

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40065CH	40448CH	40832CH	41215CH
5MHz	QPSK	1	0	23.50	22.70	22.61	22.28	22.32
		1	13	23.50	22.70	22.61	22.33	22.51
		1	24	23.50	22.70	22.60	22.27	22.31
		12	0	22.50	21.71	21.50	21.28	21.58
		12	6	22.50	21.71	21.50	21.28	21.58
		12	13	22.50	21.76	21.50	21.27	21.58
		25	0	22.50	21.74	21.78	21.51	21.36
	16QAM	1	0	22.50	21.93	21.86	21.53	21.80
		1	13	22.50	21.98	21.85	21.54	21.80
		1	24	22.50	21.93	21.86	21.54	21.80
		12	0	21.50	20.81	20.57	20.34	20.50
		12	6	21.50	20.81	20.57	20.34	20.50
		12	13	21.50	20.82	20.57	20.34	20.50
		25	0	21.50	20.64	20.74	20.55	20.33
	64QAM	1	0	21.50	20.94	20.85	20.77	20.78
		1	13	21.50	20.95	20.85	20.53	20.78
		1	24	21.50	21.20	20.85	20.76	20.77
		12	0	20.50	19.80	19.58	19.63	19.55
		12	6	20.50	19.80	19.58	19.36	19.55
		12	13	20.50	19.80	19.58	19.36	19.55
		25	0	20.50	19.73	19.54	19.44	19.34
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
10MHz	QPSK	1	0	23.50	22.79	22.85	22.52	22.58
		1	25	23.50	22.80	22.90	22.93	22.53
		1	49	23.50	22.82	22.86	22.88	22.59
		25	0	22.50	21.71	21.64	21.32	21.46
		25	13	22.50	21.71	21.62	21.32	21.44
		25	25	22.50	21.70	21.61	21.31	21.44
		50	0	22.50	21.73	21.51	21.27	21.43
	16QAM	1	0	22.50	21.92	21.57	21.52	21.47
		1	25	22.50	21.81	21.70	21.66	21.63
		1	49	22.50	22.00	21.59	21.51	21.63
		25	0	21.50	20.69	20.58	20.34	20.41
		25	13	21.50	20.68	20.50	20.34	20.40
		25	25	21.50	20.66	20.59	20.34	20.46
		50	0	21.50	20.62	20.70	20.54	20.38
	64QAM	1	0	21.50	20.51	20.44	20.47	20.56
		1	25	21.50	20.60	20.55	20.46	20.57
		1	49	21.50	20.59	20.55	20.47	20.74
		25	0	20.50	19.70	19.52	19.33	19.44
		25	13	20.50	19.70	19.52	19.33	19.41
		25	25	20.50	19.65	19.54	19.34	19.41
		50	0	20.50	19.66	19.70	19.47	19.45
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40090CH	40457CH	40823CH	41190CH

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40115CH	40465CH	40815CH	41165CH
15MHz	QPSK	1	0	23.50	22.98	22.71	22.66	22.67
		1	38	23.50	22.97	22.72	22.66	22.67
		1	74	23.50	22.97	22.65	22.66	22.66
		36	0	22.50	21.78	21.62	21.39	21.55
		36	18	22.50	21.77	21.62	21.39	21.49
		36	39	22.50	21.77	21.62	21.39	21.50
		75	0	22.50	21.82	21.76	21.62	21.48
	16QAM	1	0	22.50	22.49	21.92	21.98	21.64
		1	38	22.50	22.00	21.84	21.93	21.65
		1	74	22.50	22.03	21.92	21.93	21.64
		36	0	21.50	20.72	20.56	20.58	20.51
		36	18	21.50	20.78	20.56	20.39	20.62
		36	39	21.50	20.72	20.63	20.39	20.62
		75	0	21.50	20.60	20.66	20.52	20.45
	64QAM	1	0	21.50	20.66	20.59	20.42	20.76
		1	38	21.50	20.58	20.59	20.42	20.73
		1	74	21.50	20.66	20.59	20.42	20.76
		36	0	20.50	19.63	19.49	19.47	19.49
		36	18	20.50	19.63	19.49	19.47	19.49
		36	39	20.50	19.63	19.49	19.47	19.40
		75	0	20.50	19.65	19.72	19.55	19.44
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
20MHz	QPSK	1	0	23.50	22.69	22.78	22.35	22.40
		1	50	23.50	22.69	22.77	22.34	22.41
		1	99	23.50	22.71	22.77	22.34	22.47
		50	0	22.50	21.80	21.97	21.42	21.62
		50	25	22.50	21.80	21.96	21.41	21.61
		50	50	22.50	21.81	21.96	21.41	21.61
		100	0	22.50	21.81	21.78	21.65	21.50
	16QAM	1	0	22.50	21.92	22.10	21.60	21.57
		1	50	22.50	21.83	22.09	21.50	21.56
		1	99	22.50	21.86	22.02	21.61	21.56
		50	0	21.50	20.75	20.56	20.34	20.52
		50	25	21.50	20.75	20.90	20.34	20.51
		50	50	21.50	20.73	20.92	20.34	20.51
		100	0	21.50	20.66	20.80	20.57	20.41
	64QAM	1	0	21.50	20.84	20.99	20.56	20.63
		1	50	21.50	20.96	20.99	20.56	20.60
		1	99	21.50	20.83	21.00	20.56	20.61
		50	0	20.50	19.77	19.59	19.38	19.52
		50	25	20.50	19.76	19.59	19.39	19.52
		50	50	20.50	19.76	19.59	19.37	19.53
		100	0	20.50	19.73	19.64	19.62	19.49

Table 98: Conducted power measurement results 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	16.50	15.85	15.79	15.54	15.59
		1	13	16.50	15.84	15.79	15.59	15.59
		1	24	16.50	15.84	15.78	15.54	15.59
		12	0	16.50	15.86	15.73	15.42	15.64
		12	6	16.50	15.85	15.74	15.43	15.63
		12	13	16.50	15.84	15.73	15.43	15.63
		25	0	16.50	15.84	15.64	15.62	15.45
	16QAM	1	0	16.50	16.02	15.97	15.79	15.93
		1	13	16.50	16.04	15.94	15.79	15.94
		1	24	16.50	16.02	15.97	15.79	15.94
		12	0	16.50	15.94	15.82	15.51	15.75
		12	6	16.50	15.94	15.83	15.52	15.74
		12	13	16.50	15.94	15.83	15.52	15.74
		25	0	16.50	15.84	15.59	15.65	15.44
	64QAM	1	0	16.50	16.23	15.94	15.72	15.90
		1	13	16.50	16.23	15.94	15.76	15.90
		1	24	16.50	16.23	15.94	15.71	15.90
		12	0	16.50	15.95	15.82	15.75	15.68
		12	6	16.50	15.95	15.82	15.53	15.68
		12	13	16.50	15.95	15.82	15.75	15.69
		25	0	16.50	15.81	15.72	15.56	15.50
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
10MHz	QPSK	1	0	16.50	15.94	15.93	15.66	15.74
		1	25	16.50	15.99	15.86	15.78	15.40
		1	49	16.50	15.78	15.90	15.82	15.88
		25	0	16.50	15.81	15.71	15.56	15.63
		25	13	16.50	15.81	15.70	15.55	15.60
		25	25	16.50	15.81	15.69	15.54	15.66
		50	0	16.50	15.83	15.62	15.43	15.62
	16QAM	1	0	16.50	15.97	15.92	15.47	15.86
		1	25	16.50	16.00	15.83	15.46	15.56
		1	49	16.50	15.88	15.83	15.61	15.76
		25	0	16.50	15.85	15.68	15.57	15.61
		25	13	16.50	15.84	15.78	15.57	15.61
		25	25	16.50	15.83	15.64	15.57	15.63
		50	0	16.50	15.77	15.57	15.62	15.50
	64QAM	1	0	16.50	15.68	15.66	15.39	15.65
		1	25	16.50	15.69	15.67	15.38	15.60
		1	49	16.50	15.66	15.67	15.38	15.83
		25	0	16.50	15.80	15.75	15.55	15.68
		25	13	16.50	15.80	15.75	15.55	15.62
		25	25	16.50	15.80	15.76	15.55	15.63
		50	0	16.50	15.81	15.57	15.60	15.55

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40115CH	40465CH	40815CH	41165CH
15MHz	QPSK	1	0	16.50	16.03	16.06	15.82	15.78
		1	38	16.50	16.02	16.05	15.82	15.79
		1	74	16.50	16.03	16.04	15.82	15.79
		36	0	16.50	15.90	15.85	15.65	15.69
		36	18	16.50	15.89	15.85	15.65	15.66
		36	39	16.50	15.89	15.85	15.65	15.66
		75	0	16.50	15.93	15.65	15.72	15.63
	16QAM	1	0	16.50	16.32	16.06	15.92	15.72
		1	38	16.50	16.28	16.18	15.94	15.72
		1	74	16.50	16.06	16.06	15.90	15.72
		36	0	16.50	15.89	15.84	15.59	15.67
		36	18	16.50	15.93	15.84	15.66	15.71
		36	39	16.50	15.89	15.74	15.67	15.72
		75	0	16.50	15.70	15.57	15.62	15.60
	64QAM	1	0	16.50	15.75	15.66	15.42	15.76
		1	38	16.50	15.71	15.72	15.41	15.77
		1	74	16.50	15.74	15.72	15.41	15.91
		36	0	16.50	15.78	15.71	15.66	15.62
		36	18	16.50	15.78	15.71	15.66	15.63
		36	39	16.50	15.78	15.72	15.67	15.59
		75	0	16.50	15.76	15.78	15.66	15.64
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
20MHz	QPSK	1	0	16.50	15.72	15.76	15.66	15.62
		1	50	16.50	15.74	15.97	15.65	15.61
		1	99	16.50	15.77	15.76	15.65	15.60
		50	0	16.50	15.94	15.84	15.68	15.72
		50	25	16.50	15.94	15.85	15.68	15.72
		50	50	16.50	15.94	15.84	15.68	15.72
		100	0	16.50	15.92	15.66	15.74	15.67
	16QAM	1	0	16.50	15.97	15.94	15.64	15.82
		1	50	16.50	15.91	15.93	15.68	15.82
		1	99	16.50	15.89	15.85	15.64	15.81
		50	0	16.50	15.89	15.80	15.60	15.67
		50	25	16.50	15.89	15.83	15.61	15.66
		50	50	16.50	15.89	15.83	15.61	15.67
		100	0	16.50	15.81	15.56	15.68	15.63
	64QAM	1	0	16.50	15.90	15.96	15.67	15.85
		1	50	16.50	15.89	15.95	15.67	15.78
		1	99	16.50	15.89	15.94	15.67	15.84
		50	0	16.50	15.91	15.78	15.63	15.65
		50	25	16.50	15.91	15.78	15.64	15.66
		50	50	16.50	15.91	15.79	15.64	15.69
		100	0	16.50	15.92	15.85	15.71	15.67
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40140CH	40473CH	40807CH	41140CH

Table 99: Conducted power measurement results of LTE Band 41 (Reduced Power Level D3)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40065CH	40448CH	40832CH	41215CH
5MHz	QPSK	1	0	21.50	20.85	20.68	20.42	20.33
		1	13	21.50	20.84	20.67	20.54	20.60
		1	24	21.50	20.84	20.69	20.42	20.33
		12	0	21.50	20.82	20.64	20.38	20.60
		12	6	21.50	20.82	20.64	20.38	20.59
		12	13	21.50	20.81	20.64	20.39	20.60
		25	0	21.50	20.84	20.82	20.59	20.34
	16QAM	1	0	21.50	20.99	20.84	20.65	20.89
		1	13	21.50	21.02	20.76	20.65	20.89
		1	24	21.50	20.99	20.84	20.65	20.89
		12	0	21.50	20.80	20.57	20.34	20.51
		12	6	21.50	20.80	20.58	20.34	20.51
		12	13	21.50	20.75	20.58	20.34	20.51
		25	0	21.50	20.64	20.69	20.55	20.32
	64QAM	1	0	21.50	20.95	20.86	20.77	20.78
		1	13	21.50	20.95	20.86	20.53	20.78
		1	24	21.50	21.14	20.85	20.77	20.78
		12	0	20.50	19.80	19.58	19.63	19.56
		12	6	20.50	19.80	19.58	19.36	19.56
		12	13	20.50	19.80	19.59	19.37	19.56
		25	0	20.50	19.74	19.54	19.44	19.33
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40090CH	40457CH	40823CH	41190CH
10MHz	QPSK	1	0	21.50	20.96	20.87	20.74	20.65
		1	25	21.50	20.97	20.86	20.71	20.60
		1	49	21.50	20.80	20.69	20.74	20.63
		25	0	21.50	20.75	20.61	20.42	20.55
		25	13	21.50	20.75	20.60	20.42	20.53
		25	25	21.50	20.75	20.59	20.43	20.51
		50	0	21.50	20.84	20.49	20.37	20.51
	16QAM	1	0	21.50	20.94	20.69	20.63	20.73
		1	25	21.50	21.07	20.67	20.63	20.44
		1	49	21.50	21.13	20.68	20.62	20.64
		25	0	21.50	20.69	20.57	20.34	20.41
		25	13	21.50	20.68	20.51	20.34	20.41
		25	25	21.50	20.67	20.59	20.34	20.46
		50	0	21.50	20.63	20.71	20.54	20.41
	64QAM	1	0	21.50	20.52	20.47	20.47	20.57
		1	25	21.50	20.60	20.56	20.47	20.58
		1	49	21.50	20.60	20.56	20.47	20.68
		25	0	20.50	19.70	19.52	19.34	19.44
		25	13	20.50	19.67	19.52	19.31	19.41
		25	25	20.50	19.68	19.54	19.33	19.42
		50	0	20.50	19.67	19.71	19.48	19.45

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40115CH	40465CH	40815CH	41165CH
15MHz	QPSK	1	0	21.50	20.87	21.04	20.61	20.65
		1	38	21.50	20.90	21.03	20.95	20.65
		1	74	21.50	20.89	20.93	20.94	20.65
		36	0	21.50	20.83	20.71	20.51	20.64
		36	18	21.50	20.82	20.71	20.51	20.46
		36	39	21.50	20.82	20.71	20.51	20.46
		75	0	21.50	20.90	20.83	20.69	20.49
	16QAM	1	0	21.50	20.93	20.92	20.82	20.67
		1	38	21.50	20.98	21.00	21.07	20.68
		1	74	21.50	20.96	20.92	21.06	20.67
		36	0	21.50	20.72	20.57	20.58	20.53
		36	18	21.50	20.78	20.57	20.40	20.63
		36	39	21.50	20.72	20.64	20.40	20.62
		75	0	21.50	20.59	20.67	20.53	20.45
	64QAM	1	0	21.50	20.67	20.60	20.42	20.37
		1	38	21.50	20.58	20.59	20.43	20.74
		1	74	21.50	20.67	20.60	20.42	20.77
		36	0	20.50	19.63	19.49	19.47	19.50
		36	18	20.50	19.63	19.49	19.47	19.49
		36	39	20.50	19.63	19.49	19.48	19.40
		75	0	20.50	19.65	19.73	19.56	19.45
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
20MHz	QPSK	1	0	21.50	20.77	20.93	20.47	20.61
		1	50	21.50	20.77	20.93	20.47	20.61
		1	99	21.50	20.77	20.94	20.47	20.65
		50	0	21.50	20.85	21.02	20.54	20.57
		50	25	21.50	20.86	21.03	20.54	20.57
		50	50	21.50	20.85	21.02	20.54	20.57
		100	0	21.50	20.94	20.87	20.71	20.52
	16QAM	1	0	21.50	20.55	21.08	20.78	20.63
		1	50	21.50	20.92	21.08	20.42	20.63
		1	99	21.50	20.89	21.15	20.78	20.62
		50	0	21.50	20.74	20.54	20.34	20.52
		50	25	21.50	20.75	20.94	20.34	20.52
		50	50	21.50	20.74	20.56	20.35	20.52
		100	0	21.50	20.66	20.66	20.58	20.42
	64QAM	1	0	21.50	20.85	20.90	20.56	20.61
		1	50	21.50	20.97	20.90	20.56	20.60
		1	99	21.50	20.84	20.90	20.56	20.60
		50	0	20.50	19.75	19.60	19.39	19.53
		50	25	20.50	19.76	19.59	19.40	19.53
		50	50	20.50	19.76	19.60	19.40	19.53
		100	0	20.50	19.73	19.63	19.63	19.49

