 5(Core 0)	Ant 6(Core 1)	CDD/MIMO (Ant 5(Core 0)+ Ant 6(Core 1))
Left cheek	/	802.11n(40M)	0.232	0.021	0.253
Left tilt	/	802.11n(40M)	0.301	0.021	0.322
Right cheek	/	802.11n(40M)	0.301	0.021	0.322
Right tilt	/	802.11n(40M)	0.146	0.014	0.160

Table 172: Head SAR test results of WiFi 2.4G CDD/MIMO calculation

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
					1-g	10-g								
Ant5(Core0)														
Front Side	15mm	6/2437	802.11b	0.061	/	/	-0.17	99%	/	18.19	19.00	/	Battery 1#	/
Back Side	15mm	6/2437	802.11b	0.070	0.073	0.044	-0.19	99%	0.073	18.19	19.00	0.088	Battery 1#	/
Back Side	15mm	6/2437	802.11b	0.075	0.077	0.047	-0.19	99%	0.078	18.19	19.00	0.094	Battery 2#	/
Back Side	15mm	2/2417	802.11b	0.089	0.093	0.057	-0.15	99%	0.093	18.15	19.00	0.114	Battery 2#	Yes
Back Side	15mm	11/2462	802.11b	0.075	0.075	0.046	-0.14	99%	0.076	18.03	19.00	0.095	Battery 2#	/
Back Side	15mm	2/2417	802.11b	0.081	0.086	0.054	-0.18	99%	0.087	18.15	19.00	0.106	With Wireless Charging Cover	/
Back Side	15mm	2/2417	802.11b	0.086	0.091	0.056	-0.19	99%	0.092	18.15	19.00	0.112	Battery 1#	ELE-L29m
Back Side	15mm	2/2417	802.11b	0.066	0.074	0.046	-0.150	99%	0.075	18.15	19.00	0.091	Wireless Charging Cover	ELE-L29m
Ant6(Core1)														
Front Side	15mm	6/2437	802.11b	0.007	/	/	-0.12	99%	/	18.20	18.50	/	Battery 1#	/
Back Side	15mm	6/2437	802.11b	0.052	0.055	0.028	-0.12	99%	0.055	18.20	18.50	0.059	Battery 1#	/
Back Side	15mm	6/2437	802.11b	0.065	0.068	0.033	-0.06	99%	0.068	18.20	18.50	0.073	Battery 2#	/
Back Side	15mm	2/2417	802.11b	0.083	0.089	0.043	-0.17	99%	0.090	18.18	18.50	0.097	Battery 2#	Yes
Back Side	15mm	11/2462	802.11b	0.053	0.057	0.029	-0.11	99%	0.058	18.14	18.50	0.063	Battery 2#	/
Back Side	15mm	2/2417	802.11b	0.020	0.022	0.012	-0.19	99%	0.022	18.18	18.50	0.024	With Wireless Charging Cover	/
Back Side	15mm	2/2417	802.11b	0.050	0.050	0.025	-0.10	99%	0.051	18.18	18.50	0.054	Battery 1#	ELE-L29m
Back Side	15mm	2/2417	802.11b	0.037	0.035	0.019	-0.140	99%	0.035	18.18	18.50	0.038	Wireless Charging Cover	ELE-L29m

Table 173: Body Worn SAR test results of WiFi 2.4G SISO

Note:

- 1) Per KDB248227D01, for Body SAR test of WiFi 2.4G SISO, SAR is measured for 2.4 GHz 802.11b DSSS using the initial test position procedure. The highest reported SAR for DSSS is adjusted by the ratio of OFDM 802.11n to DSSS specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for 802.11n is not required.
- 2) As different maximum tune-up output power is specified across the different channels range, WIFI 2.4G SISO SAR test is performed on 2CH/6CH/11CH according to the max tune-up power to ensure compliance.

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
					1-g	10-g								
Ant5(Core0)														
Front Side	15mm	6/2437	802.11g	0.059	/	/	0.18	99%	/	17.28	18.00	/	Battery 1#	/
Back Side	15mm	6/2437	802.11g	0.065	0.067	0.041	-0.19	99%	0.068	17.28	18.00	0.080	Battery 1#	/
Back Side	15mm	6/2437	802.11g	0.059	0.062	0.038	-0.13	99%	0.062	17.28	18.00	0.074	Battery 2#	/
Back Side	15mm	2/2417	802.11g	0.058	0.060	0.036	-0.14	99%	0.060	17.17	18.00	0.073	Battery 1#	/
Back Side	15mm	10/2457	802.11g	0.085	0.090	0.056	0.16	99%	0.091	17.03	18.00	0.114	Battery 1#	/
Back Side	15mm	10/2457	802.11g	0.055	0.056	0.036	-0.01	99%	0.057	17.03	18.00	0.071	With Wireless Charging Cover	/
Back Side	15mm	10/2457	802.11g	0.080	0.085	0.052	0.12	99%	0.086	17.03	18.00	0.107	Battery 1#	ELE-L29m
Back Side	15mm	10/2457	802.11g	0.068	/	/	-0.11	99%	/	17.03	18.00	/	Wireless Charging Cover	ELE-L29m
Ant6(Core1)														
Front Side	15mm	6/2437	802.11g	0.006	/	/	-0.19	99%	/	17.10	17.50	/	Battery 1#	/
Back Side	15mm	6/2437	802.11g	0.054	0.054	0.027	-0.12	99%	0.055	17.10	17.50	0.060	Battery 1#	/
Back Side	15mm	6/2437	802.11g	0.044	0.047	0.023	0.13	99%	0.048	17.10	17.50	0.052	Battery 2#	/
Back Side	15mm	2/2417	802.11g	0.055	0.057	0.029	-0.06	99%	0.057	17.09	17.50	0.063	Battery 1#	/
Back Side	15mm	10/2457	802.11g	0.052	0.053	0.027	-0.05	99%	0.053	17.05	17.50	0.059	Battery 1#	/
Back Side	15mm	2/2417	802.11g	0.023	0.024	0.013	-0.02	99%	0.024	17.09	17.50	0.026	With Wireless Charging Cover	/
Back Side	15mm	2/2417	802.11g	0.055	0.057	0.027	0.17	99%	0.057	17.09	17.50	0.063	Battery 1#	ELE-L29m
Back Side	15mm	2/2417	802.11g	0.025	0.022	0.013	-0.13	99%	0.022	17.09	17.50	0.025	Wireless Charging Cover	ELE-L29m

Table 174: Body Worn SAR test results of WiFi 2.4G CDD

Note:

- 1) Per KDB248227D01, for Head SAR test of WiFi 2.4G CDD/MIMO, SAR is measured for 2.4 GHz OFDM 802.11g using the initial test position procedure. The highest reported SAR for OFDM 802.11g is adjusted by the ratio of OFDM 802.11n(20M) and OFDM 802.11n(40M) to OFDM 802.11g specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for 802.11 n(20M) and 802.11n(40M) is not required.
- 2) As different maximum tune-up output power is specified across the different channels range, WIFI 2.4G CDD/MIMO SAR test is performed on 2CH/6CH/10CH according to the max tune-up power to ensure compliance.

Test Position of Body-Worn	Dist.	Test Mode	WiFi 2.4G CDD/MIMO 1-g SAR(W/kg)		
			Ant 5(Core 0)	Ant 6(Core 1)	CDD/MIMO (Ant 5(Core 0)+ Ant 6(Core 1))
Front Side	15mm	802.11g	0.114	0.063	0.177
Back Side	15mm	802.11g	0.114	0.063	0.177

Table 175: Body Worn SAR test results of WiFi 2.4G CDD calculation

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
					1-g	10-g							
Ant5(Core0)													
Front Side	10mm	6/2437	802.11b	0.104	/	/	-0.07	99%	/	18.19	19.00	/	Yes
Back Side	10mm	6/2437	802.11b	0.115	0.120	0.072	-0.06	99%	0.121	18.19	19.00	0.146	Yes
Right Side	10mm	6/2437	802.11b	0.077	/	/	-0.18	99%	/	18.19	19.00	/	Yes
Top Side	10mm	6/2437	802.11b	0.186	0.190	0.102	-0.03	99%	0.192	18.19	19.00	0.231	Yes
Top Side	10mm	6/2437	802.11b	0.212	0.201	0.110	-0.16	99%	0.203	18.19	19.00	0.245	Yes
Top Side	10mm	2/2417	802.11b	0.173	0.178	0.095	-0.04	99%	0.180	18.15	19.00	0.219	Yes
Top Side	10mm	11/2462	802.11b	0.223	0.226	0.124	-0.07	99%	0.228	18.03	19.00	0.285	Yes
Top Side	10mm	11/2462	802.11b	0.188	0.180	0.100	-0.13	99%	0.182	18.03	19.00	0.227	Yes
Top Side	10mm	11/2462	802.11b	0.183	0.187	0.107	-0.07	99%	0.189	18.03	19.00	0.236	Yes ELE-L29m
Top Side	10mm	11/2462	802.11b	0.194	0.196	0.112	-0.19	99%	0.198	18.03	19.00	0.248	Yes ELE-L29m
Ant6(Core1)													
Front Side	10mm	6/2437	802.11b	0.009	/	/	-0.11	99%	/	18.20	18.50	/	Yes
Back Side	10mm	6/2437	802.11b	0.141	0.151	0.066	-0.09	99%	0.153	18.20	18.50	0.163	Yes
Left Side	10mm	6/2437	802.11b	0.050	/	/	-0.18	99%	/	18.20	18.50	/	Yes
Top Side	10mm	6/2437	802.11b	0.011	/	/	-0.14	99%	/	18.20	18.50	/	Yes
Back Side	10mm	6/2437	802.11b	0.148	0.160	0.070	-0.130	99%	0.162	18.20	18.50	0.173	Yes
Back Side	10mm	2/2417	802.11b	0.159	0.179	0.079	-0.11	99%	0.181	18.18	18.50	0.195	Yes
Back Side	10mm	11/2462	802.11b	0.124	0.137	0.061	-0.06	99%	0.138	18.14	18.50	0.150	Yes
Back Side	10mm	2/2417	802.11b	0.054	0.057	0.028	-0.10	99%	0.057	18.18	18.50	0.062	Yes
Back Side	10mm	2/2417	802.11b	0.148	0.172	0.072	0.15	99%	0.174	18.18	18.50	0.187	Yes ELE-L29m
Back Side	10mm	2/2417	802.11b	0.067	0.079	0.039	-0.03	99%	0.079	18.18	18.50	0.085	Yes ELE-L29m

Table 176: Hotspot SAR test results of WiFi 2.4G SISO

- 1) Per KDB248227D01, for Hotspot SAR test of WiFi 2.4G SISO, SAR is measured for 2.4 GHz 802.11b DSSS using the initial test position procedure. The highest reported SAR for DSSS is adjusted by the ratio of OFDM 802.11g/n to DSSS specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for 802.11g/n is not required.
- 2) Per KDB 648474 D04, Product Specific 10-g SAR test is not required for WiFi 2.4G SISO since hotspot mode 1-g reported SAR < 1.2 W/kg.
- 3) WiFi 2.4G CDD/MIMO does not support hotspot function.
- 4) As different maximum tune-up output power is specified across the different channels range, WIFI 2.4G SISO 11b SAR test is performed on 2CH/6CH/11CH according to the max tune-up power to ensure compliance.