Table 100: Conducted power measurement results of LTE Band 41 (Reduced Power Level D2)

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	25.00	24.28	24.09	24.13	24.34
		1	13	25.00	24.27	24.20	24.13	24.34
		1	24	25.00	24.27	24.20	24.13	24.16
		12	0	24.00	23.26	23.17	23.15	23.35
		12	6	24.00	23.25	23.17	23.15	23.32
		12	13	24.00	23.25	23.17	23.15	23.34
		25	0	24.00	23.20	23.04	23.28	23.31
	16QAM	1	0	24.00	23.46	23.41	23.35	23.44
		1	13	24.00	23.39	23.29	23.34	23.49
		1	24	24.00	23.45	23.29	23.34	23.43
		12	0	23.00	22.21	22.15	22.16	22.25
		12	6	23.00	22.21	22.08	22.16	22.25
		12	13	23.00	22.21	22.08	22.17	22.27
		25	0	23.00	22.17	22.11	22.19	22.26
	64QAM	1	0	23.00	22.37	22.27	22.33	22.45
		1	13	23.00	22.37	22.27	22.33	22.47
		1	24	23.00	22.36	22.27	22.34	22.46
		12	0	22.00	21.33	21.28	21.30	21.38
		12	6	22.00	21.32	21.21	21.30	21.38
		12	13	22.00	21.32	21.21	21.30	21.42
		25	0	22.00	21.06	21.10	21.23	21.27
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
10MHz	QPSK	1	0	25.00	24.07	24.03	23.89	24.13
		1	25	25.00	24.07	24.03	23.89	24.13
		1	49	25.00	24.07	23.98	23.89	24.21
		25	0	24.00	23.26	23.28	23.28	23.30
		25	13	24.00	23.26	23.29	23.28	23.30
		25	25	24.00	23.26	23.28	23.28	23.30
		50	0	24.00	23.14	23.19	23.25	23.35
	16QAM	1	0	24.00	23.08	23.17	23.12	23.24
		1	25	24.00	23.26	23.17	23.12	23.24
		1	49	24.00	23.27	23.17	23.12	23.23
		25	0	23.00	22.13	22.13	22.16	22.19
		25	13	23.00	22.13	22.14	22.17	22.19
		25	25	23.00	22.13	22.12	22.17	22.19
		50	0	23.00	22.06	22.06	22.13	22.22
	64QAM	1	0	23.00	22.41	22.50	22.40	22.53
		1	25	23.00	22.41	22.49	22.40	22.53
		1	49	23.00	22.41	22.49	22.40	22.53
		25	0	22.00	21.18	21.25	21.25	21.25
		25	13	22.00	21.18	21.23	21.25	21.25
		25	25	22.00	21.19	21.26	21.24	21.25
		50	0	22.00	21.10	21.10	21.18	21.05

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40115CH	40465CH	40815CH	41165CH
15MHz	QPSK	1	0	25.00	24.28	24.26	24.21	24.44
		1	38	25.00	24.31	24.26	24.21	24.44
		1	74	25.00	24.30	24.25	24.20	24.44
		36	0	24.00	23.18	23.25	23.31	23.29
		36	18	24.00	23.18	23.26	23.31	23.15
		36	39	24.00	23.18	23.26	23.30	23.29
		75	0	24.00	23.27	23.11	23.22	23.12
	16QAM	1	0	24.00	23.56	23.46	23.54	23.71
		1	38	24.00	23.56	23.58	23.54	23.71
		1	74	24.00	23.56	23.57	23.54	23.70
		36	0	23.00	22.12	22.25	22.28	22.29
		36	18	23.00	22.12	22.25	22.26	22.11
		36	39	23.00	22.12	22.25	22.27	22.12
		75	0	23.00	22.08	22.07	22.25	22.36
	64QAM	1	0	23.00	22.46	22.32	22.31	22.49
		1	38	23.00	22.46	22.34	22.32	22.49
		1	74	23.00	22.45	22.32	22.30	22.49
		36	0	22.00	21.14	21.28	21.29	21.14
		36	18	22.00	21.14	21.28	21.31	21.14
		36	39	22.00	21.14	21.28	21.30	21.14
		75	0	22.00	21.00	20.96	21.11	21.16
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
20MHz	QPSK	1	0	25.00	24.13	24.04	24.06	24.31
		1	50	25.00	24.27	24.05	24.16	24.31
		1	99	25.00	24.27	24.04	24.06	24.10
		50	0	24.00	23.34	23.33	23.32	23.38
		50	25	24.00	23.34	23.29	23.32	23.38
		50	50	24.00	23.34	23.33	23.32	23.39
		100	0	24.00	23.01	23.15	23.24	23.32
	16QAM	1	0	24.00	23.49	23.42	23.41	23.44
		1	50	24.00	23.48	23.32	23.30	23.52
		1	99	24.00	23.54	23.31	23.41	23.52
		50	0	23.00	22.20	22.19	22.25	22.28
		50	25	23.00	22.21	22.18	22.24	22.29
		50	50	23.00	22.21	22.19	22.24	22.28
		100	0	23.00	22.21	22.15	22.19	22.26
	64QAM	1	0	23.00	22.34	22.33	22.32	22.53
		1	50	23.00	22.35	22.34	22.32	22.53
		1	99	23.00	22.34	22.32	22.32	22.34
		50	0	22.00	21.17	21.29	21.26	21.32
		50	25	22.00	21.17	21.29	21.27	21.33
		50	50	22.00	21.23	21.29	21.27	21.32
		100	0	22.00	21.26	21.26	21.28	21.23
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
20MHz	QPSK	1	0	25.00	24.13	24.04	24.06	24.31
		1	50	25.00	24.27	24.05	24.16	24.31
		1	99	25.00	24.27	24.04	24.06	24.10
		50	0	24.00	23.34	23.33	23.32	23.38
		50	25	24.00	23.34	23.29	23.32	23.38
		50	50	24.00	23.34	23.33	23.32	23.39
		100	0	24.00	23.01	23.15	23.24	23.32
	16QAM	1	0	24.00	23.49	23.42	23.41	23.44
		1	50	24.00	23.48	23.32	23.30	23.52
		1	99	24.00	23.54	23.31	23.41	23.52
		50	0	23.00	22.20	22.19	22.25	22.28
		50	25	23.00	22.21	22.18	22.24	22.29
		50	50	23.00	22.21	22.19	22.24	22.28
		100	0	23.00	22.21	22.15	22.19	22.26
	64QAM	1	0	23.00	22.34	22.33	22.32	22.53
		1	50	23.00	22.35	22.34	22.32	22.53
		1	99	23.00	22.34	22.32	22.32	22.34
		50	0	22.00	21.17	21.29	21.26	21.32
		50	25	22.00	21.17	21.29	21.27	21.33
		50	50	22.00	21.23	21.29	21.27	21.32
		100	0	22.00	21.26	21.26	21.28	21.23

Table 101: Conducted power measurement results 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	23.00	22.38	22.29	22.30	22.39
		1	13	23.00	22.37	22.33	22.30	22.38
		1	24	23.00	22.37	22.33	22.29	22.15
		12	0	23.00	22.31	22.22	22.24	22.39
		12	6	23.00	22.30	22.22	22.25	22.33
		12	13	23.00	22.35	22.20	22.24	22.39
		25	0	23.00	22.25	22.14	22.30	22.35
	16QAM	1	0	23.00	22.51	22.45	22.45	22.49
		1	13	23.00	22.45	22.46	22.44	22.55
		1	24	23.00	22.51	22.45	22.44	22.49
		12	0	23.00	22.21	22.15	22.16	22.25
		12	6	23.00	22.21	22.08	22.16	22.25
		12	13	23.00	22.21	22.08	22.16	22.29
		25	0	23.00	22.17	22.12	22.20	22.26
	64QAM	1	0	23.00	22.36	22.27	22.34	22.46
		1	13	23.00	22.36	22.27	22.33	22.46
		1	24	23.00	22.37	22.27	22.33	22.46
		12	0	22.00	21.32	21.28	21.30	21.38
		12	6	22.00	21.33	21.22	21.30	21.38
		12	13	22.00	21.32	21.22	21.31	21.42
		25	0	22.00	21.06	21.10	21.23	21.27
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
10MHz	QPSK	1	0	23.00	22.22	22.06	22.08	22.15
		1	25	23.00	22.22	22.10	22.08	22.16
		1	49	23.00	22.22	22.20	22.08	22.20
		25	0	23.00	22.31	22.30	22.32	22.34
		25	13	23.00	22.31	22.30	22.32	22.34
		25	25	23.00	22.31	22.30	22.32	22.34
		50	0	23.00	22.26	22.25	22.26	22.35
	16QAM	1	0	23.00	22.17	22.18	22.18	22.29
		1	25	23.00	22.32	22.18	22.18	22.29
		1	49	23.00	22.32	22.17	22.18	22.29
		25	0	23.00	22.13	22.13	22.17	22.19
		25	13	23.00	22.13	22.13	22.17	22.19
		25	25	23.00	22.13	22.12	22.17	22.19
		50	0	23.00	22.07	22.06	22.13	22.22
	64QAM	1	0	23.00	22.41	22.50	22.40	22.53
		1	25	23.00	22.41	22.50	22.40	22.53
		1	49	23.00	22.41	22.49	22.40	22.53
		25	0	22.00	21.18	21.26	21.26	21.25
		25	13	22.00	21.18	21.24	21.25	21.25
		25	25	22.00	21.19	21.24	21.24	21.26
		50	0	22.00	21.10	21.10	21.18	21.05

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40115CH	40465CH	40815CH	41165CH
15MHz	QPSK	1	0	23.00	22.47	22.40	22.43	22.45
		1	38	23.00	22.45	22.40	22.43	22.48
		1	74	23.00	22.46	22.40	22.42	22.49
		36	0	23.00	22.30	22.32	22.37	22.14
		36	18	23.00	22.30	22.31	22.36	22.17
		36	39	23.00	22.30	22.31	22.37	22.15
		75	0	23.00	22.34	22.21	22.28	22.12
	16QAM	1	0	23.00	22.70	22.59	22.65	22.63
		1	38	23.00	22.70	22.68	22.66	22.63
		1	74	23.00	22.70	22.68	22.66	22.63
		36	0	23.00	22.12	22.25	22.27	22.28
		36	18	23.00	22.12	22.25	22.27	22.12
		36	39	23.00	22.13	22.25	22.26	22.12
		75	0	23.00	22.08	22.07	22.25	22.35
	64QAM	1	0	23.00	22.46	22.32	22.31	22.50
		1	38	23.00	22.45	22.32	22.32	22.49
		1	74	23.00	22.45	22.35	22.31	22.49
		36	0	22.00	21.13	21.28	21.30	21.14
		36	18	22.00	21.13	21.28	21.30	21.14
		36	39	22.00	21.14	21.27	21.30	21.14
		75	0	22.00	21.00	20.96	21.11	21.16
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
20MHz	QPSK	1	0	23.00	22.18	22.35	22.29	22.31
		1	50	23.00	22.40	22.19	22.33	22.31
		1	99	23.00	22.39	22.35	22.29	22.32
		50	0	23.00	22.39	22.37	22.37	22.45
		50	25	23.00	22.39	22.36	22.37	22.46
		50	50	23.00	22.39	22.36	22.37	22.46
		100	0	23.00	22.12	22.24	22.31	22.37
	16QAM	1	0	23.00	22.58	22.52	22.45	22.53
		1	50	23.00	22.57	22.32	22.46	22.61
		1	99	23.00	22.60	22.32	22.48	22.60
		50	0	23.00	22.21	22.18	22.25	22.28
		50	25	23.00	22.21	22.19	22.24	22.29
		50	50	23.00	22.21	22.18	22.23	22.28
		100	0	23.00	22.21	22.15	22.20	22.26
	64QAM	1	0	23.00	22.34	22.33	22.32	22.53
		1	50	23.00	22.35	22.35	22.32	22.53
		1	99	23.00	22.34	22.32	22.31	22.35
		50	0	22.00	21.16	21.29	21.27	21.32
		50	25	22.00	21.17	21.29	21.28	21.32
		50	50	22.00	21.23	21.29	21.28	21.33
		100	0	22.00	21.26	21.26	21.29	21.23