Limbs With Omm	Dist.	Test Channel /Freq.(MH z)	Test Mode	Area Scan 10-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 10-g SAR (W/kg)	Conducte d Power (dBm)	Tune-up Power (dBm)	Reporte d 1-g SAR (W/kg)	Accessory Information	SAR Plot.
					1-g	10-g								
Ant5(Core0)														
Front Side	0mm	6/2437	802.11g	0.731	1.220	0.610	0.10	99%	0.616	17.28	18.00	0.727	Battery 1#	/
Back Side	0mm	6/2437	802.11g	0.382	0.831	0.407	0.12	99%	0.411	17.28	18.00	0.485	Battery 1#	/
Left Side	0mm	6/2437	802.11g	0.037	0.072	0.037	0.05	99%	0.037	17.28	18.00	0.044	Battery 1#	/
Right Side	0mm	6/2437	802.11g	0.231	0.661	0.199	-0.15	99%	0.201	17.28	18.00	0.237	Battery 1#	/
Top Side	0mm	6/2437	802.11g	0.986	2.560	0.957	-0.16	99%	0.967	17.28	18.00	1.141	Battery 1#	/
Top Side	0mm	6/2437	802.11g	1.030	2.790	1.060	0.14	99%	1.071	17.28	18.00	1.264	Battery 2#	Yes
Top Side	0mm	2/2417	802.11g	0.762	2.030	0.746	0.13	99%	0.754	17.17	18.00	0.912	Battery 2#	/
Top Side	0mm	10/2457	802.11g	0.720	1.870	0.720	-0.13	99%	0.727	17.03	18.00	0.909	Battery 2#	/
Top Side	0mm	6/2437	802.11g	0.526	1.250	0.533	0.13	99%	0.538	17.28	18.00	0.635	With Wireless Charging Cover	/
Top Side	0mm	6/2437	802.11g	0.764	2.180	0.821	-0.19	99%	0.829	17.28	18.00	0.979	Battery 1#	ELE-L29m
Top Side	0mm	6/2437	802.11g	0.538	1.310	0.550	-0.05	99%	0.556	17.28	18.00	0.656	Wireless Charging Cover	ELE-L29m
Ant6(Core1)														
Front Side	0mm	6/2437	802.11g	0.048	0.113	0.038	-0.16	99%	0.038	17.10	17.50	0.042	Battery 1#	/
Back Side	0mm	6/2437	802.11g	0.550	1.470	0.522	0.18	99%	0.527	17.10	17.50	0.578	Battery 1#	/
Left Side	0mm	6/2437	802.11g	0.176	0.552	0.197	-0.15	99%	0.199	17.10	17.50	0.218	Battery 1#	/
Right Side	0mm	6/2437	802.11g	0.005	/	/	-0.03	99%	/	17.10	17.50	/	Battery 1#	/
Top Side	0mm	6/2437	802.11g	0.058	0.152	0.049	-0.13	99%	0.049	17.10	17.50	0.054	Battery 1#	/
Back Side	0mm	6/2437	802.11g	0.593	1.450	0.525	-0.100	99%	0.530	17.10	17.50	0.581	Battery 2#	/
Back Side	0mm	2/2417	802.11g	0.697	1.840	0.656	0.05	99%	0.663	17.09	17.50	0.728	Battery 2#	Yes
Back Side	0mm	10/2457	802.11g	0.413	1.380	0.508	0.14	99%	0.513	17.05	17.50	0.569	Battery 2#	/
Back Side	0mm	2/2417	802.11g	0.221	0.548	0.224	0.17	99%	0.226	17.09	17.50	0.249	With Wireless Charging Cover	/
Back Side	0mm	2/2417	802.11g	0.436	1.070	0.404	0.17	99%	0.408	17.09	17.50	0.448	Battery 1#	ELE-L29m
Back Side	0mm	2/2417	802.11g	0.257	0.635	0.265	-0.07	99%	0.268	17.09	17.50	0.294	Wireless Charging Cover	ELE-L29m

Table 177: Product Specific 10-g SAR test results of WiFi 2.4G CDD

Note:

- 1) Per KDB248227D01, for Product Specific 10-g SAR test of WiFi 2.4G CDD, SAR is measured for 2.4 GHz OFDM 802.11g using the initial test position procedure. The highest reported SAR for OFDM 802.11g is adjusted by the ratio of OFDM 802.11n(20M) and OFDM 802.11n(40M) to OFDM 802.11g specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for 802.11 n(20M) and 802.11n(40M) is not required.
- 2) As different maximum tune-up output power is specified across the different channels range, WIFI 2.4G CDD 11g SAR test is performed on 2CH/6CH/10CH according to the max tune-up power to ensure compliance.

Product Specific 10-g SAR	Dist.	Test Mode	WiFi 2.4G CDD/MIMO 10-g SAR (W/kg)		
			Ant 5(Core 0)	Ant 6(Core 1)	CDD/MIMO(Ant 5(Core 0)+ Ant 6(Core 1))
Front Side	0mm	802.11g	0.727	0.042	0.769
Back Side	0mm	802.11g	0.485	0.728	1.213
Left Side	0mm	802.11g	0.044	0.218	0.262
Right Side	0mm	802.11g	0.237	0.728	0.965
Top Side	0mm	802.11g	1.264	0.054	1.318

Table 178: Product Specific 10-g SAR test results of WiFi 2.4G CDD calculation

7.2.15 SAR measurement Results of WiFi 5G

Test Position of Head	Dist.	Test Channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
					1-g	10-g								
Ant5(Core0)														
Test data of U-NII-1&U-NII-2A band														
Left cheek	/	54/5270	802.11n(40M)	0.196	0.218	0.069	-0.01	98%	0.222	12.19	12.50	0.239	Battery 1#	/
Left tilt	/	54/5270	802.11n(40M)	0.219	0.214	0.067	-0.01	98%	0.218	12.19	12.50	0.235	Battery 1#	/
Right cheek	/	54/5270	802.11n(40M)	0.083	0.076	0.026	0.06	98%	0.078	12.19	12.50	0.084	Battery 1#	/
Right tilt	/	54/5270	802.11n(40M)	0.096	/	/	-0.19	98%	/	12.19	12.50	/	Battery 1#	/
Left cheek	/	54/5270	802.11n(40M)	0.163	0.193	0.058	0.06	98%	0.197	12.19	12.50	0.212	Battery 2#	/
Left cheek	/	62/5310	802.11n(40M)	0.076	0.076	0.022	0.19	98%	0.077	8.52	9.50	0.097	Battery 1#	/
Test data of U-NII-2C band														
Left cheek	/	110/5550	802.11n(40M)	0.276	0.354	0.097	-0.11	98%	0.361	11.84	12.50	0.421	Battery 1#	/
Left tilt	/	110/5550	802.11n(40M)	0.310	0.336	0.092	-0.09	98%	0.343	11.84	12.50	0.399	Battery 1#	/
Right cheek	/	110/5550	802.11n(40M)	0.149	/	/	0.11	98%	/	11.84	12.50	/	Battery 1#	/
Right tilt	/	110/5550	802.11n(40M)	0.163	0.166	0.054	-0.11	98%	0.169	11.84	12.50	0.197	Battery 1#	/
Left cheek	/	110/5550	802.11n(40M)	0.362	0.111	0.124	0.00	98%	0.113	11.84	12.50	0.132	Battery 2#	/
Left cheek	/	118/5590	802.11n(40M)	0.299	0.388	0.105	-0.07	98%	0.396	11.83	12.50	0.462	Battery 2#	/
Left cheek	/	126/5630	802.11n(40M)	0.305	0.398	0.108	-0.17	98%	0.406	11.83	12.50	0.474	Battery 2#	/
Test data of U-NII-3 band														
Left cheek	/	155/5775	802.11ac(80M)	0.206	0.309	0.081	-0.19	96%	0.322	11.40	11.50	0.329	Battery 1#	/
Left tilt	/	155/5775	802.11ac(80M)	0.482	0.588	0.154	0.15	96%	0.613	11.40	11.50	0.627	Battery 1#	Yes
Right cheek	/	155/5775	802.11ac(80M)	0.233	0.223	0.077	-0.09	96%	0.232	11.40	11.50	0.238	Battery 1#	/
Right tilt	/	155/5775	802.11ac(80M)	0.275	0.269	0.092	-0.11	96%	0.280	11.40	11.50	0.287	Battery 1#	/
Left tilt	/	155/5775	802.11ac(80M)	0.339	0.412	0.104	-0.02	96%	0.429	11.40	11.50	0.439	Battery 2#	/
Left tilt	/	155/5775	802.11ac(80M)	0.287	0.396	0.107	0.09	96%	0.413	11.40	11.50	0.422	With Wireless Charging Cover	/
Left tilt	/	155/5775	802.11ac(80M)	0.394	0.567	0.153	0.08	96%	0.591	11.40	11.50	0.604	Battery 1#	ELE-L29m
Left tilt	/	155/5775	802.11ac(80M)	0.500	0.574	0.155	-0.07	96%	0.598	11.40	11.50	0.612	With Wireless Charging Cover	ELE-L29m
Ant6(Core1)														
Test data of U-NII-1&U-NII-2A band														
Left cheek	/	54/5270	802.11n(40M)	0.039	0.029	0.009	-0.16	98%	0.030	12.38	12.50	0.031	Battery 1#	Yes
Left tilt	/	54/5270	802.11n(40M)	0.013	0.011	0.003	-0.01	98%	0.011	12.38	12.50	0.011	Battery 1#	/
Right cheek	/	54/5270	802.11n(40M)	0.071	/	/	0.18	98%	/	12.38	12.50	/	Battery 1#	/
Right tilt	/	54/5270	802.11n(40M)	0.040	/	/	-0.13	98%	/	12.38	12.50	/	Battery 1#	/
Left cheek	/	54/5270	802.11n(40M)	0.032	0.023	0.007	0.15	98%	0.024	12.38	12.50	0.024	Battery 2#	/
Left cheek	/	62/5310	802.11n(40M)	0.007	0.003	0.001	-0.11	98%	0.003	9.39	9.50	0.003	Battery 1#	/
Test data of U-NII-2C band														
Left cheek	/	110/5550	802.11n(40M)	0.014	0.013	<0.001	-0.01	98%	0.013	12.02	12.50	0.014	Battery 1#	/
Left tilt	/	110/5550	802.11n(40M)	0.005	/	/	-0.04	98%	/	12.02	12.50	/	Battery 1#	/