Table 102: Conducted power measurement results of LTE Band 41 (Reduced Power Level D6/D7/D8/D10)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40065CH	40448CH	40832CH	41215CH
5MHz	QPSK	1	0	24.50	23.68	23.75	23.58	23.87
		1	13	24.50	23.67	23.79	23.57	23.87
		1	24	24.50	23.67	23.79	23.57	23.67
		12	0	24.00	23.27	23.17	23.14	23.36
		12	6	24.00	23.26	23.16	23.15	23.32
		12	13	24.00	23.25	23.16	23.15	23.34
		25	0	24.00	23.24	23.04	23.28	23.31
	16QAM	1	0	24.00	23.46	23.41	23.35	23.44
		1	13	24.00	23.38	23.29	23.34	23.49
		1	24	24.00	23.46	23.29	23.34	23.43
		12	0	23.00	22.21	22.15	22.16	22.25
		12	6	23.00	22.21	22.09	22.16	22.25
		12	13	23.00	22.21	22.08	22.17	22.29
		25	0	23.00	22.17	22.11	22.21	22.26
	64QAM	1	0	23.00	22.34	22.28	22.34	22.45
		1	13	23.00	22.37	22.27	22.33	22.46
		1	24	23.00	22.37	22.27	22.34	22.46
		12	0	22.00	21.32	21.28	21.30	21.38
		12	6	22.00	21.32	21.21	21.30	21.38
		12	13	22.00	21.33	21.22	21.30	21.42
		25	0	22.00	21.06	21.10	21.23	21.27
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
10MHz	QPSK	1	0	24.50	23.88	23.79	23.70	23.91
		1	25	24.50	23.88	23.78	23.70	23.90
		1	49	24.50	23.87	23.74	23.70	23.67
		25	0	24.00	23.27	23.29	23.28	23.29
		25	13	24.00	23.26	23.29	23.28	23.29
		25	25	24.00	23.26	23.29	23.28	23.30
		50	0	24.00	23.15	23.19	23.25	23.35
	16QAM	1	0	24.00	23.08	23.17	23.13	23.23
		1	25	24.00	23.27	23.17	23.12	23.23
		1	49	24.00	23.27	23.17	23.12	23.23
		25	0	23.00	22.13	22.15	22.17	22.19
		25	13	23.00	22.13	22.16	22.17	22.19
		25	25	23.00	22.14	22.13	22.17	22.19
		50	0	23.00	22.06	22.06	22.13	22.22
	64QAM	1	0	23.00	22.41	22.50	22.41	22.53
		1	25	23.00	22.41	22.50	22.40	22.53
		1	49	23.00	22.41	22.49	22.40	22.53
		25	0	22.00	21.18	21.26	21.26	21.25
		25	13	22.00	21.18	21.21	21.24	21.26
		25	25	22.00	21.18	21.24	21.26	21.25
		50	0	22.00	21.10	21.10	21.17	21.05
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
10MHz	QPSK	1	0	24.50	23.88	23.79	23.70	23.91
		1	25	24.50	23.88	23.78	23.70	23.90
		1	49	24.50	23.87	23.74	23.70	23.67
		25	0	24.00	23.27	23.29	23.28	23.29
		25	13	24.00	23.26	23.29	23.28	23.29
		25	25	24.00	23.26	23.29	23.28	23.30
		50	0	24.00	23.15	23.19	23.25	23.35
	16QAM	1	0	24.00	23.08	23.17	23.13	23.23
		1	25	24.00	23.27	23.17	23.12	23.23
		1	49	24.00	23.27	23.17	23.12	23.23
		25	0	23.00	22.13	22.15	22.17	22.19
		25	13	23.00	22.13	22.16	22.17	22.19
		25	25	23.00	22.14	22.13	22.17	22.19
		50	0	23.00	22.06	22.06	22.13	22.22
	64QAM	1	0	23.00	22.41	22.50	22.41	22.53
		1	25	23.00	22.41	22.50	22.40	22.53
		1	49	23.00	22.41	22.49	22.40	22.53
		25	0	22.00	21.18	21.26	21.26	21.25
		25	13	22.00	21.18	21.21	21.24	21.26
		25	25	22.00	21.18	21.24	21.26	21.25
		50	0	22.00	21.10	21.10	21.17	21.05

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40115CH	40465CH	40815CH	41165CH
15MHz	QPSK	1	0	24.50	23.90	23.92	23.67	23.92
		1	38	24.50	23.89	23.92	23.67	23.92
		1	74	24.50	23.90	23.92	23.67	23.91
		36	0	24.00	23.18	23.25	23.30	23.28
		36	18	24.00	23.18	23.27	23.30	23.15
		36	39	24.00	23.18	23.27	23.30	23.29
		75	0	24.00	23.28	23.10	23.20	23.12
	16QAM	1	0	24.00	23.56	23.47	23.54	23.71
		1	38	24.00	23.56	23.57	23.54	23.70
		1	74	24.00	23.56	23.57	23.54	23.70
		36	0	23.00	22.12	22.25	22.27	22.28
		36	18	23.00	22.13	22.25	22.28	22.11
		36	39	23.00	22.13	22.25	22.26	22.12
		75	0	23.00	22.07	22.06	22.26	22.35
	64QAM	1	0	23.00	22.46	22.32	22.30	22.50
		1	38	23.00	22.45	22.33	22.29	22.49
		1	74	23.00	22.46	22.32	22.28	22.50
		36	0	22.00	21.13	21.28	21.32	21.14
		36	18	22.00	21.13	21.28	21.32	21.14
		36	39	22.00	21.14	21.28	21.29	21.14
		75	0	22.00	21.00	20.96	21.11	21.16
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
20MHz	QPSK	1	0	24.50	23.88	23.79	23.75	23.82
		1	50	24.50	23.87	23.78	23.73	23.84
		1	99	24.50	23.87	23.78	23.75	23.56
		50	0	24.00	23.35	23.29	23.32	23.38
		50	25	24.00	23.34	23.29	23.34	23.38
		50	50	24.00	23.34	23.29	23.33	23.38
		100	0	24.00	23.02	23.14	23.27	23.30
	16QAM	1	0	24.00	23.50	23.42	23.41	23.44
		1	50	24.00	23.49	23.31	23.29	23.52
		1	99	24.00	23.54	23.31	23.41	23.51
		50	0	23.00	22.20	22.18	22.24	22.28
		50	25	23.00	22.21	22.18	22.24	22.30
		50	50	23.00	22.21	22.18	22.24	22.28
		100	0	23.00	22.21	22.15	22.23	22.25
	64QAM	1	0	23.00	22.34	22.33	22.32	22.53
		1	50	23.00	22.35	22.34	22.32	22.53
		1	99	23.00	22.35	22.32	22.32	22.35
		50	0	22.00	21.16	21.29	21.27	21.32
		50	25	22.00	21.17	21.28	21.27	21.32
		50	50	22.00	21.23	21.29	21.27	21.33
		100	0	22.00	21.27	21.26	21.29	21.23
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
20MHz	QPSK	1	0	24.50	23.88	23.79	23.75	23.82
		1	50	24.50	23.87	23.78	23.73	23.84
		1	99	24.50	23.87	23.78	23.75	23.56
		50	0	24.00	23.35	23.29	23.32	23.38
		50	25	24.00	23.34	23.29	23.34	23.38
		50	50	24.00	23.34	23.29	23.33	23.38
		100	0	24.00	23.02	23.14	23.27	23.30
	16QAM	1	0	24.00	23.50	23.42	23.41	23.44
		1	50	24.00	23.49	23.31	23.29	23.52
		1	99	24.00	23.54	23.31	23.41	23.51
		50	0	23.00	22.20	22.18	22.24	22.28
		50	25	23.00	22.21	22.18	22.24	22.30
		50	50	23.00	22.21	22.18	22.24	22.28
		100	0	23.00	22.21	22.15	22.23	22.25
	64QAM	1	0	23.00	22.34	22.33	22.32	22.53
		1	50	23.00	22.35	22.34	22.32	22.53
		1	99	23.00	22.35	22.32	22.32	22.35
		50	0	22.00	21.16	21.29	21.27	21.32
		50	25	22.00	21.17	21.28	21.27	21.32
		50	50	22.00	21.23	21.29	21.27	21.33
		100	0	22.00	21.27	21.26	21.29	21.23

Table 103: Conducted power measurement results of LTE Band 41 (Reduced Power Level D1/D2/D3/D9)

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							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	QPSK	1	0	18700	700	2	20	898	/	/	/	22.33	21.92	23.00
CA_5B	5	10	QPSK	1	49	20450	2450	5	10	2549	/	/	/	23.81	23.60	24.50
CA_38C	38	20	QPSK	1	0	37850	37850	38	20	38048	/	/	/	22.96	22.30	23.50
CA_41C	41	20	QPSK	1	0	40473	40473	41	20	40671	/	/	/	22.78	21.99	23.50
CA_7A-7A	7	20	64QAM	1	50	21100	3100	7	20	2850	/	/	/	20.15	19.86	20.50
CA_2A-5A	2	20	QPSK	1	0	18700	700	5	10	2525	/	/	/	22.33	21.98	23.00
	5	10	QPSK	1	49	20450	2450	2	20	900	/	/	/	23.81	23.61	24.50
CA_2A-12A	2	20	QPSK	1	0	18700	700	12	10	5090	/	/	/	22.33	21.91	23.00
	12	10	QPSK	1	0	23060	5060	2	20	900	/	/	/	24.03	23.84	25.00
CA_2A-17A	2	10	QPSK	1	0	18650	650	17	10	5790	/	/	/	22.08	21.65	23.00
	17	10	64QAM	1	25	23780	5780	2	10	900	/	/	/	23.92	23.71	25.00
CA_4A-5A	5	10	QPSK	1	49	20450	2450	4	20	2300	/	/	/	23.81	23.45	24.50
CA_4A-7A	4	20	QPSK	1	99	20175	2175	7	20	3100	/	/	/	22.91	22.75	24.00
	7	20	64QAM	1	50	21100	3100	4	20	2300	/	/	/	20.15	19.81	20.50
CA_4A-17A	4	10	QPSK	1	0	20350	2350	17	10	5790	/	/	/	22.70	22.56	24.00
CA_5A-7A	5	10	QPSK	1	49	20450	2450	7	20	3100	/	/	/	23.81	23.49	24.50
	7	20	64QAM	1	50	21100	3100	5	10	2525	/	/	/	20.15	19.89	20.50
CA_7A-12A	7	20	64QAM	1	50	21100	3100	12	10	5095	/	/	/	20.15	19.88	20.50
	12	10	QPSK	1	0	23060	5060	7	20	3100	/	/	/	24.03	23.85	25.00
CA_41D	41	20	QPSK	1	0	40473	40473	41	20	40671	41	20	40869	22.78	21.94	23.50
CA_2A-12B	2	20	QPSK	1	0	18700	700	12	5	5095	12	5	5143	22.33	21.82	23.00
	12	10	QPSK	1	0	23060	5060	12	5	5108	2	5	900	24.03	23.81	25.00
CA_4A-7C	4	20	QPSK	1	99	20175	2175	7	20	3100	7	20	3298	22.91	22.73	24.00
	7	20	64QAM	1	50	21100	3100	7	20	3298	4	20	2300	20.15	19.78	20.50
CA_4A-12B	4	20	QPSK	1	99	20175	2175	12	5	5095	12	5	5143	22.91	22.76	24.00
CA_4A-12A-12A	4	20	QPSK	1	99	20175	2175	12	5	5095	12	5	5155	22.91	22.72	24.00
CA_5A-7C	5	10	QPSK	1	49	20450	2450	7	20	3100	7	20	3298	23.81	23.40	24.50
	7	20	64QAM	1	50	21100	3100	7	20	3298	5	10	2525	20.15	19.85	20.50

Table 104: Conducted power measurement results of DL CA(Second 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	QPSK	1	99	19100	1100	2	20	902	/	/	/	17.37	17.01	18.00
CA_5B	5	10	16QAM	1	25	20450	2450	5	10	2549	/	/	/	18.09	17.78	18.50
CA_38C	38	20	16QAM	1	0	37850	37850	38	20	38048	/	/	/	18.74	18.54	19.00
CA_41C	41	20	QPSK	100	0	40140	40140	41	20	40338	/	/	/	17.98	17.42	18.50
CA_7A-7A	7	20	16QAM	1	50	21350	3350	7	20	2850	/	/	/	15.19	14.88	15.50
CA_2A-5A	2	20	QPSK	1	99	19100	1100	5	10	2525	/	/	/	17.37	17.03	18.00
	5	10	16QAM	1	25	20450	2450	2	20	900	/	/	/	18.09	17.77	18.50
CA_2A-12A	2	20	QPSK	1	99	19100	1100	2	20	902	/	/	/	17.37	17.01	18.00
	12	10	16QAM	1	49	23095	5095	2	20	900	/	/	/	19.83	19.66	20.50
CA_2A-17A	2	10	QPSK	1	25	18650	650	17	10	5790	/	/	/	17.17	16.98	18.00
	17	10	64QAM	1	25	23790	5790	2	10	2300	/	/	/	19.65	19.41	20.50
CA_4A-5A	5	10	16QAM	1	25	20450	2450	4	20	2300	/	/	/	18.09	17.68	18.50
CA_4A-7A	4	20	64QAM	1	20	20300	2300	7	20	3100	/	/	/	16.96	16.79	17.50
	7	20	16QAM	1	50	21350	3350	4	20	2300	/	/	/	15.19	14.75	15.50
CA_4A-17A	4	10	QPSK	1	25	20350	2350	17	10	5790	/	/	/	16.58	16.25	17.50
CA_5A-7A	5	10	16QAM	1	25	20450	2450	7	20	3100	/	/	/	18.09	17.73	18.50
	7	20	16QAM	1	50	21350	3350	5	10	2525	/	/	/	15.19	14.85	15.50
CA_7A-12A	7	20	16QAM	1	50	21350	3350	12	10	5095	/	/	/	15.19	14.81	15.50
	12	10	16QAM	1	49	23095	5095	7	20	3100	/	/	/	19.83	19.63	20.50
CA_41D	41	20	QPSK	100	0	40140	40140	41	20	40338	41	20	40538	17.98	17.46	18.50
CA_2A-12B	2	20	QPSK	1	99	19100	1100	12	5	5095	12	5	5143	17.37	17.03	18.00
	12	10	16QAM	1	49	23095	5095	12	5	5143	2	20	900	19.83	19.61	20.50
CA_4A-7C	4	20	64QAM	1	20	20300	2300	7	20	3100	7	20	3298	16.96	16.71	17.50
	7	20	16QAM	1	50	21350	3350	7	20	3152	4	20	2300	15.19	14.91	15.50
CA_4A-12B	4	20	64QAM	1	20	20300	2300	12	5	5095	12	5	5143	16.96	16.71	17.50
CA_4A-12A-12A	4	20	64QAM	1	20	20300	2300	12	5	5095	12	5	5155	16.96	16.69	17.50
CA_5A-7C	5	10	16QAM	1	25	20450	2450	7	20	3100	7	20	3298	18.09	17.69	18.50
	7	20	16QAM	1	50	21350	3350	7	20	3152	5	10	2525	15.19	14.91	15.50

Table 105: 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 (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	64QAM	1	0	18700	700	2	20	898	/	/	/	14.40	14.21	15.00
CA_5B	5	10	16QAM	1	25	20450	2450	5	10	2549	/	/	/	18.09	18.01	18.50
CA_38C	38	20	16QAM	1	50	37850	37850	38	20	38048	/	/	/	17.69	17.37	18.00
CA_41C	41	20	QPSK	1	50	40473	40473	41	20	40671	/	/	/	15.97	15.45	16.50
CA_7A-7A	7	20	16QAM	1	0	21350	3350	7	20	2850	/	/	/	13.39	13.11	13.50
CA_2A-5A	2	20	64QAM	1	0	18700	700	5	10	2525	/	/	/	14.40	14.25	15.00
	5	10	16QAM	1	25	20450	2450	2	20	900	/	/	/	18.09	17.82	18.50
CA_2A-12A	2	20	64QAM	1	0	18700	700	12	10	5095	/	/	/	14.40	14.19	15.00
	12	10	16QAM	1	49	23095	5095	2	20	900	/	/	/	19.83	19.64	20.50
CA_2A-17A	2	10	QPSK	25	0	18650	650	17	10	5790	/	/	/	14.16	13.88	15.00
	17	10	64QAM	1	25	23790	5790	2	10	2300	/	/	/	19.65	19.33	20.50
CA_4A-5A	5	10	16QAM	1	25	20450	2450	4	20	2300	/	/	/	18.09	17.91	18.50
CA_4A-7A	4	20	16QAM	1	20	20300	2300	7	20	3100	/	/	/	13.81	13.58	14.50
	7	20	16QAM	1	0	21350	3350	4	20	2300	/	/	/	13.39	13.02	13.50
CA_4A-17A	4	10	64QAM	1	0	20350	2350	17	10	5790	/	/	/	13.52	13.21	14.50
CA_5A-7A	5	10	16QAM	1	25	20450	2450	7	20	3100	/	/	/	18.09	18.00	18.50
	7	20	16QAM	1	0	21350	3350	5	10	2525	/	/	/	13.39	13.05	13.50
CA_7A-12A	7	20	16QAM	1	0	21350	3350	12	5	5095	/	/	/	13.39	12.92	13.50
	12	10	16QAM	1	49	23095	5095	7	20	3100	/	/	/	19.83	19.61	20.50
CA_41D	41	20	QPSK	1	50	40473	40473	41	20	40671	41	20	40869	15.97	15.42	16.50
CA_2A-12B	2	20	64QAM	1	0	18700	700	12	5	5095	12	5	5143	14.40	14.18	15.00
	12	10	16QAM	1	49	23095	5095	12	5	5143	2	20	900	19.83	19.56	20.50
CA_4A-7C	4	20	16QAM	1	20	20300	2300	7	20	3100	7	20	3298	13.81	13.55	14.50
	7	20	16QAM	1	0	21350	3350	7	20	3152	4	20	2300	13.39	13.12	13.50
CA_4A-12B	4	20	16QAM	1	20	20300	2300	12	5	5095	12	5	5143	13.81	13.61	14.50
CA_4A-12A-12A	4	20	16QAM	1	20	20300	2300	12	5	5095	12	5	5155	13.81	13.62	14.50
CA_5A-7C	5	10	16QAM	1	25	20450	2450	7	20	3100	7	20	3298	18.09	17.92	18.50
	7	20	16QAM	1	0	21350	3350	7	20	3152	5	10	2525	13.39	13.15	13.50