Right cheek	/	110/5550	802.11n(40M)	0.005	/	/	-0.06	98%	/	12.02	12.50	/	Battery 1#	/
Right tilt	/	110/5550	802.11n(40M)	0.004	/	/	0.03	98%	/	12.02	12.50	/	Battery 1#	/
Left cheek	/	110/5550	802.11n(40M)	0.020	0.012	0.003	0.00	98%	0.013	12.02	12.50	0.014	Battery 2#	/
Left cheek	/	118/5590	802.11n(40M)	0.020	0.013	0.003	0.09	98%	0.013	11.80	12.50	0.015	Battery 1#	/
Left cheek	/	126/5630	802.11n(40M)	0.020	0.013	0.003	-0.19	98%	0.013	12.01	12.50	0.015	Battery 1#	/
Test data of U-NII-3 band														
Left cheek	/	155/5775	802.11ac(80M)	0.009	0.005	0.002	0.15	96%	0.005	11.40	11.50	0.005	Battery 1#	/
Left tilt	/	155/5775	802.11ac(80M)	0.011	0.005	0.002	0.13	96%	0.006	11.40	11.50	0.006	Battery 1#	/
Right cheek	/	155/5775	802.11ac(80M)	0.015	0.012	0.002	0.17	96%	0.012	11.40	11.50	0.013	Battery 1#	/
Right tilt	/	155/5775	802.11ac(80M)	0.004	/	/	-0.01	96%	/	11.40	11.50	/	Battery 1#	/
Right cheek	/	155/5775	802.11ac(80M)	0.015	0.011	0.002	0.12	96%	0.012	11.40	11.50	0.012	Battery 2#	/
Left cheek	/	54/5270	802.11n(40M)	0.021	0.008	0.003	0.09	98%	0.008	12.38	12.50	0.008	With Wireless Charging Cover	/
Left cheek	/	54/5270	802.11n(40M)	0.017	0.011	0.003	0.00	98%	0.011	12.38	12.50	0.011	Battery 1#	ELE-L29m
Left cheek	/	54/5270	802.11n(40M)	0.010	0.007	0.002	-0.14	98%	0.007	12.38	12.50	0.007	With Wireless Charging Cover	ELE-L29m

Table 179: Head SAR test results of WiFi 5G

Note:

- 1) Per KDB248227D01, for Head SAR test of WiFi 5G U-NII-2A, SAR is measured for 802.11ac (80M) OFDM using the initial test position procedure. The highest reported SAR is adjusted by the ratio of other WiFi 5G modes to 802.11ac (80M) specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for other WiFi 5G mode is not required.
- 2) Per KDB248227D01, for Head SAR test of WiFi 5G U-NII-2C, SAR is measured for 802.11ac(160M) OFDM using the initial test position procedure. The highest reported SAR is adjusted by the ratio of 8 other WiFi 5G modes to 802.11ac (160M) specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for other WiFi 5G mode is not required.
- 3) Per KDB248227D01, for Head SAR test of WiFi 5G U-NII-2A, SAR is measured for 802.11ac (80M) OFDM using the initial test position procedure. The highest reported SAR is adjusted by the ratio of other WiFi 5G modes to 802.11ac (80M) specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for other WiFi 5G mode is not required.
- 4) When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. As the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition).

Test Position of Head	Dist.	Test Mode	WiFi 1-g SAR (W/kg)		
			Ant 5(Core 0)	Ant 6(Core 1)	MIMO(Ant 5(Core 0)+Ant 6(Core 1))
CDD/MIMO					
U-NII-1&U-NII-2A band					
Left cheek	/	802.11n(40M)	0.239	0.031	0.270
Left tilt	/	802.11n(40M)	0.235	0.011	0.246
Right cheek	/	802.11n(40M)	0.084	0.031	0.115
Right tilt	/	802.11n(40M)	0.239	0.031	0.270
U-NII-2C band					

Left cheek	/	802.11n(40M)	0.421	0.014	0.435
Left tilt	/	802.11n(40M)	0.399	0.014	0.413
Right cheek	/	802.11n(40M)	0.421	0.014	0.435
Right tilt	/	802.11n(40M)	0.197	0.014	0.211
U-NII-3 band					
Left cheek	/	802.11ac(80M)	0.329	0.005	0.334
Left tilt	/	802.11ac(80M)	0.627	0.006	0.633
Right cheek	/	802.11ac(80M)	0.238	0.013	0.251
Right tilt	/	802.11ac(80M)	0.287	0.013	0.300

Table 180: Head SAR of WiFi 5G CDD/MIMO

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
					1-g	10-g								
Ant5(Core0)														
Test data of U-NII-1&U-NII-2A band														
Front Side	15mm	56/5280	802.11a	0.038	/	/	-0.12	99%	/	16.89	17.00	/	Battery 1#	/
Back Side	15mm	56/5280	802.11a	0.042	0.034	0.014	-0.13	99%	0.034	16.89	17.00	0.035	Battery 1#	/
Back Side	15mm	56/5280	802.11a	0.033	0.029	0.012	-0.01	99%	0.030	16.89	17.00	0.030	Battery 2#	/
Back Side	15mm	52/5260	802.11a	0.031	0.031	0.012	-0.19	99%	0.031	16.74	17.00	0.033	Battery 1#	/
Back Side	15mm	60/5300	802.11a	0.041	0.040	0.017	-0.04	99%	0.040	16.88	17.00	0.042	Battery 1#	/
Test data of U-NII-2C band														
Front Side	15mm	116/5580	802.11a	0.079	0.074	0.031	-0.18	99%	0.075	16.89	17.00	0.077	Battery 1#	/
Back Side	15mm	116/5580	802.11a	0.135	0.142	0.056	-0.09	99%	0.143	16.89	17.00	0.147	Battery 1#	/
Back Side	15mm	116/5580	802.11a	0.205	0.209	0.082	0.09	99%	0.211	16.89	17.00	0.217	Battery 2#	/
Back Side	15mm	104/5520	802.11a	0.144	0.149	0.064	0.01	99%	0.151	16.58	17.00	0.166	Battery 1#	/
Back Side	15mm	136/5680	802.11a	0.202	0.211	0.086	-0.03	99%	0.213	16.88	17.00	0.219	Battery 1#	Yes
Test data of U-NII-3 band														
Front Side	15mm	155/5775	802.11ac(80M)	0.029	/	/	-0.13	96%	/	11.35	11.50	/	Battery 1#	/
Back Side	15mm	155/5775	802.11ac(80M)	0.050	0.045	0.017	-0.08	96%	0.047	11.35	11.50	0.048	Battery 1#	/
Back Side	15mm	155/5775	802.11ac(80M)	0.045	0.043	0.016	0.09	96%	0.045	11.35	11.50	0.046	Battery 2#	/
Back Side	15mm	136/5680	802.11a	0.139	0.144	0.056	-0.04	99%	0.145	16.88	17.00	0.150	With Wireless Charging Cover	/
Back Side	15mm	136/5680	802.11a	0.178	0.185	0.075	-0.12	99%	0.187	16.88	17.00	0.192	Battery 1#	ELE-L29m
Back Side	15mm	136/5680	802.11a	0.104	0.106	0.044	-0.05	99%	0.107	16.88	17.00	0.110	With Wireless Charging Cover	ELE-L29m
Ant6(Core1)														
Test data of U-NII-1&U-NII-2A band														
Front Side	15mm	56/5280	802.11a	0.006	/	/	0.17	99%	/	16.32	16.50	/	Battery 1#	/
Back Side	15mm	56/5280	802.11a	0.068	0.062	0.026	0.11	99%	0.062	16.32	16.50	0.065	Battery 1#	/
Back Side	15mm	56/5280	802.11a	0.077	0.061	0.026	-0.14	99%	0.062	16.32	16.50	0.065	Battery 2#	/
Back Side	15mm	52/5260	802.11a	0.059	0.058	0.024	-0.13	99%	0.059	16.31	16.50	0.061	Battery 1#	/
Back Side	15mm	60/5300	802.11a	0.083	0.078	0.027	0.02	99%	0.078	16.30	16.50	0.082	Battery 1#	Yes
Test data of U-NII-2C band														
Front Side	15mm	116/5580	802.11a	0.008	/	/	-0.11	99%	/	16.32	16.50	/	Battery 1#	/
Back Side	15mm	116/5580	802.11a	0.021	0.025	0.011	-0.01	99%	0.025	16.32	16.50	0.026	Battery 1#	/
Back Side	15mm	116/5580	802.11a	0.025	0.024	0.009	-0.08	99%	0.024	16.32	16.50	0.025	Battery 2#	/
Back Side	15mm	104/5520	802.11a	0.036	0.035	0.014	-0.02	99%	0.035	16.31	16.50	0.037	Battery 1#	/
Back Side	15mm	136/5680	802.11a	0.036	0.041	0.016	0.02	99%	0.041	16.31	16.50	0.043	Battery 1#	/
Test data of U-NII-3 band														
Front Side	15mm	155/5775	802.11ac(80M)	0.011	/	/	0.06	96%	/	10.72	11.50	/	Battery 1#	/
Back Side	15mm	155/5775	802.11ac(80M)	0.017	0.010	0.004	-0.19	96%	0.010	10.72	11.50	0.012	Battery 1#	/
Back Side	15mm	155/5775	802.11ac(80M)	0.016	0.011	0.004	-0.07	96%	0.011	10.72	11.50	0.014	Battery 2#	/

Back Side	15mm	60/5300	802.11a	0.055	0.055	0.024	-0.16	99%	0.055	16.30	16.50	0.058	With Wireless Charging Cover	/
Back Side	15mm	60/5300	802.11a	0.053	0.057	0.020	0.12	99%	0.057	16.30	16.50	0.060	Battery 1#	ELE-L29m
Back Side	15mm	60/5300	802.11a	0.038	0.038	0.016	-0.12	99%	0.039	16.30	16.50	0.040	With Wireless Charging Cover	ELE-L29m

Table 181: Body Worn SAR test results of WiFi 5G SISO

- 1) Per KDB248227D01, for Body-Worn SAR test of WiFi 5G , SAR is measured for 5GHz 802.11a using the initial test position procedure. The highest reported SAR for 802.11a is adjusted by the ratio of other WiFi 5G modes to 802.11a specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for other WiFi 5G modes are not required.
- 2) When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. As the highest reported SAR for a test configuration is ≤ 1.2 W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition);
- 3) Per KDB 248227D01v02, simultaneous transmission provisions in KDB Publication 447498 should be used to determine simultaneous transmission SAR test exclusion for WiFi MIMO. If the sum of 1-g SAR single transmission SAR measurement is <1.6W/kg, no additional SAR measurements for MIMO are required. Alternatively, SAR for MIMO can be measured with all antennas transmitting simultaneously at the specified maximum output power of MIMO operation

Test Position of Body-Worn	Dist.	Test Mode	WiFi 5G CDD/MIMO 1-g SAR (W/kg)		
			Ant 5(Core 0)	Ant 6(Core 1)	CDD/MIMO(Ant 5(Core 0)+Ant 6(Core 1))
Test data of U-NII-1&U-NII-2A band					
Front Side	15mm	802.11a	0.042	0.082	0.124
Back Side	15mm	802.11a	0.042	0.082	0.124
U-NII-2C band					
Front Side	15mm	802.11a	0.077	0.043	0.120
Back Side	15mm	802.11a	0.219	0.043	0.262
U-NII-3 band					
Front Side	15mm	802.11a	0.048	0.014	0.062
Back Side	15mm	802.11a	0.048	0.014	0.062

Table 182: Body Worn SAR of WiFi 5G CDD calculation

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
					1-g	10-g								
Ant5(Core0)														
Test data of U-NII-1 band														
Front Side	10mm	44/5220	802.11a	0.050	/	/	-0.16	99%	/	16.63	17.00	/	Battery 1#	/
Back Side	10mm	44/5220	802.11a	0.064	0.066	0.025	0.07	99%	0.067	16.63	17.00	0.073	Battery 1#	/
Left Side	10mm	44/5220	802.11a	0.016	/	/	0.19	99%	/	16.63	17.00	/	Battery 1#	/
Right Side	10mm	44/5220	802.11a	0.023	/	/	0.00	99%	/	16.63	17.00	/	Battery 1#	/
Top Side	10mm	44/5220	802.11a	0.074	0.082	0.028	0.01	99%	0.083	16.63	17.00	0.090	Battery 1#	/
Top Side	10mm	44/5220	802.11a	0.100	0.107	0.037	-0.01	99%	0.108	16.63	17.00	0.118	Battery 2#	Yes
Top Side	10mm	40/5200	802.11a	0.085	0.092	0.034	-0.12	99%	0.093	16.60	17.00	0.102	Battery 2#	/
Top Side	10mm	48/5240	802.11a	0.083	0.087	0.031	-0.17	99%	0.087	16.60	17.00	0.096	Battery 2#	/
Test data of U-NII-3 band														
Front Side	10mm	155/5775	802.11ac(80M)	0.037	/	/	-0.06	96%	/	11.35	11.50	/	Battery 1#	/
Back Side	10mm	155/5775	802.11ac(80M)	0.075	/	/	0.05	96%	/	11.35	11.50	/	Battery 1#	/
Left Side	10mm	155/5775	802.11ac(80M)	0.023	/	/	0.10	96%	/	11.35	11.50	/	Battery 1#	/
Right Side	10mm	155/5775	802.11ac(80M)	0.040	/	/	-0.10	96%	/	11.35	11.50	/	Battery 1#	/
Top Side	10mm	155/5775	802.11ac(80M)	0.101	0.106	0.036	0.01	96%	0.110	11.35	11.50	0.114	Battery 1#	/
Top Side	10mm	155/5775	802.11ac(80M)	0.099	0.106	0.035	0.06	96%	0.110	11.35	11.50	0.114	Battery 2#	/
Top Side	10mm	44/5220	802.11a	0.082	0.086	0.033	-0.03	99%	0.087	16.63	17.00	0.094	With Wireless Charging Cover	/
Top Side	10mm	44/5220	802.11a	0.083	0.090	0.033	-0.05	99%	0.091	16.63	17.00	0.099	Battery 2#	ELE-L29m
Top Side	10mm	44/5220	802.11a	0.073	0.074	0.029	-0.05	99%	0.075	16.63	17.00	0.081	With Wireless Charging Cover	ELE-L29m
Ant6(Core1)														
Test data of U-NII-1 band														
Front Side	10mm	44/5220	802.11a	0.023	/	/	-0.15	99%	/	16.32	16.50	/	Battery 1#	/
Back Side	10mm	44/5220	802.11a	0.131	0.148	0.045	-0.18	99%	0.149	16.32	16.50	0.156	Battery 1#	/
Left Side	10mm	44/5220	802.11a	0.032	0.033	0.011	-0.06	99%	0.033	16.32	16.50	0.035	Battery 1#	/
Right Side	10mm	44/5220	802.11a	0.012	/	/	0.16	99%	/	16.32	16.50	/	Battery 1#	/
Top Side	10mm	44/5220	802.11a	0.034	0.027	0.011	0.01	99%	0.027	16.32	16.50	0.028	Battery 1#	/
Back Side	10mm	44/5220	802.11a	0.178	0.221	0.061	-0.06	99%	0.223	16.32	16.50	0.233	Battery 2#	Yes
Back Side	10mm	40/5200	802.11a	0.163	0.204	0.058	-0.12	99%	0.206	16.31	16.50	0.215	Battery 2#	/
Back Side	10mm	48/5240	802.11a	0.115	0.133	0.041	-0.08	99%	0.134	16.31	16.50	0.140	Battery 2#	/
Test data of U-NII-3 band														
Front Side	10mm	155/5775	802.11ac(80M)	0.006	/	/	0.11	96%	/	10.72	11.50	/	Battery 1#	/
Back Side	10mm	155/5775	802.11ac(80M)	0.022	0.015	0.005	-0.13	96%	0.016	10.72	11.50	0.019	Battery 1#	/

Left Side	10mm	155/5775	802.11ac(80M)	0.014	0.013	0.006	-0.15	96%	0.013	10.72	11.50	0.016	Battery 1#	/
Right Side	10mm	155/5775	802.11ac(80M)	0.011	/	/	0.12	96%	/	10.72	11.50	/	Battery 1#	/
Top Side	10mm	155/5775	802.11ac(80M)	0.007	/	/	0.11	96%	/	10.72	11.50	/	Battery 1#	/
Back Side	10mm	155/5775	802.11ac(80M)	0.027	0.020	0.007	-0.18	96%	0.021	10.72	11.50	0.025	Battery 2#	/
Back Side	10mm	44/5220	802.11a	0.073	0.074	0.028	0.12	99%	0.074	16.32	16.50	0.077	With Wireless Charging Cover	/
Back Side	10mm	44/5220	802.11a	0.149	0.174	0.049	-0.11	99%	0.176	16.32	16.50	0.183	Battery 2#	ELE-L29m
Back Side	10mm	44/5220	802.11a	0.080	0.081	0.032	-0.06	99%	0.082	16.32	16.50	0.085	With Wireless Charging Cover	ELE-L29m

Table 183: Hotspot SAR test results of WiFi 5G SISO

Note:

- 1) Per KDB248227D01, for Body-Worn SAR test of WiFi 5G , SAR is measured for 5GHz 802.11a using the initial test position procedure. The highest reported SAR for 802.11a is adjusted by the ratio of other WiFi 5G modes to 802.11a specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for other WiFi 5G modes are not required.
- 2) Per KDB 648474 D04, Product Specific 10-g SAR test is not required for U-NII-1 and U-NII-3 since hotspot mode 1-g reported SAR < 1.2 W/kg.
- 3) The device do not support hotspot function at U-NII-2A & U-NII-2C band.
- 4) Per KDB 248227D01v02, simultaneous transmission provisions in KDB Publication 447498 should be used to determine simultaneous transmission SAR test exclusion for WiFi MIMO. If the sum of 1-g SAR single transmission SAR measurement is <1.6W/kg, no additional SAR measurements for MIMO are required. Alternatively, SAR for MIMO can be measured with all antennas transmitting simultaneously at the specified maximum output power of MIMO operation

Test Position of Hotspot	Dist.	Test Mode	WiFi 1-g SAR (W/kg)		
			Ant 5(Core 0)	Ant 6(Core 1)	CDD/MIMO(Ant 5(Core 0)+Ant 6(Core 1))
U-NII-1 band					
Front Side	10mm	802.11a	0.118	0.233	0.351
Back Side	10mm	802.11a	0.073	0.156	0.229
Left Side	10mm	802.11a	0.118	0.035	0.153
Right Side	10mm	802.11a	0.118	0.233	0.351
Top Side	10mm	802.11a	0.118	0.028	0.146
U-NII-3 band					
Front Side	10mm	802.11a	0.114	0.025	0.139
Back Side	10mm	802.11a	0.114	0.025	0.139
Left Side	10mm	802.11a	0.114	0.016	0.130
Right Side	10mm	802.11a	0.114	0.025	0.139
Top Side	10mm	802.11a	0.114	0.025	0.139

Table 184: Hotspot SAR test results of WiFi 5G CDD calculation



Limbs With 0mm	Dist.	Test Channel /Freq.(MHz)	Test Mode	Area Scan 10-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 10-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 10-g SAR (W/kg)	Accessory Information	SAR Plot.
					1-g	10-g								
Ant5(Core0)														
Test data of U-NII-2A band														
Front Side	0mm	56/5280	802.11a	0.275	0.963	0.289	-0.19	99%	0.292	16.89	17.00	0.299	Battery 1#	/
Back Side	0mm	56/5280	802.11a	0.201	0.632	0.209	0.11	99%	0.211	16.89	17.00	0.217	Battery 1#	/
Left Side	0mm	56/5280	802.11a	0.016	/	/	-0.06	99%	/	16.89	17.00	/	Battery 1#	/
Right Side	0mm	56/5280	802.11a	0.050	/	/	0.18	99%	/	16.89	17.00	/	Battery 1#	/
Top Side	0mm	56/5280	802.11a	0.732	3.830	0.897	-0.09	99%	0.906	16.89	17.00	0.929	Battery 1#	/
Top Side	0mm	56/5280	802.11a	0.770	3.970	0.928	-0.16	99%	0.937	16.89	17.00	0.961	Battery 2#	/
Top Side	0mm	52/5260	802.11a	0.727	3.950	0.922	-0.03	99%	0.931	16.74	17.00	0.989	Battery 2#	/
Top Side	0mm	60/5300	802.11a	0.705	3.890	0.924	-0.10	99%	0.933	16.88	17.00	0.959	Battery 2#	/
Test data of U-NII-2C band														
Front Side	0mm	116/5580	802.11a	0.509	2.450	0.604	0.07	99%	0.610	16.89	17.00	0.626	Battery 1#	/
Back Side	0mm	116/5580	802.11a	0.404	1.560	0.448	-0.03	99%	0.453	16.89	17.00	0.464	Battery 1#	/
Left Side	0mm	116/5580	802.11a	0.049	/	/	-0.12	99%	/	16.89	17.00	/	Battery 1#	/
Right Side	0mm	116/5580	802.11a	0.213	/	/	-0.19	99%	/	16.89	17.00	/	Battery 1#	/
Top Side	0mm	116/5580	802.11a	1.050	6.360	1.450	-0.13	99%	1.465	16.89	17.00	1.502	Battery 1#	/
Top Side	0mm	116/5580	802.11a	1.100	6.130	1.430	0.09	99%	1.444	16.89	17.00	1.481	Battery 1#	/
Top Side	0mm	104/5520	802.11a	0.831	4.600	1.080	0.13	99%	1.091	16.58	17.00	1.202	Battery 1#	/
Top Side	0mm	136/5680	802.11a	1.040	6.640	1.450	0.17	99%	1.465	16.88	17.00	1.506	Battery 1#	Yes
Top Side	0mm	136/5680	802.11a	0.692	3.030	0.817	-0.13	99%	0.825	16.88	17.00	0.848	With Wireless Charging Cover	/
Top Side	0mm	136/5680	802.11a	0.796	4.650	1.030	0.03	99%	1.040	16.88	17.00	1.070	Battery 1#	ELE-L29m
Top Side	0mm	136/5680	802.11a	0.547	2.390	0.625	0.13	99%	0.631	16.88	17.00	0.649	With Wireless Charging Cover	ELE-L29m
Ant6(Core1)														
Test data of U-NII-2A band														
Front Side	0mm	56/5280	802.11a	0.113	/	/	-0.12	99%	/	16.32	16.50	/	Battery 1#	/
Back Side	0mm	56/5280	802.11a	0.399	1.940	0.431	-0.12	99%	0.435	16.32	16.50	0.454	Battery 1#	/
Left Side	0mm	56/5280	802.11a	0.113	/	/	0.05	99%	/	16.32	16.50	/	Battery 1#	/
Right Side	0mm	56/5280	802.11a	0.003	/	/	0.08	99%	/	16.32	16.50	/	Battery 1#	/
Top Side	0mm	56/5280	802.11a	0.046	0.152	0.042	0.06	99%	0.042	16.32	16.50	0.044	Battery 1#	/
Back Side	0mm	56/5280	802.11a	0.419	2.430	0.529	0.19	99%	0.534	16.32	16.50	0.557	Battery 2#	Yes
Back Side	0mm	52/5260	802.11a	0.311	2.110	0.467	0.01	99%	0.472	16.31	16.50	0.493	Battery 1#	/
Back Side	0mm	60/5300	802.11a	0.357	2.260	0.486	0.02	99%	0.491	16.30	16.50	0.514	Battery 1#	/
Test data of U-NII-2C band														
Front Side	0mm	116/5580	802.11a	0.041	0.124	0.124	0.02	99%	0.125	16.32	16.50	0.131	Battery 1#	/
Back Side	0mm	116/5580	802.11a	0.279	1.310	0.303	-0.12	99%	0.306	16.32	16.50	0.319	Battery 1#	/
Left Side	0mm	116/5580	802.11a	0.040	/	/	0.14	99%	/	16.32	16.50	/	Battery 1#	/