Table 106: 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 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	50	19100	1100	2	20	898	/	/	/	19.27	19.00	20.00
CA_5B	5	10	QPSK	1	49	20450	2450	5	10	2549	/	/	/	23.81	23.62	24.50
CA_38C	38	20	16QAM	1	99	37850	37850	38	20	38048	/	/	/	22.19	22.04	22.50
CA_41C	41	20	16QAM	1	99	40473	40473	41	20	40671	/	/	/	21.15	20.70	21.50
CA_7A-7A	7	20	QPSK	1	0	21350	3350	7	20	2850	/	/	/	18.29	18.01	18.50
CA_2A-5A	2	20	16QAM	1	50	19100	1100	5	10	2525	/	/	/	19.27	19.00	20.00
	5	10	QPSK	1	49	20450	2450	2	20	900	/	/	/	23.81	23.62	24.50
CA_2A-12A	2	20	16QAM	1	50	19100	1100	12	10	5095	/	/	/	19.27	19.00	20.00
	12	10	QPSK	1	0	23060	5060	2	20	900	/	/	/	24.03	23.84	25.00
CA_2A-17A	2	10	16QAM	1	25	18650	650	17	10	5790	/	/	/	19.42	19.12	20.00
	17	10	64QAM	1	25	23780	5780	2	10	2300	/	/	/	23.92	23.71	25.00
CA_4A-5A	5	10	QPSK	1	49	20450	2450	4	20	2300	/	/	/	23.81	23.62	24.50
CA_4A-7A	4	20	QPSK	1	99	20300	2300	7	20	3100	/	/	/	20.20	19.94	21.00
	7	20	QPSK	1	0	21350	3350	4	20	2300	/	/	/	18.29	18.01	18.50
CA_4A-17A	4	10	64QAM	1	0	20175	2175	17	10	5790	/	/	/	20.07	19.75	21.00
CA_5A-7A	5	10	QPSK	1	49	20450	2450	7	20	3100	/	/	/	23.81	23.62	24.50
	7	20	QPSK	1	0	21350	3350	5	10	2525	/	/	/	18.29	18.01	18.50
CA_7A-12A	7	20	QPSK	1	0	21350	3350	12	5	5095	/	/	/	18.29	18.01	18.50
	12	10	QPSK	1	0	23060	5060	7	20	3100	/	/	/	24.03	23.84	25.00
CA_41D	41	20	16QAM	1	99	40473	40473	41	20	40671	41	20	40869	21.15	20.70	21.50
CA_2A-12B	2	20	16QAM	1	50	19100	1100	12	5	5095	12	5	5143	19.27	19.00	20.00
	12	10	QPSK	1	0	23060	5060	12	5	5143	2	20	900	24.03	23.84	25.00
CA_4A-7C	4	20	QPSK	1	99	20300	2300	7	20	3100	7	20	3298	20.20	19.94	21.00
	7	20	QPSK	1	0	21350	3350	7	20	3152	4	20	2300	18.29	18.01	18.50
CA_4A-12B	4	20	QPSK	1	99	20300	2300	12	5	5095	12	5	5143	20.20	19.94	21.00
CA_4A-12A-12A	4	20	QPSK	1	99	20300	2300	12	5	5095	12	5	5155	20.20	19.94	21.00
CA_5A-7C	5	10	QPSK	1	49	20450	2450	7	20	3100	7	20	3298	23.81	23.62	24.50
	7	20	QPSK	1	0	21350	3350	7	20	3152	5	10	2525	18.29	18.01	18.50

Table 107: Conducted power measurement results of DL CA(Second Antenna, Reduced Power Reduced Power Level D2)

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	QPSK	1	99	18700	700	2	20	898	/	/	/	23.33	23.03	24.50
CA_5B	5	10	QPSK	1	25	20450	2450	5	10	2549	/	/	/	23.92	23.79	25.00
CA_41C	41	20	QPSK	1	0	41140	41140	38	20	38048	/	/	/	24.31	24.24	25.00
CA_66B	66	10	QPSK	1	0	132622	67086	41	20	40671	/	/	/	22.99	22.79	24.00
CA_7A-7A	7	20	QPSK	1	50	21350	3350	7	20	2850	/	/	/	24.13	23.92	24.50
CA_2A-5A	2	20	QPSK	1	99	18700	700	5	10	2525	/	/	/	23.33	23.08	24.50
	5	10	QPSK	1	25	20450	2450	2	20	900	/	/	/	23.92	23.72	25.00
CA_2A-12A	2	20	QPSK	1	99	18700	700	12	10	5095	/	/	/	23.33	23.04	24.50
	12	10	QPSK	1	0	23095	5095	2	20	900	/	/	/	24.03	23.87	25.00
CA_2A-17A	2	10	QPSK	1	25	18650	650	17	10	5790	/	/	/	23.10	22.89	24.50
	17	10	QPSK	1	49	23790	5790	2	10	2300	/	/	/	24.22	23.91	25.00
CA_4A-5A	5	10	QPSK	1	25	20450	2450	4	20	2300	/	/	/	23.92	23.72	25.00
CA_4A-7A	4	20	QPSK	1	50	20050	2050	7	20	3100	/	/	/	24.10	23.87	25.00
	7	20	QPSK	1	50	21350	3350	4	20	2300	/	/	/	24.13	23.92	24.50
CA_4A-17A	4	10	QPSK	1	0	20175	2175	17	10	5790	/	/	/	23.86	23.67	25.00
CA_5A-7A	5	10	QPSK	1	25	20450	2450	7	20	3100	/	/	/	23.92	23.72	25.00
	7	20	QPSK	1	50	21350	3350	5	10	2525	/	/	/	24.13	23.92	24.50
CA_7A-12A	7	20	QPSK	1	50	21350	3350	12	5	5095	/	/	/	24.13	23.92	24.50
	12	10	QPSK	1	0	23095	5095	7	20	3100	/	/	/	24.03	23.87	25.00
CA_41D	41	20	QPSK	1	0	41140	41140	41	20	40671	41	20	40869	24.31	24.24	25.00
CA_2A-12B	2	20	QPSK	1	99	18700	700	12	5	5095	12	5	5143	23.33	23.04	24.50
	12	10	QPSK	1	0	23095	5095	12	5	5143	2	20	900	24.03	23.87	25.00
CA_4A-7C	4	20	QPSK	1	50	20050	2050	7	20	3100	7	20	3298	24.10	23.87	25.00
	7	20	QPSK	1	50	21350	3350	7	20	3152	4	20	2300	24.13	23.92	24.50
CA_4A-12B	4	20	QPSK	1	50	20050	2050	12	5	5095	12	5	5143	24.10	23.87	25.00
CA_4A-12A-12A	4	20	QPSK	1	50	20050	2050	12	5	5095	12	5	5155	24.10	23.87	25.00
CA_5A-7C	5	10	QPSK	1	25	20450	2450	7	20	3100	7	20	3298	23.92	23.72	25.00
	7	20	QPSK	1	50	21350	3350	7	20	3152	5	10	2525	24.13	23.92	24.50

Table 108: 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	50	18900	900	2	20	1098	/	/	/	22.53	22.32	23.50
CA_5B	5	10	QPSK	1	25	20450	2450	5	10	2549	/	/	/	23.92	23.77	25.00
CA_38C	38	20	16QAM	1	50	38150	38150	38	20	38048	/	/	/	22.61	22.53	23.00
CA_41C	41	20	16QAM	1	0	41140	41140	41	20	40942	/	/	/	24.31	24.22	25.00
CA_7A-7A	7	20	64QAM	1	99	21100	3100	7	20	2850	/	/	/	20.76	20.41	21.00
CA_2A-5A	2	20	16QAM	1	50	18900	900	5	10	2525	/	/	/	22.53	22.31	23.50
	5	10	QPSK	1	25	20450	2450	2	20	900	/	/	/	23.92	23.62	25.00
CA_2A-12A	2	20	16QAM	1	50	18900	900	12	10	5095	/	/	/	22.53	22.31	23.50
	12	10	QPSK	1	0	23095	5095	2	20	900	/	/	/	24.03	23.81	25.00
CA_2A-17A	2	10	QPSK	1	0	18650	650	17	10	5790	/	/	/	22.31	22.01	23.50
	17	10	QPSK	1	49	23790	5790	2	10	2300	/	/	/	24.22	23.84	25.00
CA_4A-5A	5	10	QPSK	1	25	20450	2450	4	20	2300	/	/	/	23.92	23.62	25.00
CA_4A-7A	4	20	16QAM	1	99	20300	2300	7	20	3100	/	/	/	22.28	22.01	23.00
	7	20	64QAM	1	99	21100	3100	4	20	2300	/	/	/	20.76	20.45	21.00
CA_4A-17A	4	10	64QAM	1	49	20000	2000	17	10	5790	/	/	/	22.00	21.82	23.00
CA_5A-7A	5	10	QPSK	1	25	20450	2450	7	20	3100	/	/	/	23.92	23.69	25.00
	7	20	64QAM	1	99	21100	3100	5	10	2525	/	/	/	20.76	20.42	21.00
CA_7A-12A	7	20	64QAM	1	99	21100	3100	12	5	5095	/	/	/	20.76	20.42	21.00
	12	10	QPSK	1	0	23095	5095	7	20	3100	/	/	/	24.03	23.81	25.00
CA_41D	41	20	16QAM	1	0	41140	41140	41	20	40942	41	20	40744	24.31	24.22	25.00
CA_2A-12B	2	20	16QAM	1	50	18900	900	12	5	5095	12	5	5143	22.53	22.32	23.50
	12	10	QPSK	1	0	23095	5095	12	5	5143	2	20	900	24.03	23.83	25.00
CA_4A-7C	4	20	16QAM	1	99	20300	2300	7	20	3100	7	20	3298	22.28	22.01	23.00
	7	20	64QAM	1	99	21100	3100	7	20	3298	4	20	2300	20.76	20.41	21.00
CA_4A-12B	4	20	16QAM	1	99	20300	2300	12	5	5095	12	5	5143	22.28	22.01	23.00
CA_4A-12A-12A	4	20	16QAM	1	99	20300	2300	12	5	5095	12	5	5155	22.28	22.01	23.00
CA_5A-7C	5	10	QPSK	1	25	20450	2450	7	20	3100	7	20	3298	23.92	23.64	25.00
	7	20	64QAM	1	99	21100	3100	7	20	3298	5	10	2525	20.76	20.43	21.00

Table 109: 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 (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	QPSK	1	99	18700	700	2	20	898	/	/	/	23.33	22.92	24.50
CA_5B	5	10	QPSK	1	25	20450	2450	5	10	2549	/	/	/	23.92	23.68	25.00
CA_38C	38	20	16QAM	1	0	37850	37850	38	20	38048	/	/	/	23.64	23.36	24.00
CA_41C	41	20	QPSK	1	0	41140	41140	41	20	40942	/	/	/	24.31	24.13	25.00
CA_7A-7A	7	20	16QAM	1	0	21350	3350	7	20	2850	/	/	/	21.84	21.41	22.00
CA_2A-5A	2	20	QPSK	1	99	18700	700	5	10	2525	/	/	/	23.33	22.92	24.50
	5	10	QPSK	1	25	20450	2450	2	20	900	/	/	/	23.92	23.66	25.00
CA_2A-12A	2	20	QPSK	1	99	18700	700	12	10	5095	/	/	/	23.33	22.92	24.50
	12	10	QPSK	1	0	23095	5095	2	20	900	/	/	/	24.03	23.76	25.00
CA_2A-17A	2	10	QPSK	1	25	18650	650	17	10	5790	/	/	/	23.10	22.78	24.50
	17	10	QPSK	1	49	23790	5790	2	10	2300	/	/	/	24.22	23.73	25.00
CA_4A-5A	5	10	QPSK	1	25	20450	2450	4	20	2300	/	/	/	23.92	23.61	25.00
CA_4A-7A	4	20	QPSK	1	50	20050	2050	7	20	3100	/	/	/	24.10	23.73	25.00
	7	20	16QAM	1	0	21350	3350	4	20	2300	/	/	/	21.84	21.41	22.00
CA_4A-17A	4	10	QPSK	1	0	20175	2175	17	10	5790	/	/	/	23.86	23.58	25.00
CA_5A-7A	5	10	QPSK	1	25	20450	2450	7	20	3100	/	/	/	23.92	23.68	25.00
	7	20	16QAM	1	0	21350	3350	5	10	2525	/	/	/	21.84	21.41	22.00
CA_7A-12A	7	20	16QAM	1	0	21350	3350	12	5	5095	/	/	/	21.84	21.41	22.00
	12	10	QPSK	1	0	23095	5095	7	20	3100	/	/	/	24.03	23.76	25.00
CA_41D	41	20	QPSK	1	0	41140	41140	41	20	40942	41	20	40744	24.31	24.13	25.00
CA_2A-12B	2	20	QPSK	1	99	18700	700	12	5	5095	12	5	5143	23.33	22.92	24.50
	12	10	QPSK	1	0	23095	5095	12	5	5143	2	20	900	24.03	23.76	25.00
CA_4A-7C	4	20	QPSK	1	50	20050	2050	7	20	3100	7	20	3298	24.10	23.73	25.00
	7	20	16QAM	1	0	21350	3350	7	20	3152	4	20	2300	21.84	21.41	22.00
CA_4A-12B	4	20	QPSK	1	50	20050	2050	12	5	5095	12	5	5143	24.10	23.73	25.00
CA_4A-12A-12A	4	20	QPSK	1	50	20050	2050	12	5	5095	12	5	5155	24.10	23.73	25.00
CA_5A-7C	5	10	QPSK	1	25	20450	2450	7	20	3100	7	20	3298	23.92	23.61	25.00
	7	20	16QAM	1	0	21350	3350	7	20	3152	5	10	2525	21.84	21.41	22.00

Table 110: Conducted power measurement results of DL CA(Main Antenna, Reduced Power Level D5)