Right Side	0mm	116/5580	802.11a	0.003	/	/	-0.10	99%	/	16.32	16.50	/	Battery 1#	/
Top Side	0mm	116/5580	802.11a	0.033	0.134	0.032	0.16	99%	0.033	16.32	16.50	0.034	Battery 1#	/
Back Side	0mm	116/5580	802.11a	0.286	1.310	0.309	0.02	99%	0.312	16.32	16.50	0.325	Battery 2#	/
Back Side	0mm	104/5520	802.11a	0.350	1.520	0.366	-0.14	99%	0.370	16.31	16.50	0.386	Battery 2#	/
Back Side	0mm	136/5680	802.11a	0.504	2.220	0.512	-0.06	99%	0.517	16.31	16.50	0.540	Battery 2#	/
Back Side	0mm	56/5280	802.11a	0.152	0.816	0.191	0.10	99%	0.193	16.32	16.50	0.201	With Wireless Charging Cover	/
Back Side	0mm	56/5280	802.11a	0.345	2.080	0.512	0.10	99%	0.517	16.32	16.50	0.539	Battery 1#	ELE-L29m
Back Side	0mm	56/5280	802.11a	0.163	0.614	0.189	0.11	99%	0.191	16.32	16.50	0.199	With Wireless Charging Cover	ELE-L29m

Table 185: Product Specific 10-g SAR test results of WiFi 5G SISO

Note:

1) Per KDB248227D01, for Product Specific 10-g SAR test of WiFi 5G, SAR is measured for 5GHz 802.11a using the initial test position procedure. The highest reported SAR for 802.11a is adjusted by the ratio of other WiFi 5G modes to 802.11a specified maximum output power and the adjusted SAR is < 75% limit, so SAR for other WiFi 5G modes are not required.

2) Per KDB 248227D01v02, simultaneous transmission provisions in KDB Publication 447498 should be used to determine simultaneous transmission SAR test exclusion for WiFi MIMO. If the sum of 1-g SAR single transmission SAR measurement is <1.6W/kg, no additional SAR measurements for MIMO are required. Alternatively, SAR for MIMO can be measured with all antennas transmitting simultaneously at the specified maximum output power of MIMO operation

Product Specific 10-g SAR	Dist.	Test Mode	WiFi 10-g SAR (W/kg)		
			Ant 5(Core 0)	Ant 6(Core 1)	CDD/MIMO(Ant 5(Core 0) +Ant 6(Core 1))
CDD/MIMO					
Test data of U-NII-2A band					
Front Side	0mm	802.11a	0.299	0.557	0.856
Back Side	0mm	802.11a	0.217	0.557	0.774
Left Side	0mm	802.11a	0.989	0.557	1.546
Right Side	0mm	802.11a	0.989	0.557	1.546
Top Side	0mm	802.11a	0.989	0.044	1.033
Test data of U-NII-2C band					
Front Side	0mm	802.11a	0.626	0.131	0.757
Back Side	0mm	802.11a	0.464	0.54	1.004
Left Side	0mm	802.11a	1.506	0.54	2.046
Right Side	0mm	802.11a	1.506	0.54	2.046
Top Side	0mm	802.11a	1.506	0.034	1.540

Table 186: Product Specific 10-g SAR of WiFi 5G CDD calculation

7.2.16 SAR measurement Results of BT

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g								
Test data for power level B												
Left cheek	39/2441	DH5	0.112	0.050	0.11	77%	0.145	9.45	11.00	0.208	Battery 1#	/
Left tilt	39/2441	DH5	0.075	0.029	-0.08	77%	0.097	9.45	11.00	0.139	Battery 1#	/
Right cheek	39/2441	DH5	0.010	0.003	-0.09	77%	0.013	9.45	11.00	0.018	Battery 1#	/
Right tilt	39/2441	DH5	0.037	0.018	-0.18	77%	0.049	9.45	11.00	0.069	Battery 1#	/
Left cheek	39/2441	DH5	0.075	0.035	0.02	77%	0.097	9.45	11.00	0.138	Battery 2#	/
Left cheek	11/2413	DH5	0.117	0.050	0.00	77%	0.152	9.08	11.00	0.236	Battery 1#	/
Left cheek	67/2469	DH5	0.200	0.084	0.08	77%	0.260	9.29	11.00	0.385	Battery 1#	Yes
Left cheek	67/2469	DH5	0.185	0.081	-0.13	77%	0.240	9.29	11.00	0.356	With Wireless Charging Cover	/
Left cheek	67/2469	DH5	0.196	0.083	-0.03	77%	0.255	9.29	11.00	0.377	Battery 1#	ELE-L29m
Left cheek	67/2469	DH5	0.174	0.074	0.17	77%	0.226	9.29	11.00	0.335	With Wireless Charging Cover	ELE-L29m

Table 187: Head SAR test results of BT

Test Position of Body- Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g								
Test data for power level B													
Front Side	15mm	39/2441	DH5	0.003	0.002	-0.12	77%	0.004	9.45	11.00	0.006	Battery 1#	/
Back Side	15mm	39/2441	DH5	0.003	0.001	-0.03	77%	0.004	9.45	11.00	0.006	Battery 1#	/
Front Side	15mm	39/2441	DH5	0.003	0.003	-0.09	77%	0.004	9.45	11.00	0.006	Battery 2#	/
Front Side	15mm	11/2413	DH5	0.004	0.003	-0.02	77%	0.005	9.08	11.00	0.008	Battery 2#	/
Front Side	15mm	67/2469	DH5	0.011	0.007	-0.13	77%	0.015	9.29	11.00	0.022	Battery 2#	/
Test data for power level A													
Front Side	15mm	22/2424	DH5	0.058	0.035	-0.14	77%	0.075	15.68	17.01	0.102	Battery 1#	/
Back Side	15mm	22/2424	DH5	0.058	0.036	-0.09	77%	0.075	15.68	17.01	0.102	Battery 1#	Yes
Back Side	15mm	22/2424	DH5	0.044	0.028	-0.17	77%	0.058	15.68	17.01	0.078	Battery 2#	/
Back Side	15mm	11/2413	DH5	0.033	0.020	0.04	77%	0.042	16.02	17.01	0.053	Battery 1#	/
Back Side	15mm	32/2434	DH5	0.038	0.024	-0.11	77%	0.050	15.18	17.01	0.076	Battery 1#	/
Back Side	15mm	22/2424	DH5	0.040	0.023	0.14	77%	0.052	15.68	17.01	0.070	With Wireless Charging Cover	/
Back Side	15mm	22/2424	DH5	0.047	0.029	-0.10	77%	0.062	15.68	17.01	0.084	Battery 1#	ELE- L29m
Back Side	15mm	22/2424	DH5	0.040	0.025	-0.05	77%	0.052	15.68	17.01	0.071	Wireless Charging Cover	ELE- L29m

Table 188: Body Worn SAR test results of BT

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g								
Test data for power level B													
Front Side	10mm	39/2441	DH5	0.015	0.009	-0.16	77%	0.020	9.45	11.00	0.029	Battery 1#	/
Back Side	10mm	39/2441	DH5	0.019	0.011	-0.12	77%	0.024	9.45	11.00	0.035	Battery 1#	/
Right Side	10mm	39/2441	DH5	0.015	0.006	-0.19	77%	0.019	9.45	11.00	0.027	Battery 1#	/
Top Side	10mm	39/2441	DH5	0.027	0.015	-0.12	77%	0.035	9.45	11.00	0.050	Battery 1#	/
Top Side	10mm	39/2441	DH5	0.028	0.015	-0.13	77%	0.036	9.45	11.00	0.051	Battery 2#	/
Top Side	10mm	11/2413	DH5	0.025	0.014	-0.11	77%	0.032	9.08	11.00	0.050	Battery 2#	/
Top Side	10mm	67/2469	DH5	0.027	0.015	-0.18	77%	0.034	9.29	11.00	0.051	Battery 2#	/
Test data for power level A													
Front Side	10mm	22/2424	DH5	0.099	0.059	-0.10	77%	0.129	15.68	17.01	0.175	Battery 1#	/
Back Side	10mm	22/2424	DH5	0.123	0.071	-0.16	77%	0.160	15.68	17.01	0.217	Battery 1#	/
Right Side	10mm	22/2424	DH5	0.097	0.041	0.09	77%	0.125	15.68	17.01	0.170	Battery 1#	/
Top Side	10mm	22/2424	DH5	0.257	0.141	-0.11	77%	0.334	15.68	17.01	0.453	Battery 1#	Yes
Top Side	10mm	22/2424	DH5	0.195	0.106	-0.12	77%	0.253	15.68	17.01	0.344	Battery 2#	/
Top Side	10mm	11/2413	DH5	0.167	0.090	0.06	77%	0.217	16.02	17.01	0.272	Battery 1#	/
Top Side	10mm	32/2434	DH5	0.204	0.109	0.17	77%	0.265	15.18	17.01	0.404	Battery 1#	/
Top Side	10mm	11/2413	DH5	0.073	0.039	-0.13	77%	0.095	16.02	17.01	0.119	With Wireless Charging Cover	/
Top Side	10mm	22/2424	DH5	0.138	0.071	0.16	77%	0.179	15.68	17.01	0.243	Battery 1#	ELE-L29m
Top Side	10mm	22/2424	DH5	0.101	0.056	-0.12	77%	0.131	15.68	17.01	0.178	Wireless Charging Cover	ELE-L29m

Table 189: Hotspot SAR test results of BT

Per KDB648474 D04, when hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; However, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold:

Note: According to the table above, Product Specific 10-g SAR test is not required for this frequency band.