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	64QAM	1	99	18700	700	2	20	898	/	/	/	20.74	20.33	21.50
CA_5B	5	10	QPSK	1	25	20450	2450	5	10	2549	/	/	/	23.92	23.66	25.00
CA_38C	38	20	16QAM	1	0	37850	37850	38	20	38048	/	/	/	22.68	22.56	23.00
CA_41C	41	20	16QAM	1	50	41140	41140	41	20	40338	/	/	/	22.61	22.41	23.00
CA_7A-7A	7	20	64QAM	1	0	21350	3350	7	20	2850	/	/	/	21.39	21.02	21.50
CA_2A-5A	2	20	64QAM	1	99	18700	700	5	10	2525	/	/	/	20.74	20.43	21.50
	5	10	QPSK	1	25	20450	2450	2	20	900	/	/	/	23.92	23.71	25.00
CA_2A-12A	2	20	64QAM	1	99	18700	700	12	10	5095	/	/	/	20.74	20.43	21.50
	12	10	QPSK	1	0	23095	5095	2	20	900	/	/	/	24.03	23.64	25.00
CA_2A-17A	2	10	16QAM	1	0	18650	650	17	10	5790	/	/	/	20.43	20.22	21.50
	17	10	QPSK	1	49	23790	5790	2	10	2300	/	/	/	24.22	23.89	25.00
CA_4A-5A	5	10	QPSK	1	25	20450	2450	4	20	2300	/	/	/	23.92	23.68	25.00
CA_4A-7A	4	20	16QAM	1	0	20300	2300	7	20	3100	/	/	/	20.90	23.58	21.50
	7	20	64QAM	1	0	21350	3350	4	20	2300	/	/	/	21.39	21.11	21.50
CA_4A-17A	4	10	16QAM	1	0	20000	2000	17	10	5790	/	/	/	20.61	20.22	21.50
CA_5A-7A	5	10	QPSK	1	25	20450	2450	7	20	3100	/	/	/	23.92	23.61	25.00
	7	20	64QAM	1	0	21350	3350	5	10	2525	/	/	/	21.39	21.12	21.50
CA_7A-12A	7	20	64QAM	1	0	21350	3350	12	5	5095	/	/	/	21.39	21.12	21.50
	12	10	QPSK	1	0	23095	5095	7	20	3100	/	/	/	24.03	23.80	25.00
CA_41D	41	20	16QAM	1	50	41140	41140	41	20	40338	41	20	40536	22.61	22.49	23.00
CA_2A-12B	2	20	64QAM	1	99	18700	700	12	5	5095	12	5	5143	20.74	20.40	21.50
	12	10	QPSK	1	0	23095	5095	12	5	5143	2	20	900	24.03	23.84	25.00
CA_4A-7C	4	20	16QAM	1	0	20300	2300	7	20	3100	7	20	3298	20.90	23.53	21.50
	7	20	64QAM	1	0	21350	3350	7	20	3152	4	20	2300	21.39	21.12	21.50
CA_4A-12B	4	20	16QAM	1	0	20300	2300	12	5	5095	12	5	5143	20.90	23.53	21.50
CA_4A-12A-12A	4	20	16QAM	1	0	20300	2300	12	5	5095	12	5	5155	20.90	23.58	21.50
CA_5A-7C	5	10	QPSK	1	25	20450	2450	7	20	3100	7	20	3298	23.92	23.63	25.00
	7	20	64QAM	1	0	21350	3350	7	20	3152	5	10	2525	21.39	21.11	21.50

Table 111: Conducted power measurement results of DL CA(Main Antenna, Reduced Power Reduced Power Level D6/D10)

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	19100	1100	2	20	902	/	/	/	19.64	19.40	20.50
CA_5B	5	10	QPSK	1	25	20450	2450	5	10	2549	/	/	/	23.92	23.77	25.00
CA_38C	38	20	16QAM	1	50	38150	38150	38	20	38048	/	/	/	20.86	20.45	21.00
CA_41C	41	20	16QAM	1	0	41140	41140	41	20	40338	/	/	/	22.61	22.50	23.00
CA_7A-7A	7	20	64QAM	1	20	21350	3350	7	20	2850	/	/	/	17.89	17.66	18.00
CA_2A-5A	2	20	16QAM	1	0	19100	1100	5	10	2525	/	/	/	19.64	19.40	20.50
	5	10	QPSK	1	25	20450	2450	2	20	900	/	/	/	23.92	23.81	25.00
CA_2A-12A	2	20	16QAM	1	0	19100	1100	12	10	5095	/	/	/	19.64	19.40	20.50
	12	10	QPSK	1	0	23095	5095	2	20	900	/	/	/	24.03	23.67	25.00
CA_2A-17A	2	10	64QAM	1	0	18650	650	17	10	5790	/	/	/	19.64	19.32	20.50
	17	10	QPSK	1	49	23790	5790	2	10	2300	/	/	/	24.22	23.77	25.00
CA_4A-5A	5	10	QPSK	1	25	20450	2450	4	20	2300	/	/	/	23.92	23.70	25.00
CA_4A-7A	4	20	64QAM	1	99	20300	2300	7	20	3100	/	/	/	18.93	18.57	19.50
	7	20	64QAM	1	20	21350	3350	4	20	2300	/	/	/	17.89	17.66	18.00
CA_4A-17A	4	10	64QAM	1	49	20000	2000	17	10	5790	/	/	/	18.66	18.34	19.50
CA_5A-7A	5	10	QPSK	1	25	20450	2450	7	20	3100	/	/	/	23.92	23.70	25.00
	7	20	64QAM	1	20	21350	3350	5	10	2525	/	/	/	17.89	17.66	18.00
CA_7A-12A	7	20	64QAM	1	20	21350	3350	12	5	5095	/	/	/	17.89	17.66	18.00
	12	10	QPSK	1	0	23095	5095	7	20	3100	/	/	/	24.03	23.85	25.00
CA_41D	41	20	16QAM	1	0	41140	41140	41	20	40338	41	20	40536	22.61	22.50	23.00
CA_2A-12B	2	20	16QAM	1	0	19100	1100	12	5	5095	12	5	5143	19.64	19.40	20.50
	12	10	QPSK	1	0	23095	5095	12	5	5143	2	20	900	24.03	23.85	25.00
CA_4A-7C	4	20	64QAM	1	99	20300	2300	7	20	3100	7	20	3298	18.93	18.57	19.50
	7	20	64QAM	1	20	21350	3350	7	20	3152	4	20	2300	17.89	17.66	18.00
CA_4A-12B	4	20	64QAM	1	99	20300	2300	12	5	5095	12	5	5143	18.93	18.57	19.50
CA_4A-12A-12A	4	20	64QAM	1	99	20300	2300	12	5	5095	12	5	5155	18.93	18.57	19.50
CA_5A-7C	5	10	QPSK	1	25	20450	2450	7	20	3100	7	20	3298	23.92	23.70	25.00
	7	20	64QAM	1	20	21350	3350	7	20	3152	5	10	2525	17.89	17.66	18.00

Table 112: Conducted power measurement results of DL CA(Main Antenna,Reduced Power Level D7)

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	64QAM	1	99	18700	700	2	20	898	/	/	/	20.74	20.45	21.50
CA_5B	5	10	QPSK	1	25	20450	2450	5	10	2549	/	/	/	23.92	23.76	25.00
CA_38C	38	20	16QAM	1	50	38150	38150	38	20	38048	/	/	/	21.76	21.31	22.00
CA_41C	41	20	16QAM	1	50	41140	41140	41	20	40338	/	/	/	22.61	22.49	23.00
CA_7A-7A	7	20	64QAM	1	20	21350	3350	7	20	2850	/	/	/	18.88	18.66	19.00
CA_2A-5A	2	20	64QAM	1	99	18700	700	5	10	2525	/	/	/	20.74	20.43	21.50
	5	10	QPSK	1	25	20450	2450	2	20	900	/	/	/	23.92	23.71	25.00
CA_2A-12A	2	20	64QAM	1	99	18700	700	12	10	5095	/	/	/	20.74	20.43	21.50
	12	10	QPSK	1	0	23095	5095	2	20	900	/	/	/	24.03	23.85	25.00
CA_2A-17A	2	10	16QAM	1	0	18650	650	17	10	5790	/	/	/	20.43	20.12	21.50
	17	10	QPSK	1	49	23790	5790	2	10	2300	/	/	/	24.22	23.86	25.00
CA_4A-5A	5	10	QPSK	1	25	20450	2450	4	20	2300	/	/	/	23.92	23.62	25.00
CA_4A-7A	4	20	16QAM	1	0	20300	2300	7	20	3100	/	/	/	20.90	23.56	21.50
	7	20	64QAM	1	20	21350	3350	4	20	2300	/	/	/	18.88	18.54	19.00
CA_4A-17A	4	10	16QAM	1	0	20000	2000	17	10	5790	/	/	/	20.61	20.22	21.50
CA_5A-7A	5	10	QPSK	1	25	20450	2450	7	20	3100	/	/	/	23.92	23.61	25.00
	7	20	64QAM	1	20	21350	3350	5	10	2525	/	/	/	18.88	18.64	19.00
CA_7A-12A	7	20	64QAM	1	20	21350	3350	12	5	5095	/	/	/	18.88	18.65	19.00
	12	10	QPSK	1	0	23095	5095	7	20	3100	/	/	/	24.03	23.84	25.00
CA_41D	41	20	16QAM	1	50	41140	41140	41	20	40338	41	20	40536	22.61	22.49	23.00
CA_2A-12B	2	20	64QAM	1	99	18700	700	12	5	5095	12	5	5143	20.74	20.44	21.50
	12	10	QPSK	1	0	23095	5095	12	5	5143	2	20	900	24.03	23.84	25.00
CA_4A-7C	4	20	16QAM	1	0	20300	2300	7	20	3100	7	20	3298	20.90	23.59	21.50
	7	20	64QAM	1	20	21350	3350	7	20	3152	4	20	2300	18.88	18.64	19.00
CA_4A-12B	4	20	16QAM	1	0	20300	2300	12	5	5095	12	5	5143	20.90	23.55	21.50
CA_4A-12A-12A	4	20	16QAM	1	0	20300	2300	12	5	5095	12	5	5155	20.90	23.56	21.50
CA_5A-7C	5	10	QPSK	1	25	20450	2450	7	20	3100	7	20	3298	23.92	23.69	25.00
	7	20	64QAM	1	20	21350	3350	7	20	3152	5	10	2525	18.88	18.54	19.00

Table 113: Conducted power measurement results of DL CA(Main Antenna, Reduced Power Reduced Power Level D8)

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	QPSK	1	99	18700	700	2	20	898	/	/	/	23.33	22.93	24.50
CA_5B	5	10	QPSK	1	25	20450	2450	5	10	2549	/	/	/	23.92	23.66	25.00
CA_38C	38	20	QPSK	1	99	38150	38150	38	20	38048	/	/	/	24.45	24.15	25.00
CA_41C	41	20	QPSK	1	0	40140	40140	41	20	40338	/	/	/	23.88	23.44	24.50
CA_7A-7A	7	20	QPSK	1	50	21350	3350	7	20	2850	/	/	/	24.13	23.77	24.50
CA_2A-5A	2	20	QPSK	1	99	18700	700	5	10	2525	/	/	/	23.33	22.91	24.50
	5	10	QPSK	1	25	20450	2450	2	20	900	/	/	/	23.92	23.61	25.00
CA_2A-12A	2	20	QPSK	1	99	18700	700	12	10	5095	/	/	/	23.33	22.91	24.50
	12	10	QPSK	1	0	23095	5095	2	20	900	/	/	/	24.03	23.71	25.00
CA_2A-17A	2	10	QPSK	1	25	18650	650	17	10	5790	/	/	/	23.10	22.78	24.50
	17	10	QPSK	1	49	23790	5790	2	10	2300	/	/	/	24.22	23.72	25.00
CA_4A-5A	5	10	QPSK	1	25	20450	2450	4	20	2300	/	/	/	23.92	23.59	25.00
CA_4A-7A	4	20	QPSK	1	0	20050	2050	7	20	3100	/	/	/	23.58	23.21	24.50
	7	20	QPSK	1	50	21350	3350	4	20	2300	/	/	/	24.13	23.77	24.50
CA_4A-17A	4	10	QPSK	1	0	20000	2000	17	10	5790	/	/	/	23.36	22.91	24.50
CA_5A-7A	5	10	QPSK	1	25	20450	2450	7	20	3100	/	/	/	23.92	23.59	25.00
	7	20	QPSK	1	50	21350	3350	5	10	2525	/	/	/	24.13	23.77	24.50
CA_7A-12A	7	20	QPSK	1	50	21350	3350	12	5	5095	/	/	/	24.13	23.77	24.50
	12	10	QPSK	1	0	23095	5095	7	20	3100	/	/	/	24.03	23.74	25.00
CA_41D	41	20	QPSK	1	0	40140	40140	41	20	40338	41	20	40536	23.88	23.44	24.50
CA_2A-12B	2	20	QPSK	1	99	18700	700	12	5	5095	12	5	5143	23.33	22.91	24.50
	12	10	QPSK	1	0	23095	5095	12	5	5143	2	20	900	24.03	23.74	25.00
CA_4A-7C	4	20	QPSK	1	0	20050	2050	7	20	3100	7	20	3298	23.58	23.21	24.50
	7	20	QPSK	1	50	21350	3350	7	20	3152	4	20	2300	24.13	23.77	24.50
CA_4A-12B	4	20	QPSK	1	0	20050	2050	12	5	5095	12	5	5143	23.58	23.21	24.50
CA_4A-12A-12A	4	20	QPSK	1	0	20050	2050	12	5	5095	12	5	5155	23.58	23.21	24.50
CA_5A-7C	5	10	QPSK	1	25	20450	2450	7	20	3100	7	20	3298	23.92	23.59	25.00
	7	20	QPSK	1	50	21350	3350	7	20	3152	5	10	2525	24.13	23.77	24.50

Table 114: Conducted power measurement results of DL CA(Main Antenna,Reduced Power Level D1/D9)

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	50	18900	900	2	20	1098	/	/	/	22.53	22.33	23.50
CA_5B	5	10	QPSK	1	25	20450	2450	5	10	2549	/	/	/	23.92	23.79	25.00
CA_38C	38	20	16QAM	1	50	38150	38150	38	20	38048	/	/	/	22.61	22.57	23.00
CA_41C	41	20	QPSK	1	0	40140	40140	41	20	40338	/	/	/	23.88	23.90	24.50
CA_7A-7A	7	20	64QAM	1	99	21100	3100	7	20	2850	/	/	/	20.76	20.44	21.00
CA_2A-5A	2	20	16QAM	1	50	18900	900	5	10	2525	/	/	/	22.53	22.33	23.50
	5	10	QPSK	1	25	20450	2450	2	20	900	/	/	/	23.92	23.74	25.00
CA_2A-12A	2	20	16QAM	1	50	18900	900	12	10	5095	/	/	/	22.53	22.33	23.50
	12	10	QPSK	1	0	23095	5095	2	20	900	/	/	/	24.03	23.82	25.00
CA_2A-17A	2	10	QPSK	1	0	18650	650	17	10	5790	/	/	/	22.31	22.11	23.50
	17	10	QPSK	1	49	23790	5790	2	10	2300	/	/	/	24.22	24.00	25.00
CA_4A-5A	5	10	QPSK	1	25	20450	2450	4	20	2300	/	/	/	23.92	23.72	25.00
CA_4A-7A	4	20	16QAM	1	50	20300	2300	7	20	3100	/	/	/	21.90	21.71	22.50
	7	20	64QAM	1	99	21100	3100	4	20	2300	/	/	/	20.76	20.44	21.00
CA_4A-17A	4	10	64QAM	1	25	20350	2350	17	10	5790	/	/	/	21.62	21.35	22.50
CA_5A-7A	5	10	QPSK	1	25	20450	2450	7	20	3100	/	/	/	23.92	23.72	25.00
	7	20	64QAM	1	99	21100	3100	5	10	2525	/	/	/	20.76	20.44	21.00
CA_7A-12A	7	20	64QAM	1	99	21100	3100	12	5	5095	/	/	/	20.76	20.44	21.00
	12	10	QPSK	1	0	23095	5095	7	20	3100	/	/	/	24.03	23.87	25.00
CA_41D	41	20	QPSK	1	0	40140	40140	41	20	40338	41	20	40536	23.88	23.90	24.50
CA_2A-12B	2	20	16QAM	1	50	18900	900	12	5	5095	12	5	5143	22.53	22.33	23.50
	12	10	QPSK	1	0	23095	5095	12	5	5143	2	20	900	24.03	23.87	25.00
CA_4A-7C	4	20	16QAM	1	50	20300	2300	7	20	3100	7	20	3298	21.90	21.71	22.50
	7	20	64QAM	1	99	21100	3100	7	20	3152	4	20	2300	20.76	20.44	21.00
CA_4A-12B	4	20	16QAM	1	50	20300	2300	12	5	5095	12	5	5143	21.90	21.71	22.50
CA_4A-12A-12A	4	20	16QAM	1	50	20300	2300	12	5	5095	12	5	5155	21.90	21.71	22.50
CA_5A-7C	5	10	QPSK	1	25	20450	2450	7	20	3100	7	20	3298	23.92	23.72	25.00
	7	20	64QAM	1	99	21100	3100	7	20	3298	5	10	2525	20.76	20.44	21.00

Table 115: 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 (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	QPSK	1	99	18700	700	2	20	898	/	/	/	23.33	23.04	24.50
CA_5B	5	10	QPSK	1	25	20450	2450	5	10	2549	/	/	/	23.92	23.68	25.00
CA_38C	38	20	16QAM	1	0	37850	37850	38	20	38048	/	/	/	23.64	23.46	24.00
CA_41C	41	20	QPSK	1	0	40140	40140	41	20	40338	/	/	/	23.88	23.70	24.50
CA_7A-7A	7	20	16QAM	1	0	21350	3350	7	20	2850	/	/	/	21.84	21.36	22.00
CA_2A-5A	2	20	QPSK	1	99	18700	700	5	10	2525	/	/	/	23.33	23.06	24.50
	5	10	QPSK	1	25	20450	2450	2	20	900	/	/	/	23.92	23.63	25.00
CA_2A-12A	2	20	QPSK	1	99	18700	700	12	10	5095	/	/	/	23.33	23.14	24.50
	12	10	QPSK	1	0	23095	5095	2	20	900	/	/	/	24.03	23.67	25.00
CA_2A-17A	2	10	QPSK	1	25	18650	650	17	10	5790	/	/	/	23.10	22.76	24.50
	17	10	QPSK	1	49	23790	5790	2	10	2300	/	/	/	24.22	23.87	25.00
CA_4A-5A	5	10	QPSK	1	25	20450	2450	4	20	2300	/	/	/	23.92	23.61	25.00
CA_4A-7A	4	20	QPSK	1	0	20050	2050	7	20	3100	/	/	/	23.58	23.25	24.50
	7	20	16QAM	1	0	21350	3350	4	20	2300	/	/	/	21.84	21.36	22.00
CA_4A-17A	4	10	QPSK	1	0	20000	2000	17	10	5790	/	/	/	23.36	23.03	24.50
CA_5A-7A	5	10	QPSK	1	25	20450	2450	7	20	3100	/	/	/	23.92	23.61	25.00
	7	20	16QAM	1	0	21350	3350	5	10	2525	/	/	/	21.84	21.36	22.00
CA_7A-12A	7	20	16QAM	1	0	21350	3350	12	5	5095	/	/	/	21.84	21.36	22.00
	12	10	QPSK	1	0	23095	5095	7	20	3100	/	/	/	24.03	23.76	25.00
CA_41D	41	20	QPSK	1	0	40140	40140	41	20	40338	41	20	40536	23.88	23.70	24.50
CA_2A-12B	2	20	QPSK	1	99	18700	700	12	5	5095	12	5	5143	23.33	23.12	24.50
	12	10	QPSK	1	0	23095	5095	12	5	5143	2	20	900	24.03	23.76	25.00
CA_4A-7C	4	20	QPSK	1	0	20050	2050	7	20	3100	7	20	3298	23.58	23.28	24.50
	7	20	16QAM	1	0	21350	3350	7	20	3152	4	20	2300	21.84	21.36	22.00
CA_4A-12B	4	20	QPSK	1	0	20050	2050	12	5	5095	12	5	5143	23.58	23.25	24.50
CA_4A-12A-12A	4	20	QPSK	1	0	20050	2050	12	5	5095	12	5	5155	23.58	23.10	24.50
CA_5A-7C	5	10	QPSK	1	25	20450	2450	7	20	3100	7	20	3298	23.92	23.61	25.00
	7	20	16QAM	1	0	21350	3350	7	20	3152	5	10	2525	21.84	21.36	22.00

Table 116: Conducted power measurement results of DL CA(Main Antenna,Reduced Power Level D3)

7.1.30 Conducted power measurements of LTE Downlink 4x4 MIMO

LTE Band	Bandwidth /MHz	Channel	Modulation	RB Size	RB Offset	4x4 DL MIMO Tx. Power (dBm)	Single Antenna Tx. Power (dBm)	Tune-up
LTE Band 7	20	21100	64QAM	1	50	20.15	19.99	20.50

Table 117: Conducted power measurement results of LTE Band 7 DL 4x4 MIMO(Second 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	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	Rel 8 LTE Tx Power (dBm)	DL LTE CA Tx Power (dBm)	Tune-up
CA_4A-7A	4	20	QPSK	1	99	20175	2175	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	22.91	22.85	24.00
	7	20	64QAM	1	50	21100	3100	4*4 MIMO	4	20	2300	2*2 MIMO	/	/	/	/	20.15	19.76	20.50
CA_5A-7A	5	10	QPSK	1	49	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	23.81	23.60	24.50
	7	20	64QAM	1	50	21100	3100	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	20.15	19.98	20.50
CA_7A-12A	7	20	64QAM	1	50	21100	3100	4*4 MIMO	12	10	5095	2*2 MIMO	/	/	/	/	20.15	19.74	20.50
	12	10	QPSK	1	0	23060	5060	4*4 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	24.03	23.94	25.00
CA_4A-7C	4	20	QPSK	1	99	20175	2175	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	22.91	22.84	24.00
	7	20	64QAM	1	50	21100	3100	4*4 MIMO	7	20	3298	4*4 MIMO	4	20	2300	2*2 MIMO	20.15	19.77	20.50
CA_5A-7C	5	10	QPSK	1	49	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	23.81	23.31	24.50
	7	20	64QAM	1	50	21100	3100	4*4 MIMO	7	20	3298	4*4 MIMO	5	10	2525	2*2 MIMO	20.15	19.67	20.50

Table 118: Conducted power measurement results of LTE DL 4x4 MIMO with CA(Second Antenna,Full Power)

LTE Band	Bandwidth/MHz	Channel	Modulation	RB Size	RB Offset	4x4 DL MIMO Tx. Power (dBm)	Single Antenna Tx. Power (dBm)	Tune-up
LTE Band 7	20	21350	16QAM	1	50	15.19	14.95	15.50

Table 119: Conducted power measurement results of LTE Band 7 DL 4x4 MIMO(Second Antenna,Reduced Power Level D1)

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	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	Rel 8 LTE Tx Power (dBm)	DL LTE CA Tx Power (dBm)	Tune-up
CA_4A-7A	4	20	64QAM	1	20	20300	2300	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	16.96	16.89	17.50
	7	20	16QAM	1	50	21350	3350	4*4 MIMO	4	20	2300	2*2 MIMO	/	/	/	/	15.19	14.70	15.50
CA_5A-7A	5	10	16QAM	1	25	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	18.09	17.84	18.50
	7	20	16QAM	1	50	21350	3350	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	15.19	14.94	15.50
CA_7A-12A	7	20	16QAM	1	50	21350	3350	4*4 MIMO	12	10	5095	2*2 MIMO	/	/	/	/	15.19	14.67	15.50
	12	10	16QAM	1	49	23095	5095	4*4 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	19.83	19.72	20.50
CA_4A-7C	4	20	64QAM	1	20	20300	2300	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	16.96	16.82	17.50
	7	20	16QAM	1	50	21350	3350	4*4 MIMO	7	20	3152	4*4 MIMO	4	20	2300	2*2 MIMO	15.19	14.90	15.50
CA_5A-7C	5	10	16QAM	1	25	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	18.09	17.60	18.50
	7	20	16QAM	1	50	21350	3350	4*4 MIMO	7	20	3152	4*4 MIMO	5	10	2525	2*2 MIMO	15.19	14.73	15.50

Table 120: Conducted power measurement results of LTE DL 4x4 MIMO with CA(Second Antenna,Reduced Power Level D1)

LTE Band	Bandwidth/MHz	Channel	Modulation	RB Size	RB Offset	4x4 DL MIMO Tx. Power (dBm)	Single Antenna Tx. Power (dBm)	Tune-up
LTE Band 7	20	21350	16QAM	1	0	13.39	13.12	13.50

Table 121: Conducted power measurement results of LTE Band 7 DL 4x4 MIMO(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 Channel	PCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	Rel 8 LTE Tx Power (dBm)	DL LTE CA Tx Power (dBm)	Tune-up
CA_4A-7A	4	20	16QAM	1	20	20300	2300	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	13.81	13.68	14.50
	7	20	16QAM	1	0	21350	3350	4*4 MIMO	4	20	2300	2*2 MIMO	/	/	/	/	13.39	12.97	13.50
CA_5A-7A	5	10	16QAM	1	25	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	18.09	18.11	18.50
	7	20	16QAM	1	0	21350	3350	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	13.39	13.14	13.50
CA_7A-12A	7	20	16QAM	1	0	21350	3350	4*4 MIMO	12	5	5095	2*2 MIMO	/	/	/	/	13.39	12.78	13.50
	12	10	16QAM	1	49	23095	5095	4*4 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	19.83	19.70	20.50
CA_4A-7C	4	20	16QAM	1	20	20300	2300	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	13.81	13.66	14.50
	7	20	16QAM	1	0	21350	3350	4*4 MIMO	7	20	3152	4*4 MIMO	4	20	2300	2*2 MIMO	13.39	13.11	13.50
CA_5A-7C	5	10	16QAM	1	25	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	18.09	17.83	18.50
	7	20	16QAM	1	0	21350	3350	4*4 MIMO	7	20	3152	4*4 MIMO	5	10	2525	2*2 MIMO	13.39	12.97	13.50

Table 122: Conducted power measurement results of LTE DL 4x4 MIMO with CA(Second Antenna,Reduced Power Level D3)

LTE Band	Bandwidth/MHz	Channel	Modulation	RB Size	RB Offset	4x4 DL MIMO Tx. Power (dBm)	Single Antenna Tx. Power (dBm)	Tune-up
LTE Band 7	20	21350	QPSK	1	0	18.29	18.05	18.50

Table 123: Conducted power measurement results of LTE Band 7 DL 4x4 MIMO(Second Antenna,Reduced Power Level D2)

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	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	Rel 8 LTE Tx Power (dBm)	DL LTE CA Tx Power (dBm)	Tune-up
CA_4A-7A	4	20	QPSK	1	99	20300	2300	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	20.20	20.04	21.00
	7	20	QPSK	1	0	21350	3350	4*4 MIMO	4	20	2300	2*2 MIMO	/	/	/	/	18.29	17.96	18.50
CA_5A-7A	5	10	QPSK	1	49	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	23.81	23.73	24.50
	7	20	QPSK	1	0	21350	3350	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	18.29	18.10	18.50
CA_7A-12A	7	20	QPSK	1	0	21350	3350	4*4 MIMO	12	5	5095	2*2 MIMO	/	/	/	/	18.29	17.87	18.50
	12	10	QPSK	1	0	23060	5060	4*4 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	24.03	23.93	25.00
CA_4A-7C	4	20	QPSK	1	99	20300	2300	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	20.20	20.05	21.00
	7	20	QPSK	1	0	21350	3350	4*4 MIMO	7	20	3152	4*4 MIMO	4	20	2300	2*2 MIMO	18.29	18.00	18.50
CA_5A-7C	5	10	QPSK	1	49	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	23.81	23.53	24.50
	7	20	QPSK	1	0	21350	3350	4*4 MIMO	7	20	3152	4*4 MIMO	5	10	2525	2*2 MIMO	18.29	17.83	18.50

Table 124: Conducted power measurement results of LTE DL 4x4 MIMO with CA(Second Antenna,Reduced Power Level D2)

LTE Band	Bandwidth/MHz	Channel	Modulation	RB Size	RB Offset	4x4 DL MIMO Tx. Power (dBm)	Single Antenna Tx. Power (dBm)	Tune-up
LTE Band 7	20	21350	QPSK	1	50	24.13	23.82	24.50

Table 125: Conducted power measurement results of LTE Band 7 DL 4x4 MIMO(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	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	Rel 8 LTE Tx Power (dBm)	DL LTE CA Tx Power (dBm)	Tune-up
CA_4A-7A	4	20	QPSK	1	50	20050	2050	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	24.10	23.97	25.00
	7	20	QPSK	1	50	21350	3350	4*4 MIMO	4	20	2300	2*2 MIMO	/	/	/	/	24.13	23.87	24.50
CA_5A-7A	5	10	QPSK	1	25	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	23.92	23.83	25.00
	7	20	QPSK	1	50	21350	3350	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	24.13	24.01	24.50
CA_7A-12A	7	20	QPSK	1	50	21350	3350	4*4 MIMO	12	5	5095	2*2 MIMO	/	/	/	/	24.13	23.78	24.50
	12	10	QPSK	1	0	23095	5095	4*4 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	24.03	23.96	25.00
CA_4A-7C	4	20	QPSK	1	50	20050	2050	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	24.10	23.98	25.00
	7	20	QPSK	1	50	21350	3350	4*4 MIMO	7	20	3152	4*4 MIMO	4	20	2300	2*2 MIMO	24.13	23.91	24.50
CA_5A-7C	5	10	QPSK	1	25	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	23.92	23.63	25.00
	7	20	QPSK	1	50	21350	3350	4*4 MIMO	7	20	3152	4*4 MIMO	5	10	2525	2*2 MIMO	24.13	23.74	24.50

Table 126: Conducted power measurement results of LTE DL 4x4 MIMO(Main Antenna,Full Power)

LTE Band	Bandwidth/MHz	Channel	Modulation	RB Size	RB Offset	4x4 DL MIMO Tx. Power (dBm)	Single Antenna Tx. Power (dBm)	Tune-up
LTE Band 7	20	21100	64QAM	1	99	20.76	20.55	21.00