7.3 Multiple Transmitter Evaluation

The detailed location of the Tx antennas inside the device refers to Appendix E.

The list information of following tables which is relevant for the decision if a simultaneous transmit evaluation is necessary according to FCC KDB 447498 D01 General RF Exposure Guidance.

Mode	Exposure Condition	Front Side	Back Side	Left Side	Right Side	Top Side	Bottom Side
MHB Main Ant (Ant 1)	Hotspot/ Product specific 10g SAR	Yes	Yes	No	Yes	No	Yes
LB Main Ant (Ant 2)	Hotspot/ Product specific 10g SAR	Yes	Yes	Yes	No	No	Yes
Up MHB Ant (Ant 3)	Hotspot/ Product specific 10g SAR	Yes	Yes	Yes	No	Yes	No
Up LB Ant (Ant 4)	Hotspot/ Product specific 10g SAR	Yes	Yes	Yes	Yes	Yes	No
WiFi 2.4G/5G Core 0/BT Ant (Ant 5)	Hotspot/ Product specific 10g SAR	Yes	Yes	No	Yes	Yes	No
WiFi 2.4G/5G Core 1 (Ant 6)	Hotspot/ Product specific 10g SAR	Yes	Yes	Yes	No	Yes	No
WiFi 2.4G/5G CDD/MIMO	Hotspot/ Product specific 10g SAR	Yes	Yes	Yes	Yes	Yes	No

Table 190: Sides for Hotspot/Product specific 10g SAR testing

Note:

- 1) Per KDB 648474 D04, because the diagonal distance of this device is $\geq 160\text{mm}$, so it is a phablet.
- 2) Per KDB 941225 D06 and KDB 648474 D04, particular DUT edges were not required to be evaluated for Hotspot SAR if the antenna-to-edge distance is greater than 2.5cm;
- 3) WiFi 2.4G CDD/MIMO does not support hotspot function, therefore WiFi 2.4G CDD/MIMO were not evaluated for hotspot SAR.

7.3.1 Simultaneous Transmission Possibilities

The Simultaneous Transmission Possibilities of this device are as below:

NO.	Simultaneous TX Combination	Head	Body-worn	Hotspot	Product Specific 10-g (0mm)
1	GSM Voice(Ant 1or 2) + BT	Yes	Yes	N/A	Yes
2	GSM DATA(Ant 1or 2) + BT	N/A	Yes	Yes	Yes
3	GSM Voice(Ant 3or 4) + BT	Yes	Yes	N/A	Yes
4	GSM DATA (Ant 3or 4)+ BT	N/A	Yes	Yes	Yes
5	GSM Voice(Ant 1or 2) + Wi-Fi 2.4G (Ant 5)/ Wi-Fi 2.4G (Ant 6)/ Wi-Fi 2.4G CDD/MIMO	Yes	Yes	N/A	Yes
6	GSM DATA(Ant 1or2) + Wi-Fi 2.4G (Ant 5)/ Wi-Fi 2.4G (Ant 6)/ Wi-Fi 2.4G CDD/MIMO	N/A	Yes	Yes	Yes
7	GSM Voice(Ant 3or4) + Wi-Fi 2.4G (Ant 5)/ Wi-Fi 2.4G (Ant 6)/ Wi-Fi 2.4G CDD/MIMO	Yes	Yes	N/A	Yes
8	GSM DATA (Ant 3or 4)+ Wi-Fi 2.4G (Ant 5)/ Wi-Fi 2.4G (Ant 6)/ Wi-Fi 2.4G CDD/MIMO	N/A	Yes	Yes	Yes
9	UMTS (Ant 1 or 2) + BT	Yes	Yes	Yes	Yes
10	UMTS (Ant 3 or 4) + BT	Yes	Yes	Yes	Yes
11	UMTS (Ant 1 or 2) + Wi-Fi 2.4G (Ant 5)/ Wi-Fi 2.4G (Ant 6)/ Wi-Fi 2.4G CDD/MIMO	Yes	Yes	Yes	Yes
12	UMTS (Ant 3or4) + Wi-Fi 2.4G (Ant 5)/ Wi-Fi 2.4G (Ant 6)/ Wi-Fi 2.4G CDD/MIMO	Yes	Yes	Yes	Yes
13	LTE (Ant 1or2) + Wi-Fi 2.4G (Ant 5)/ Wi-Fi 2.4G (Ant 6)/ Wi-Fi 2.4G CDD/MIMO	Yes	Yes	Yes	Yes
14	LTE(Ant 1or2) + BT	Yes	Yes	Yes	Yes
15	LTE (Ant 3or4) + Wi-Fi 2.4G (Ant 5)/ Wi-Fi 2.4G (Ant 6)/ Wi-Fi 2.4G CDD/MIMO	Yes	Yes	Yes	Yes
16	LTE (Ant 3or4) + BT	Yes	Yes	Yes	Yes
17	GSM Voice(Ant 1or2) + BT+ Wi-Fi 2.4G (Ant 6)	Yes	Yes	N/A	Yes
18	GSM DATA(Ant 1or2) + BT+ Wi-Fi 2.4G (Ant 6)	N/A	Yes	Yes	Yes
19	GSM Voice(Ant 3or4) + BT+ Wi-Fi 2.4G (Ant 6)	Yes	Yes	N/A	Yes
20	GSM DATA (Ant 3or4)+ BT+ Wi-Fi 2.4G (Ant 6)	N/A	Yes	Yes	Yes
21	UMTS (Ant 1or2) + BT+ Wi-Fi 2.4G (Ant 6)	Yes	Yes	Yes	Yes
22	UMTS (Ant 3or4) + BT+ Wi-Fi 2.4G (Ant 6)	Yes	Yes	Yes	Yes
23	LTE (Ant 1or2) + BT+ Wi-Fi 2.4G (Ant 6)	Yes	Yes	Yes	Yes
24	LTE (Ant 3or4) + BT+ Wi-Fi 2.4G (Ant 6)	Yes	Yes	Yes	Yes
25	GSM Voice(Ant 1or 2) + Wi-Fi 5G (Ant 5)/ Wi-Fi 5G (Ant 6)/ Wi-Fi 5G CDD/MIMO	Yes	Yes	N/A	Yes
26	GSM DATA(Ant 1 or 2) + Wi-Fi 5G (Ant 5)/ Wi-Fi 5G (Ant 6)/ Wi-Fi 5G CDD/MIMO	N/A	Yes	Yes	Yes
27	GSM Voice(Ant 3 or 4) + Wi-Fi 5G (Ant 5)/ Wi-Fi 5G (Ant 6)/ Wi-Fi 5G CDD/MIMO	Yes	Yes	N/A	Yes
28	GSM DATA(Ant 3 or 4) + Wi-Fi 5G (Ant 5(Core 0))/ Wi-Fi 5G (Ant 6)/ Wi-Fi 5G CDD/MIMO	N/A	Yes	Yes	Yes
29	UMTS (Ant 1 or 2) + Wi-Fi 5G (Ant 5)/ Wi-Fi 5G (Ant 6)/ Wi-Fi 5G CDD/MIMO	Yes	Yes	Yes	Yes
30	UMTS (Ant 3 or 4) + Wi-Fi 5G (Ant 5)/ Wi-Fi 5G (Ant 6)/ Wi-Fi 5G CDD/MIMO	Yes	Yes	Yes	Yes

31	LTE (Ant 1 or 2) + Wi-Fi 5G (Ant 5)/ Wi-Fi 5G (Ant 6)/ Wi-Fi 5G CDD/MIMO	Yes	Yes	Yes	Yes
32	LTE (Ant 3 or 4) + Wi-Fi 5G (Ant 5)/ Wi-Fi 5G (Ant 6)/ Wi-Fi 5G CDD/MIMO	Yes	Yes	Yes	Yes
33	GSM Voice(Ant 1or2) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)	Yes	Yes	N/A	Yes
34	GSM DATA(Ant 1 or 2) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)	N/A	Yes	Yes	Yes
35	GSM Voice(Ant 3or4) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)	Yes	Yes	N/A	Yes
36	GSM DATA(Ant 3or4) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)	N/A	Yes	Yes	Yes
37	UMTS (Ant 1or2) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)	Yes	Yes	Yes	Yes
38	UMTS (Ant 3or4) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)	Yes	Yes	Yes	Yes
39	LTE (Ant 1or2) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)	Yes	Yes	Yes	Yes
40	LTE (Ant 3or4) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)	Yes	Yes	Yes	Yes
41	GSM Voice(Ant 1or2) + BT+ Wi-Fi 5G (Ant 5/Ant 6/ CDD/MIMO)	Yes	Yes	N/A	Yes
42	GSM DATA(Ant 1or2) + BT+ Wi-Fi 5G (Ant 5/Ant 6/ CDD/MIMO)	N/A	Yes	Yes	Yes
43	GSM Voice(Ant 3or4) + BT+ Wi-Fi 5G (Ant 5/Ant 6/ CDD/MIMO)	Yes	Yes	N/A	Yes
44	GSM DATA (Ant 3or4)+ BT+ Wi-Fi 5G (Ant 5/Ant 6/CDD/MIMO)	N/A	Yes	Yes	Yes
45	UMTS (Ant 1or2) + BT+ Wi-Fi 5G (Ant 5/Ant 6/ CDD/MIMO)	Yes	Yes	Yes	Yes
46	UMTS (Ant 3or4) + BT+ Wi-Fi 5G (Ant 5/Ant 6/CDD/MIMO)	Yes	Yes	Yes	Yes
47	LTE (Ant 1or2) + BT+ Wi-Fi 5G (Ant 5/ Ant 6/ CDD/MIMO)	Yes	Yes	Yes	Yes
48	LTE (Ant 3or4) + BT+ Wi-Fi 5G (Ant 5/ Ant 6/ CDD/MIMO)	Yes	Yes	Yes	Yes
49	GSM DATA(Ant 1or2)+Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)+ BT	Yes	Yes	N/A	Yes
50	GSM DATA(Ant 3or4) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)+BT	N/A	Yes	Yes	Yes
51	GSM Voice ((Ant 1or2) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)+ BT	Yes	Yes	N/A	Yes
52	GSM Voice (Ant 3or4) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)+BT	N/A	Yes	Yes	Yes
53	UMTS (Ant 1or2) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)+BT	Yes	Yes	Yes	Yes
54	UMTS (Ant 3or4) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)+BT	Yes	Yes	Yes	Yes
55	LTE (Ant 1or2) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)+BT	Yes	Yes	Yes	Yes
56	LTE (Ant 3or4) + Wi-Fi 2.4G (Ant 6) + Wi-Fi 5G (Ant 5)+BT	Yes	Yes	Yes	Yes

Table 191: Simultaneous Transmission Possibilities

Note:

1) Wi-Fi 2.4G Ant6(Core1) can transmit simultaneously with Bluetooth.

- 2) Wi-Fi 5G Ant5(Core0) can transmit simultaneously with Bluetooth and Ant6(Core1) also can transmit simultaneously with Bluetooth.
- 3) Wi-Fi 2.4G has two TX antennas. Wi-Fi 2.4G 802.11g/n support 2*2 CDD/MIMO function.
- 4) Wi-Fi 5G has two TX antennas. Wi-Fi 5G 802.11 a/n/ac support 2*2 CDD/MIMO function.
- 5) Wi-Fi 2.4G& Wi-Fi 5G can't work at same mode, but they can transmit simultaneously at different modes (Wi-Fi station/P-to-P) by using different Wi-Fi antennas. Only Wi-Fi 2.4G Ant6(Core1) station mode and Wi-Fi 5G Ant5(Core0) P-to-P mode or Wi-Fi 2.4G Ant6(Core1) P-to-P mode and Wi-Fi 5G Ant5(Core0) station mode can transmit simultaneously.
- 6) The device does not support DTM function.
- 7) * VoLTE or pre-installed VOIP applications are considered.
- 8) The Main Antenna (Ant1&2) and Second Antenna (Ant 3&4) can't transmit simultaneously.
- 9) For Wi-Fi 5G, U-NII-2A (5250-5350 MHz) and U-NII-2C (5470-5725 MHz) bands does not support hotspot function.
- 10) The device supports Vo-WIFI function.
- 11) WiFi 2.4G hotspot does not support CDD/MIMO mode.
- 12) Ant 5=WiFi Core 0/ BT; Ant 6 = WiFi Core 1.

The simultaneous transmission possibilities for BT at lower power level B and high power level A are different. The simultaneous transmission possibilities for BT high power level A is as below table:

NO.	Simultaneous TX Combination	Head	Body- worn	Hotspot	Product Specific 10-g (0mm)
1	GSM Voice(Ant 1or 2) + BT	N/A	Yes	N/A	Yes
2	GSM DATA(Ant 1or 2) + BT	N/A	Yes	Yes	Yes
3	GSM Voice(Ant 3or 4) + BT	N/A	Yes	N/A	Yes
4	GSM DATA (Ant 3or 4)+ BT	N/A	Yes	Yes	Yes
5	UMTS (Ant 1 or 2) + BT	N/A	Yes	Yes	Yes
6	UMTS (Ant 1or 2) + BT	N/A	Yes	Yes	Yes
7	LTE(Ant 1or2) + BT	N/A	Yes	Yes	Yes
8	LTE (Ant 3or4) + BT	N/A	Yes	Yes	Yes
9	GSM Voice(Ant 1or2) + BT+ Wi-Fi 2.4G (Ant 6)	N/A	Yes	N/A	Yes
10	GSM DATA(Ant 1or2) + BT+ Wi-Fi 2.4G (Ant 6)	N/A	Yes	Yes	Yes
11	GSM Voice(Ant 3or4) + BT+ Wi-Fi 2.4G (Ant 6)	N/A	Yes	N/A	Yes
12	GSM DATA (Ant 3or4)+ BT+ Wi-Fi 2.4G (Ant 6)	N/A	Yes	Yes	Yes
13	UMTS (Ant 1or2) + BT+ Wi-Fi 2.4G (Ant 6)	N/A	Yes	Yes	Yes
14	UMTS (Ant 3or4) + BT+ Wi-Fi 2.4G (Ant 6)	N/A	Yes	Yes	Yes
15	LTE (Ant 1or2) + BT+ Wi-Fi 2.4G (Ant 6)	N/A	Yes	Yes	Yes
16	LTE (Ant 3or4) + BT+ Wi-Fi 2.4G (Ant 6)	N/A	Yes	Yes	Yes
17	GSM Voice(Ant 1or2) + BT+ Wi-Fi 5G (Ant 6)	N/A	Yes	N/A	Yes
18	GSM DATA(Ant 1or2) + BT+ Wi-Fi 5G (Ant 6)	N/A	Yes	Yes	Yes
19	GSM Voice(Ant 3or4) + BT+ Wi-Fi 5G (Ant 6)	N/A	Yes	N/A	Yes
20	GSM DATA (Ant 3or4)+ BT+ Wi-Fi 5G (Ant 6)	N/A	Yes	Yes	Yes
21	UMTS (Ant 1or2) + BT+ Wi-Fi 5G (Ant 6)	N/A	Yes	Yes	Yes

22	UMTS (Ant 3or4) + BT+ Wi-Fi 5G (Ant 6)	N/A	Yes	Yes	Yes
23	LTE (Ant 1or2) + BT+ Wi-Fi 5G (Ant 6)	N/A	Yes	Yes	Yes
24	LTE (Ant 3or4) + BT+ Wi-Fi 5G (Ant 6)	N/A	Yes	Yes	Yes

Table 192: Simultaneous Transmission Possibilities with BT Power Level A

1) When BT is in high power level A, BT and Wi-Fi 5G Ant 5(Core 0)/WIFI 5G CDD/MIMO cannot transmit simultaneously because BT occupies Wifi 5G Ant 5(Core 0) 's RF channel. They are time division multiplexing.

2) When WiFi 2.4G and 5G are both on at the same time, BT can only work at power B. BT High Power A will be limited by design.

3) Ant5=WiFi Core 0/BT; Ant6=WiFi Core 1.

7.3.2 SAR Summation Scenario

Test Position		GSM 850	GSM 1900	UMTS Band II	UMTS Band IV	UMTS Band V	LTE B2	LTE B4	LTE B5	LTE B7	LTE B12	LTE B26	LTE B38	LTE B41	Second antenna MaxSAR
Head	Left cheek	0.648	0.392	0.187	0.244	0.331	0.243	0.240	0.321	0.359	0.394	0.477	0.360	0.408	0.648
	Left tilt	0.344	0.496	0.253	0.326	0.247	0.364	0.365	0.271	0.408	0.317	0.338	0.284	0.313	0.496
	Right cheek	0.412	0.527	0.303	0.436	0.496	0.358	0.417	0.557	0.670	0.543	0.442	0.762	0.579	0.762
	Right tilt	0.433	0.633	0.392	0.903	0.535	0.530	0.704	0.411	0.641	0.393	0.375	0.463	0.475	0.903
Body Worn	Front Side	0.145	0.070	0.093	0.086	0.251	0.091	0.083	0.282	0.069	0.257	0.256	0.073	0.071	0.282
	Back Side	0.228	0.118	0.136	0.130	0.274	0.136	0.127	0.260	0.288	0.224	0.274	0.247	0.233	0.288
Hotspot	Front Side	0.191	0.101	0.061	0.072	0.191	0.069	0.073	0.169	0.087	0.209	0.207	0.054	0.049	0.209
	Back Side	0.307	0.138	0.086	0.087	0.254	0.094	0.084	0.207	0.254	0.243	0.260	0.197	0.212	0.307
	Left Side	0.081	0.044	0.026	0.027	0.102	0.027	0.023	0.076	0.091	0.063	0.089	0.052	0.043	0.102
	Right Side	0.012	/	/	/	0.018	0.009	/	0.011	/	0.024	0.014	/	/	0.024
	Top Side	0.135	0.261	0.186	0.208	0.169	0.198	0.198	0.086	0.190	0.144	0.120	0.099	0.079	0.261
	Bottom Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Product Specific 10-g	Front Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Back Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Left Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Right Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Top Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Bottom Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/

Table 193: Second antenna Max SAR

Test Position		GSM 850	GSM 1900	UMTS Band II	UMTS Band IV	UMTS Band V	LTE B2	LTE B4	LTE B5	LTE B7	LTE B12	LTE B26	LTE B38	LTE B41	Main antenna MaxSAR
Head	Left cheek	0.104	0.068	0.142	0.215	0.102	0.132	0.148	0.100	0.104	0.135	0.093	0.029	0.042	0.215
	Left tilt	0.050	0.044	0.093	0.116	0.058	0.084	0.105	0.053	0.068	0.066	0.059	0.026	0.029	0.116
	Right cheek	0.086	0.075	0.246	0.146	0.145	0.170	0.098	0.202	0.191	0.093	0.162	0.156	0.087	0.246
	Right tilt	0.039	0.036	0.082	0.090	0.051	0.079	0.093	0.053	0.020	0.047	0.051	0.015	0.016	0.093
Body Worn	Front Side	0.173	0.115	0.245	0.277	0.269	0.203	0.201	0.288	0.181	0.205	0.319	0.072	0.056	0.319
	Back Side	0.375	0.170	0.391	0.392	0.367	0.374	0.308	0.498	0.390	0.327	0.447	0.204	0.224	0.498
Hotspot	Front Side	0.380	0.222	0.244	0.346	0.336	0.241	0.285	0.350	0.163	0.322	0.295	0.110	0.109	0.380
	Back Side	0.683	0.321	0.331	0.449	0.538	0.331	0.393	0.535	0.322	0.501	0.583	0.265	0.288	0.683
	Left Side	0.367	/	/	/	0.317	/	/	0.215	0.045	0.476	0.271	/	/	0.476
	Right Side	/	0.127	0.176	0.252	/	0.142	0.199	/	0.082	/	/	0.051	0.048	0.252
	Top Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Bottom Side	0.349	0.425	0.524	0.589	0.350	0.672	0.516	0.271	0.459	0.172	0.287	0.455	0.539	0.672
Product Specific 10-g	Front Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Back Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Left Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Right Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Top Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Bottom Side	/	/	/	1.817	/	/	/	/	/	/	/	/	/	1.817