Table 127: Conducted power measurement results of LTE Band 7 DL 4x4 MIMO(Main Antenna,Reduced Power Level D4)

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	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	Rel 8 LTE Tx Power (dBm)	DL LTE CA Tx Power (dBm)	Tune-up
CA_4A-7A	4	20	16QAM	1	99	20300	2300	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	22.28	22.11	23.00
	7	20	64QAM	1	99	21100	3100	4*4 MIMO	4	20	2300	2*2 MIMO	/	/	/	/	20.76	20.40	21.00
CA_5A-7A	5	10	QPSK	1	25	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	23.92	23.80	25.00
	7	20	64QAM	1	99	21100	3100	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	20.76	20.51	21.00
CA_7A-12A	7	20	64QAM	1	99	21100	3100	4*4 MIMO	12	5	5095	2*2 MIMO	/	/	/	/	20.76	20.28	21.00
	12	10	QPSK	1	0	23095	5095	4*4 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	24.03	23.90	25.00
CA_4A-7C	4	20	16QAM	1	99	20300	2300	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	22.28	22.12	23.00
	7	20	64QAM	1	99	21100	3100	4*4 MIMO	7	20	3298	4*4 MIMO	4	20	2300	2*2 MIMO	20.76	20.40	21.00
CA_5A-7C	5	10	QPSK	1	25	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	23.92	23.55	25.00
	7	20	64QAM	1	99	21100	3100	4*4 MIMO	7	20	3298	4*4 MIMO	5	10	2525	2*2 MIMO	20.76	20.25	21.00

Table 128: Conducted power measurement results of LTE DL 4x4 MIMO with CA(Main Antenna,Reduced Power Level D4)

LTE Band	Bandwidth /MHz	Channel	Modulation	RB Size	RB Offset	4x4 DL MIMO Tx. Power (dBm)	Single Antenna Tx. Power (dBm)	Tune-up
LTE Band 7	20	21350	16QAM	1	0	21.84	21.55	22.00

Table 129: Conducted power measurement results of LTE Band 7 DL 4x4 MIMO(Main Antenna,Reduced Power Level D5)

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	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	Rel 8 LTE Tx Power (dBm)	DL LTE CA Tx Power (dBm)	Tune-up
CA_4A-7A	4	20	QPSK	1	50	20050	2050	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	24.10	23.83	25.00
	7	20	16QAM	1	0	21350	3350	4*4 MIMO	4	20	2300	2*2 MIMO	/	/	/	/	21.84	21.36	22.00
CA_5A-7A	5	10	QPSK	1	25	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	23.92	23.79	25.00
	7	20	16QAM	1	0	21350	3350	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	21.84	21.50	22.00
CA_7A-12A	7	20	16QAM	1	0	21350	3350	4*4 MIMO	12	5	5095	2*2 MIMO	/	/	/	/	21.84	21.27	22.00
	12	10	QPSK	1	0	23095	5095	4*4 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	24.03	23.85	25.00
CA_4A-7C	4	20	QPSK	1	50	20050	2050	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	24.10	23.84	25.00
	7	20	16QAM	1	0	21350	3350	4*4 MIMO	7	20	3152	4*4 MIMO	4	20	2300	2*2 MIMO	21.84	21.40	22.00
CA_5A-7C	5	10	QPSK	1	25	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	23.92	23.52	25.00
	7	20	16QAM	1	0	21350	3350	4*4 MIMO	7	20	3152	4*4 MIMO	5	10	2525	2*2 MIMO	21.84	21.23	22.00

Table 130: Conducted power measurement results of LTE DL 4x4 MIMO with CA(Main Antenna,Reduced Power Level D5)

LTE Band	Bandwidth /MHz	Channel	Modulation	RB Size	RB Offset	4x4 DL MIMO Tx. Power (dBm)	Single Antenna Tx. Power (dBm)	Tune-up
LTE Band 7	20	21350	64QAM	1	0	21.39	21.21	21.50

Table 131: Conducted power measurement results of LTE Band 7 DL 4x4 MIMO(Main Antenna,Reduced Power Level D6/D10)

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	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	Rel 8 LTE Tx Power (dBm)	DL LTE CA Tx Power (dBm)	Tune-up
CA_4A-7A	4	20	16QAM	1	0	20300	2300	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	20.90	23.68	21.50
	7	20	64QAM	1	0	21350	3350	4*4 MIMO	4	20	2300	2*2 MIMO	/	/	/	/	21.39	21.06	21.50
CA_5A-7A	5	10	QPSK	1	25	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	23.92	23.72	25.00
	7	20	64QAM	1	0	21350	3350	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	21.39	21.21	21.50
CA_7A-12A	7	20	64QAM	1	0	21350	3350	4*4 MIMO	12	5	5095	2*2 MIMO	/	/	/	/	21.39	20.98	21.50
	12	10	QPSK	1	0	23095	5095	4*4 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	24.03	23.89	25.00
CA_4A-7C	4	20	16QAM	1	0	20300	2300	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	20.90	23.64	21.50
	7	20	64QAM	1	0	21350	3350	4*4 MIMO	7	20	3152	4*4 MIMO	4	20	2300	2*2 MIMO	21.39	21.11	21.50
CA_5A-7C	5	10	QPSK	1	25	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	23.92	23.54	25.00
	7	20	64QAM	1	0	21350	3350	4*4 MIMO	7	20	3152	4*4 MIMO	5	10	2525	2*2 MIMO	21.39	20.93	21.50

Table 132: Conducted power measurement results of LTE DL 4x4 MIMO with CA for Main Antenna(Main Antenna,Reduced Power Level D6/D10)

LTE Band	Bandwidth /MHz	Channel	Modulation	RB Size	RB Offset	4x4 DL MIMO Tx. Power (dBm)	Single Antenna Tx. Power (dBm)	Tune-up
LTE Band 7	20	21350	64QAM	1	20	17.89	17.70	18.00

Table 133: Conducted power measurement results of LTE Band 7 DL 4x4 MIMO(Main Antenna,Reduced Power Level D7)

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	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	Rel 8 LTE Tx Power (dBm)	DL LTE CA Tx Power (dBm)	Tune-up
CA_4A-7A	4	20	64QAM	1	99	20300	2300	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	18.93	18.67	19.50
	7	20	64QAM	1	20	21350	3350	4*4 MIMO	4	20	2300	2*2 MIMO	/	/	/	/	17.89	17.61	18.00
CA_5A-7A	5	10	QPSK	1	25	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	23.92	23.81	25.00
	7	20	64QAM	1	20	21350	3350	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	17.89	17.75	18.00
CA_7A-12A	7	20	64QAM	1	20	21350	3350	4*4 MIMO	12	5	5095	2*2 MIMO	/	/	/	/	17.89	17.52	18.00
	12	10	QPSK	1	0	23095	5095	4*4 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	24.03	23.94	25.00
CA_4A-7C	4	20	64QAM	1	99	20300	2300	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	18.93	18.68	19.50
	7	20	64QAM	1	20	21350	3350	4*4 MIMO	7	20	3152	4*4 MIMO	4	20	2300	2*2 MIMO	17.89	17.65	18.00
CA_5A-7C	5	10	QPSK	1	25	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	23.92	23.61	25.00
	7	20	64QAM	1	20	21350	3350	4*4 MIMO	7	20	3152	4*4 MIMO	5	10	2525	2*2 MIMO	17.89	17.48	18.00

Table 134: Conducted power measurement results of LTE DL 4x4 MIMO with CA(Main Antenna,Reduced Power Level D7)

LTE Band	Bandwidth/MHz	Channel	Modulation	RB Size	RB Offset	4x4 DL MIMO Tx. Power (dBm)	Single Antenna Tx. Power (dBm)	Tune-up
LTE Band 7	20	21350	21350	64QAM	1	20	18.88	18.66

Table 135: Conducted power measurement results of LTE Band 7 DL 4x4 MIMO(Main Antenna,Reduced Power Level D8)

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	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	Rel 8 LTE Tx Power (dBm)	DL LTE CA Tx Power (dBm)	Tune-up
CA_4A-7A	4	20	16QAM	1	0	20300	2300	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	20.90	23.66	21.50
	7	20	64QAM	1	20	21350	3350	4*4 MIMO	4	20	2300	2*2 MIMO	/	/	/	/	18.88	18.49	19.00
CA_5A-7A	5	10	QPSK	1	25	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	23.92	23.72	25.00
	7	20	64QAM	7	20	21350	3350	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	18.88	18.73	19.00
CA_7A-12A	7	20	64QAM	7	20	21350	3350	4*4 MIMO	12	5	5095	2*2 MIMO	/	/	/	/	18.88	18.51	19.00
	12	10	QPSK	1	0	23095	5095	4*4 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	24.03	23.93	25.00
CA_4A-7C	4	20	16QAM	1	0	20300	2300	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	20.90	23.70	21.50
	7	20	64QAM	7	20	21350	3350	4*4 MIMO	7	20	3152	4*4 MIMO	4	20	2300	2*2 MIMO	18.88	18.63	19.00
CA_5A-7C	5	10	QPSK	1	25	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	23.92	23.60	25.00
	7	20	64QAM	7	20	21350	3350	4*4 MIMO	7	20	3152	4*4 MIMO	5	10	2525	2*2 MIMO	18.88	18.36	19.00

Table 136: Conducted power measurement results of LTE DL 4x4 MIMO with CA(Main Antenna,Reduced Power Level D8)

LTE Band	Bandwidth /MHz	Channel	Modulation	RB Size	RB Offset	4x4 DL MIMO Tx. Power (dBm)	Single Antenna Tx. Power (dBm)	Tune-up
LTE Band 7	20	21350	QPSK	1	50	24.13	23.87	24.50

Table 137: Conducted power measurement results of LTE Band 7 DL 4x4 MIMO(Main Antenna,Reduced Power Level D1/D9)

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	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	Rel 8 LTE Tx Power (dBm)	DL LTE CA Tx Power (dBm)	Tune-up
CA_4A-7A	4	20	QPSK	1	0	20050	2050	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	23.58	23.31	24.50
	7	20	QPSK	1	50	21350	3350	4*4 MIMO	4	20	2300	2*2 MIMO	/	/	/	/	24.13	23.72	24.50
CA_5A-7A	5	10	QPSK	1	25	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	23.92	23.70	25.00
	7	20	QPSK	1	50	21350	3350	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	24.13	23.86	24.50
CA_7A-12A	7	20	QPSK	1	50	21350	3350	4*4 MIMO	12	5	5095	2*2 MIMO	/	/	/	/	24.13	23.63	24.50
	12	10	QPSK	1	0	23095	5095	4*4 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	24.03	23.83	25.00
CA_4A-7C	4	20	QPSK	1	0	20050	2050	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	23.58	23.32	24.50
	7	20	QPSK	1	50	21350	3350	4*4 MIMO	7	20	3152	4*4 MIMO	4	20	2300	2*2 MIMO	24.13	23.76	24.50
CA_5A-7C	5	10	QPSK	1	25	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	23.92	23.50	25.00
	7	20	QPSK	1	50	21350	3350	4*4 MIMO	7	20	3152	4*4 MIMO	5	10	2525	2*2 MIMO	24.13	23.59	24.50

Table 138: Conducted power measurement results of LTE DL 4x4 MIMO with CA for Main Antenna(Main Antenna,Reduced Power Level D1/D9)

LTE Band	Bandwidth /MHz	Channel	Modulation	RB Size	RB Offset	4x4 DL MIMO Tx. Power (dBm)	Single Antenna Tx. Power (dBm)	Tune-up
LTE Band 7	20	21350	64QAM	1	99	20.76	20.48	21.00

Table 139: Conducted power measurement results of LTE Band 7 DL 4x4 MIMO(Main Antenna,Reduced Power Level D2)

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	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	Rel 8 LTE Tx Power (dBm)	DL LTE CA Tx Power (dBm)	Tune-up
CA_4A-7A	4	20	16QAM	1	50	20300	2300	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	21.90	21.81	22.50
	7	20	64QAM	1	99	21100	3100	4*4 MIMO	4	20	2300	2*2 MIMO	/	/	/	/	20.76	20.39	21.00
CA_5A-7A	5	10	QPSK	1	25	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	23.92	23.83	25.00
	7	20	64QAM	1	99	21100	3100	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	20.76	20.53	21.00
CA_7A-12A	7	20	64QAM	1	99	21100	3100	4*4 MIMO	12	5	5095	2*2 MIMO	/	/	/	/	20.76	20.30	21.00
	12	10	QPSK	1	0	23095	5095	4*4 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	24.03	23.96	25.00
CA_4A-7C	4	20	16QAM	1	50	20300	2300	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	21.90	21.82	22.50
	7	20	64QAM	1	99	21100	3100	4*4 MIMO	7	20	3152	4*4 MIMO	4	20	2300	2*2 MIMO	20.76	20.43	21.00
CA_5A-7C	5	10	QPSK	1	25	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	23.92	23.63	25.00
	7	20	64QAM	1	99	21100	3100	4*4 MIMO	7	20	3298	4*4 MIMO	5	10	2525	2*2 MIMO	20.76	20.26	21.00

Table 140: Conducted power measurement results of LTE DL 4x4 MIMO with CA for Main Antenna(Main Antenna,Reduced Power Level D2)

LTE Band	Bandwidth /MHz	Channel	Modulation	RB Size	RB Offset	4x4 DL MIMO Tx. Power (dBm)	Single Antenna Tx. Power (dBm)	Tune-up
LTE Band 7	20	21350	16QAM	1	0	21.84	21.56	22.00

Table 141: Conducted power measurement results of LTE Band 7 DL 4x4 MIMO(Main 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 Channel	PCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	SCC Band	SCC Bandwidth (MHz)	SCC DL Channel	DL Antenna Configuration	Rel 8 LTE Tx Power (dBm)	DL LTE CA Tx Power (dBm)	Tune-up
CA_4A-7A	4	20	QPSK	1	0	20050	2050	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	23.58	23.35	24.50
	7	20	16QAM	1	0	21350	3350	4*4 MIMO	4	20	2300	2*2 MIMO	/	/	/	/	21.84	21.31	22.00
CA_5A-7A	5	10	QPSK	1	25	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	23.92	23.72	25.00
	7	20	16QAM	1	0	21350	3350	4*4 MIMO	5	10	2525	2*2 MIMO	/	/	/	/	21.84	21.45	22.00
CA_7A-12A	7	20	16QAM	1	0	21350	3350	4*4 MIMO	12	5	5095	2*2 MIMO	/	/	/	/	21.84	21.22	22.00
	12	10	QPSK	1	0	23095	5095	4*4 MIMO	7	20	3100	4*4 MIMO	/	/	/	/	24.03	23.85	25.00
CA_4A-7C	4	20	QPSK	1	0	20050	2050	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	23.58	23.39	24.50
	7	20	16QAM	1	0	21350	3350	4*4 MIMO	7	20	3152	4*4 MIMO	4	20	2300	2*2 MIMO	21.84	21.35	22.00
CA_5A-7C	5	10	QPSK	1	25	20450	2450	2*2 MIMO	7	20	3100	4*4 MIMO	7	20	3298	4*4 MIMO	23.92	23.52	25.00
	7	20	16QAM	1	0	21350	3350	4*4 MIMO	7	20	3152	4*4 MIMO	5	10	2525	2*2 MIMO	21.84	21.18	22.00

Table 142: Conducted power measurement results of LTE DL 4x4 MIMO with CA for Main Antenna(Main Antenna,Reduced Power Level D3)

7.1.31 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.