Table 194: Main antenna Max SAR

Test Position		Second antenna MaxSAR	WiFi 2.4G Ant 5 (Core 0)	WiFi 2.4G Ant 6 (Core 1)	WiFi 2.4G MIMO	WiFi 5G Ant 5 (Core 0)	WiFi 5G Ant 6 (Core 1)	WiFi 5G MIMO	BT Power Level B	Simultaneous Transmission SAR						
		1	2	3	4	5	6	7	8	1+8	1+max (2/3/4)	1+3+8	1+max (5/6/7)	1+3+5	1+max (5/6/7) +8	1+3+5 +8
Head	Left cheek	0.648	0.232	0.024	0.253	0.421	0.031	0.435	0.385	1.033	0.901	1.057	1.083	1.093	1.468	1.478
	Left tilt	0.496	0.320	0.024	0.322	0.627	0.014	0.633	0.139	0.635	0.818	0.659	1.129	1.147	1.268	1.286
	Right cheek	0.762	0.320	0.024	0.322	0.421	0.031	0.489	0.018	0.780	1.084	0.804	1.251	1.207	1.269	1.225
	Right tilt	0.903	0.320	0.024	0.160	0.287	0.031	0.300	0.069	0.972	1.223	0.996	1.203	1.214	1.272	1.283
Body Worn	Front side	0.282	0.114	0.097	0.177	0.150	0.082	0.124	0.022	0.304	0.459	0.401	0.432	0.529	0.454	0.551
	Back side	0.288	0.114	0.097	0.177	0.219	0.082	0.262	0.006	0.294	0.465	0.391	0.550	0.604	0.556	0.610
Hotspot	Front side	0.209	0.285	0.195	/	0.118	0.233	0.351	0.029	0.238	0.494	0.433	0.560	0.522	0.589	0.551
	Back side	0.307	0.146	0.195	/	0.114	0.233	0.229	0.035	0.342	0.502	0.537	0.540	0.616	0.575	0.651
	Left side	0.102	0.285	0.195	/	0.118	0.035	0.153	0.000	0.102	0.387	0.297	0.255	0.415	0.255	0.415
	Right side	0.024	0.285	0.195	/	0.118	0.233	0.351	0.027	0.051	0.309	0.246	0.375	0.337	0.402	0.364
	Top side	0.261	0.285	0.195	/	0.118	0.077	0.146	0.051	0.312	0.546	0.507	0.407	0.574	0.458	0.625
	Bottom side	/	0.285	0.195	/	0.118	0.233	/	/	/	0.285	0.195	0.233	0.313	0.233	0.313
Product Specific 10-g	Front side	/	0.727	0.042	0.769	0.626	0.557	0.856	/	/	0.769	0.042	0.856	0.668	0.856	0.668
	Back side	/	0.485	0.728	1.213	0.464	0.557	1.004	/	/	1.213	0.728	1.004	1.192	1.004	1.192
	Left side	/	0.044	0.218	0.262	1.506	0.557	2.046	/	/	0.262	0.218	2.046	1.724	2.046	1.724
	Right side	/	0.237	0.728	0.965	1.506	0.557	2.046	/	/	0.965	0.728	2.046	2.234	2.046	2.234
	Top side	/	1.264	0.054	1.318	1.506	0.044	1.540	/	/	1.318	0.054	1.540	1.560	1.540	1.560
	Bottom side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

Table 195: SAR Simultaneous Tx Combination of Second antenna with WiFi/BT Scenario (BT: Power level B)

Test Position		Main antenna MaxSAR	WiFi 2.4G Ant 5 (Core 0)	WiFi 2.4G Ant 6 (Core 1)	WiFi 2.4G MIMO	WiFi 5G Ant 5 (Core 0)	WiFi 5G Ant 6 (Core 1)	WiFi 5G MIMO	BT Power Level B	Simultaneous Transmission SAR						
		1	2	3	4	5	6	7	8	1+8	1+max (2/3/4)	1+3+8	1+max (5/6/7)	1+3+5	1+max (5/6/7) +8	1+3+5 +8
Head	Left cheek	0.215	0.232	0.024	0.253	0.421	0.031	0.435	0.385	0.600	0.468	0.624	0.650	0.660	1.035	1.045
	Left tilt	0.116	0.320	0.024	0.322	0.627	0.014	0.633	0.139	0.255	0.438	0.279	0.749	0.767	0.888	0.906
	Right cheek	0.246	0.320	0.024	0.322	0.421	0.031	0.489	0.018	0.264	0.568	0.288	0.735	0.691	0.753	0.709
	Right tilt	0.093	0.320	0.024	0.160	0.287	0.031	0.300	0.069	0.162	0.413	0.186	0.393	0.404	0.462	0.473
Body Worn	Front side	0.319	0.114	0.097	0.177	0.150	0.082	0.124	0.022	0.341	0.496	0.438	0.469	0.566	0.491	0.588
	Back side	0.498	0.114	0.097	0.177	0.219	0.082	0.262	0.006	0.504	0.675	0.601	0.760	0.814	0.766	0.820
Hotspot	Front side	0.380	0.285	0.195	/	0.118	0.233	0.351	0.029	0.409	0.665	0.604	0.731	0.693	0.760	0.722
	Back side	0.683	0.146	0.195	/	0.114	0.233	0.229	0.035	0.718	0.878	0.913	0.916	0.992	0.951	1.027
	Left side	0.476	0.285	0.195	/	0.118	0.035	0.153	0.000	0.476	0.761	0.671	0.629	0.789	0.629	0.789
	Right side	0.252	0.285	0.195	/	0.118	0.233	0.351	0.027	0.279	0.537	0.474	0.603	0.565	0.630	0.592
	Top side	/	0.285	0.195	/	0.118	0.077	0.146	0.051	0.051	0.285	0.246	0.146	0.313	0.197	0.364
	Bottom side	0.672	0.285	0.195	/	0.118	0.233	/	/	0.672	0.957	0.867	0.905	0.985	0.905	0.985
Product Specific 10-g	Front side	/	0.727	0.042	0.769	0.626	0.557	0.856	/	/	0.769	0.042	0.856	0.668	0.856	0.668
	Back side	/	0.485	0.728	1.213	0.464	0.557	1.004	/	/	1.213	0.728	1.004	1.192	1.004	1.192
	Left side	/	0.044	0.218	0.262	1.506	0.557	2.046	/	/	0.262	0.218	2.046	1.724	2.046	1.724
	Right side	/	0.237	0.728	0.965	1.506	0.557	2.046	/	/	0.965	0.728	2.046	2.234	2.046	2.234
	Top side	/	1.264	0.054	1.318	1.506	0.044	1.540	/	/	1.318	0.054	1.540	1.560	1.540	1.560
	Bottom side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

Table 196: SAR Simultaneous Tx Combination of Main antenna with WiFi/BT Scenario (BT: Power level B)

Test Position		Second Antenna MaxSAR	WiFi 2.4G Ant 5 (Core 0)	WiFi 2.4G Ant 6 (Core 1)	WiFi 2.4G MIMO	WiFi 5G Ant 5 (Core 0)	WiFi 5G Ant 6 (Core 1)	WiFi 5G MIMO	BT Power Level A	Simultaneous Transmission SAR				
		1	2	3	4	5	6	7	8	1+8	3+8	6+8	1+3+8	1+6+8
Body Worn	Front side	0.282	0.114	0.097	0.177	0.150	0.082	0.124	0.102	0.384	0.199	0.184	0.481	0.466
	Back side	0.288	0.114	0.097	0.177	0.219	0.082	0.262	0.102	0.390	0.199	0.184	0.487	0.472
Hotspot	Front side	0.209	0.285	0.195	/	0.118	0.233	0.351	0.175	0.384	0.370	0.408	0.579	0.617
	Back side	0.307	0.146	0.195	/	0.114	0.233	0.229	0.217	0.524	0.412	0.450	0.719	0.757
	Left side	0.102	0.285	0.195	/	0.118	0.035	0.153	0.000	0.102	0.195	0.035	0.297	0.137
	Right side	0.024	0.285	0.195	/	0.118	0.233	0.351	0.170	0.194	0.365	0.403	0.389	0.427
	Top side	0.261	0.285	0.195	/	0.118	0.077	0.146	0.453	0.714	0.648	0.530	0.909	0.791
	Bottom side	/	0.285	0.195	/	0.118	0.233	/	/	/	0.195	0.233	0.195	0.233
Product Specific 10-g	Front side	/	0.727	0.042	0.769	0.626	0.557	0.856	/	/	0.042	0.557	0.042	0.557
	Back side	/	0.485	0.728	1.213	0.464	0.557	1.004	/	/	0.728	0.557	0.728	0.557
	Left side	/	0.044	0.218	0.262	1.506	0.557	2.046	/	/	0.218	0.557	0.218	0.557
	Right side	/	0.237	0.728	0.965	1.506	0.557	2.046	/	/	0.728	0.557	0.728	0.557
	Top side	/	1.264	0.054	1.318	1.506	0.044	1.540	/	/	0.054	0.044	0.054	0.044
	Bottom side	/	/	/	/	/	/	/	/	/	/	/	/	/

Table 197: SAR Simultaneous Tx Combination of Second antenna with WiFi/BT Scenario (BT: Power level A)

Test Position		Main Antenna MaxSAR	WiFi 2.4G Ant 5 (Core 0)	WiFi 2.4G Ant 6 (Core 1)	WiFi 2.4G MIMO	WiFi 5G Ant 5 (Core 0)	WiFi 5G Ant 6 (Core 1)	WiFi 5G MIMO	BT Power Level A	Simultaneous Transmission SAR				
		1	2	3	4	5	6	7	8	1+8	3+8	6+8	1+3+8	1+6+8
Body Worn	Front side	0.319	0.114	0.097	0.177	0.150	0.082	0.124	0.102	0.421	0.199	0.184	0.518	0.503
	Back side	0.498	0.114	0.097	0.177	0.219	0.082	0.262	0.102	0.600	0.199	0.184	0.697	0.682
Hotspot	Front side	0.380	0.285	0.195	/	0.118	0.233	0.351	0.175	0.555	0.370	0.408	0.750	0.788
	Back side	0.683	0.146	0.195	/	0.114	0.233	0.229	0.217	0.900	0.412	0.450	1.095	1.133
	Left side	0.476	0.285	0.195	/	0.118	0.035	0.153	/	0.476	0.195	0.035	0.671	0.511
	Right side	0.252	0.285	0.195	/	0.118	0.233	0.351	0.170	0.422	0.365	0.403	0.617	0.655
	Top side	/	0.285	0.195	/	0.118	0.077	0.146	0.453	0.453	0.648	0.530	0.648	0.530
	Bottom side	0.672	0.285	0.195	/	0.118	0.233	/	/	0.672	0.195	0.233	0.867	0.905
Product Specific 10-g	Front side	/	0.727	0.042	0.769	0.626	0.557	0.856	/	/	0.042	0.557	0.042	0.557
	Back side	/	0.485	0.728	1.213	0.464	0.557	1.004	/	/	0.728	0.557	0.728	0.557
	Left side	/	0.044	0.218	0.262	1.506	0.557	2.046	/	/	0.218	0.557	0.218	0.557
	Right side	/	0.237	0.728	0.965	1.506	0.557	2.046	/	/	0.728	0.557	0.728	0.557
	Top side	/	1.264	0.054	1.318	1.506	0.044	1.540	/	/	0.054	0.044	0.054	0.044
	Bottom side	/	/	/	/	/	/	/	/	/	/	/	/	/

Table 198: SAR Simultaneous Tx Combination of Main antenna with WiFi/BT Scenario (BT: Power level A)

7.3.3 Simultaneous Transmission Conclusion

The above numeral summed SAR results and RF exposure ratio calculation results are sufficient to determine that simultaneous transmission RF exposure test exclusion applies per KDB 447498 D01.

Appendix A. System Check Plots

(Please See Appendix No.: SYBH(Z-SAR)20190401022001-2A, total: 41 pages)

Appendix B. SAR Measurement Plots

(Please See Appendix No.: SYBH(Z-SAR)20190401022001-2B, total: 98 pages)

Appendix C. Calibration Certificate

(Please See Appendix No.: SYBH(Z-SAR)20190401022001-2C, total: 213 pages)

Appendix D. Photo documentation

(Please See Appendix No.: SYBH(Z-SAR)20190401022001-2D, total: 8 pages)

Appendix E. Antenna Location

(Please See Appendix No.: SYBH(Z-SAR)20190401022001-2E, total: 1 page)

End