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 143: 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.

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

The UL CA conducted power measurements results are as below:

Antenna	CA Combination	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	CA_7C	Full Power	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	19.69	20.50
SEC ANT	CA_7C	Full Power	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	19.74	20.50
SEC ANT	CA_7C	Full Power	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	19.71	20.50
SEC ANT	CA_7C	Full Power	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	19.67	20.50
SEC ANT	CA_7C	Reduced Power Level D1	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	14.58	15.50
SEC ANT	CA_7C	Reduced Power Level D1	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	14.54	15.50
SEC ANT	CA_7C	Reduced Power Level D1	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	14.61	15.50
SEC ANT	CA_7C	Reduced Power Level D1	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	14.57	15.50
SEC ANT	CA_7C	Reduced Power Level D3	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	12.60	13.50
SEC ANT	CA_7C	Reduced Power Level D3	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	12.73	13.50
SEC ANT	CA_7C	Reduced Power Level D3	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	12.58	13.50
SEC ANT	CA_7C	Reduced Power Level D3	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	12.65	13.50
SEC ANT	CA_7C	Reduced Power Level D2	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	17.72	18.50
SEC ANT	CA_7C	Reduced Power Level D2	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	17.69	18.50
SEC ANT	CA_7C	Reduced Power Level D2	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	17.78	18.50
SEC ANT	CA_7C	Reduced Power Level D2	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	17.62	18.50
MAIN ANT	CA_7C	Full Power	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	23.43	24.50
MAIN ANT	CA_7C	Full Power	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	23.52	24.50
MAIN ANT	CA_7C	Full Power	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	23.47	24.50
MAIN ANT	CA_7C	Full Power	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	23.50	24.50
MAIN ANT	CA_7C	Reduced Power Level D2/D4	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	20.17	21.00
MAIN ANT	CA_7C	Reduced Power Level D2/D4	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	20.11	21.00
MAIN ANT	CA_7C	Reduced Power Level D2/D4	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	20.08	21.00
MAIN ANT	CA_7C	Reduced Power Level D2/D4	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	20.22	21.00
MAIN ANT	CA_7C	Reduced Power Level D3/D5	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	21.17	22.00
MAIN ANT	CA_7C	Reduced Power Level D3/D5	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	21.09	22.00
MAIN ANT	CA_7C	Reduced Power Level D3/D5	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	21.21	22.00
MAIN ANT	CA_7C	Reduced Power Level D3/D5	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	21.12	22.00
MAIN ANT	CA_7C	Reduced Power Level D6/D10	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	20.20	21.50
MAIN ANT	CA_7C	Reduced Power Level D6/D10	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	20.34	21.50
MAIN ANT	CA_7C	Reduced Power Level D6/D10	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	20.47	21.50
MAIN ANT	CA_7C	Reduced Power Level D6/D10	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	20.36	21.50
MAIN ANT	CA_7C	Reduced Power Level D7	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	16.61	18.00
MAIN ANT	CA_7C	Reduced Power Level D7	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	17.10	18.00
MAIN ANT	CA_7C	Reduced Power Level D7	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	16.66	18.00
MAIN ANT	CA_7C	Reduced Power Level D7	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	17.12	18.00
MAIN ANT	CA_7C	Reduced Power Level D8	QPSK	7	20	1	99	20850	2850	7	20	21048	1	0	17.74	19.00
MAIN ANT	CA_7C	Reduced Power Level D8	QPSK	7	20	1	99	21100	3100	7	20	21298	1	0	18.32	19.00
MAIN ANT	CA_7C	Reduced Power Level D8	QPSK	7	20	1	0	21100	3100	7	20	20902	1	99	17.77	19.00
MAIN ANT	CA_7C	Reduced Power Level D8	QPSK	7	20	1	0	21350	3350	7	20	21152	1	99	18.34	19.00
SEC ANT	CA_38C	Full Power	QPSK	38	20	1	99	37850	37850	38	20	38048	1	0	22.46	23.50
SEC ANT	CA_38C	Full Power	QPSK	38	20	1	0	38150	38150	38	20	37952	1	99	22.45	23.50
SEC ANT	CA_38C	Reduced Power Level D1	QPSK	38	20	1	99	37850	37850	38	20	38048	1	0	18.18	19.00
SEC ANT	CA_38C	Reduced Power Level D1	QPSK	38	20	1	0	38150	38150	38	20	37952	1	99	18.14	19.00
SEC ANT	CA_38C	Reduced Power Level D3	QPSK	38	20	1	99	37850	37850	38	20	38048	1	0	17.22	18.00
SEC ANT	CA_38C	Reduced Power Level D3	QPSK	38	20	1	0	38150	38150	38	20	37952	1	99	17.15	18.00
SEC ANT	CA_38C	Reduced Power Level D2	QPSK	38	20	1	99	37850	37850	38	20	38048	1	0	21.64	22.50
SEC ANT	CA_38C	Reduced Power Level D2	QPSK	38	20	1	0	38150	38150	38	20	37952	1	99	21.63	22.50
MAIN ANT	CA_38C	Full Power	QPSK	38	20	1	99	37850	37850	38	20	38048	1	0	23.88	25.00
MAIN ANT	CA_38C	Full Power	QPSK	38	20	1	0	38150	38150	38	20	37952	1	99	23.86	25.00
MAIN ANT	CA_38C	Reduced Power Level D2/D4/D6/D10	QPSK	38	20	1	99	37850	37850	38	20	38048	1	0	22.19	23.00
MAIN ANT	CA_38C	Reduced Power Level D2/D4/D6/D10	QPSK	38	20	1	0	38150	38150	38	20	37952	1	99	22.16	23.00
MAIN ANT	CA_38C	Reduced Power Level D3/D5	QPSK	38	20	1	99	37850	37850	38	20	38048	1	0	23.03	24.00
MAIN ANT	CA_38C	Reduced Power Level D3/D5	QPSK	38	20	1	0	38150	38150	38	20	37952	1	99	23.01	24.00
MAIN ANT	CA_38C	Reduced Power Level D7	QPSK	38	20	1	99	37850	37850	38	20	38048	1	0	19.99	21.00
MAIN ANT	CA_38C	Reduced Power Level D7	QPSK	38	20	1	0	38150	38150	38	20	37952	1	99	19.98	21.00
MAIN ANT	CA_38C	Reduced Power Level D8	QPSK	38	20	1	99	37850	37850	38	20	38048	1	0	21.13	22.00
MAIN ANT	CA_38C	Reduced Power Level D8	QPSK	38	20	1	0	38150	38150	38	20	37952	1	99	21.11	22.00

Table 145: Additional Conducted Power test results of UL intra-band CA

Antenna	CA Combination	Test Scenario	Modulation	PCC(UL)						SCC1(DL)						SCC2(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 Chann el	SCC UL RB size	SCC UL RB offset	SCC Band	SCC Band width (MHz)	SCC UL Channel	SCC UL RB size	SCC UL RB offset	conducted power (dbm)	Tune up (dbm)		
SEC ANT	CA_41C	Full Power	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	/	/	/	/	/	/	22.55	23.50	
SEC ANT	CA_41C	Full Power	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	/	/	/	/	/	/	22.48	23.50	
SEC ANT	CA_41C	Full Power	QPSK	41	20	1	0	40473	40473	41	20	40275	1	99	/	/	/	/	/	/	22.51	23.50	
SEC ANT	CA_41C	Full Power	QPSK	41	20	1	99	40807	40807	41	20	41005	1	0	/	/	/	/	/	/	22.29	23.50	
SEC ANT	CA_41C	Full Power	QPSK	41	20	1	0	40807	40807	41	20	40609	1	99	/	/	/	/	/	/	22.33	23.50	
SEC ANT	CA_41C	Full Power	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	/	/	/	/	/	/	22.32	23.50	
SEC ANT	UL CA_41C With DL CA_41D	Full Power	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	41	20	40744	100	0	22.51	23.50		
SEC ANT	CA_41C	Reduced Power Level D1	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	/	/	/	/	/	/	17.65	18.50	
SEC ANT	CA_41C	Reduced Power Level D1	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	/	/	/	/	/	/	17.44	18.50	
SEC ANT	CA_41C	Reduced Power Level D1	QPSK	41	20	1	0	40473	40473	41	20	40275	1	99	/	/	/	/	/	/	17.64	18.50	
SEC ANT	CA_41C	Reduced Power Level D1	QPSK	41	20	1	99	40807	40807	41	20	41005	1	0	/	/	/	/	/	/	17.22	18.50	
SEC ANT	CA_41C	Reduced Power Level D1	QPSK	41	20	1	0	40807	40807	41	20	40609	1	99	/	/	/	/	/	/	17.35	18.50	
SEC ANT	CA_41C	Reduced Power Level D1	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	/	/	/	/	/	/	17.43	18.50	
SEC ANT	UL CA_41C With DL CA_41D	Reduced Power Level D1	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	41	20	40744	100	0	17.48	18.50		
SEC ANT	CA_41C	Reduced Power Level D3	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	/	/	/	/	/	/	15.58	16.50	
SEC ANT	CA_41C	Reduced Power Level D3	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	/	/	/	/	/	/	15.35	16.50	
SEC ANT	CA_41C	Reduced Power Level D3	QPSK	41	20	1	0	40473	40473	41	20	40275	1	99	/	/	/	/	/	/	15.56	16.50	
SEC ANT	CA_41C	Reduced Power Level D3	QPSK	41	20	1	99	40807	40807	41	20	41005	1	0	/	/	/	/	/	/	14.89	16.50	
SEC ANT	CA_41C	Reduced Power Level D3	QPSK	41	20	1	0	40807	40807	41	20	40609	1	99	/	/	/	/	/	/	15.51	16.50	
SEC ANT	CA_41C	Reduced Power Level D3	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	/	/	/	/	/	/	15.35	16.50	
SEC ANT	UL CA_41C With DL CA_41D	Reduced Power Level D3	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	41	20	40744	100	0	15.42	16.50		
SEC ANT	CA_41C	Reduced Power Level D2	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	/	/	/	/	/	/	20.71	21.50	
SEC ANT	CA_41C	Reduced Power Level D2	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	/	/	/	/	/	/	20.60	21.50	
SEC ANT	CA_41C	Reduced Power Level D2	QPSK	41	20	1	0	40473	40473	41	20	40275	1	99	/	/	/	/	/	/	20.37	21.50	
SEC ANT	CA_41C	Reduced Power Level D2	QPSK	41	20	1	99	40807	40807	41	20	41005	1	0	/	/	/	/	/	/	20.31	21.50	
SEC ANT	CA_41C	Reduced Power Level D2	QPSK	41	20	1	0	40807	40807	41	20	40609	1	99	/	/	/	/	/	/	20.32	21.50	
SEC ANT	CA_41C	Reduced Power Level D2	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	/	/	/	/	/	/	20.35	21.50	
SEC ANT	UL CA_41C With DL CA_41D	Reduced Power Level D2	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	41	20	40744	100	0	20.36	21.50		
MAIN ANT	CA_41C	Full Power	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	/	/	/	/	/	/	24.15	25.00	
MAIN ANT	CA_41C	Full Power	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	/	/	/	/	/	/	23.84	25.00	
MAIN ANT	CA_41C	Full Power	QPSK	41	20	1	0	40473	40473	41	20	40275	1	99	/	/	/	/	/	/	24.00	25.00	
MAIN ANT	CA_41C	Full Power	QPSK	41	20	1	99	40807	40807	41	20	41005	1	0	/	/	/	/	/	/	23.79	25.00	
MAIN ANT	CA_41C	Full Power	QPSK	41	20	1	0	40807	40807	41	20	40609	1	99	/	/	/	/	/	/	23.83	25.00	
MAIN ANT	CA_41C	Full Power	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	/	/	/	/	/	/	24.08	25.00	
MAIN ANT	UL CA_41C With DL CA_41D	Full Power	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	41	20	40744	100	0	24.02	25.00		
MAIN ANT	CA_41C	Reduced Power Level D6/D7/D8/D10	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	/	/	/	/	/	/	22.20	23.00	
MAIN ANT	CA_41C	Reduced Power Level D6/D7/D8/D10	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	/	/	/	/	/	/	21.86	23.00	
MAIN ANT	CA_41C	Reduced Power Level D6/D7/D8/D10	QPSK	41	20	1	0	40473	40473	41	20	40275	1	99	/	/	/	/	/	/	22.12	23.00	
MAIN ANT	CA_41C	Reduced Power Level D6/D7/D8/D10	QPSK	41	20	1	99	40807	40807	41	20	41005	1	0	/	/	/	/	/	/	22.04	23.00	
MAIN ANT	CA_41C	Reduced Power Level D6/D7/D8/D10	QPSK	41	20	1	0	40807	40807	41	20	40609	1	99	/	/	/	/	/	/	21.87	23.00	
MAIN ANT	CA_41C	Reduced Power Level D6/D7/D8/D10	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	/	/	/	/	/	/	22.14	23.00	
MAIN ANT	UL CA_41C With DL CA_41D	Reduced Power Level D6/D7/D8/D10	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	41	20	40744	100	0	22.11	23.00		
MAIN ANT	CA_41C	Reduced Power Level D1/D2/D3/D9	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	/	/	/	/	/	/	23.68	24.50	
MAIN ANT	CA_41C	Reduced Power Level D1/D2/D3/D9	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	/	/	/	/	/	/	23.46	24.50	
MAIN ANT	CA_41C	Reduced Power Level D1/D2/D3/D9	QPSK	41	20	1	0	40473	40473	41	20	40275	1	99	/	/	/	/	/	/	23.67	24.50	
MAIN ANT	CA_41C	Reduced Power Level D1/D2/D3/D9	QPSK	41	20	1	99	40807	40807	41	20	41005	1	0	/	/	/	/	/	/	23.33	24.50	
MAIN ANT	CA_41C	Reduced Power Level D1/D2/D3/D9	QPSK	41	20	1	0	40807	40807	41	20	40609	1	99	/	/	/	/	/	/	23.41	24.50	
MAIN ANT	CA_41C	Reduced Power Level D1/D2/D3/D9	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	/	/	/	/	/	/	23.63	24.50	
MAIN ANT	UL CA_41C With DL CA_41D	Reduced Power Level D1/D2/D3/D9	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	41	20	40744	100	0	23.35	24.50		

Table 146: Additional Conducted Power test results of UL intra-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 $< \frac{1}{4}$ dB higher than the same UL CA output power configuration with 2 component carriers downlink.

7.1.32 Conducted power measurements of WiFi 2.4G

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
					Max.	
802.11b	Ant3(Core0)	1	2412	1Mbps	14.50	13.33
		6	2437		14.50	13.46
		11	2462		14.50	13.19
	Ant4(Core1)	1	2412	1Mbps	14.50	12.68
		6	2437		14.50	12.83
		11	2462		14.50	12.51
802.11g SISO	Ant3(Core0)	1	2412	6Mbps	11.50	9.58
		2	2417		11.50	9.58
		3	2422		14.50	12.61
		6	2437		14.50	12.62
		9	2452		14.50	12.60
		10	2457		10.00	7.25
		11	2462		8.50	5.69
	Ant4(Core1)	1	2412	6Mbps	11.50	9.43
		2	2417		11.50	9.52
		3	2422		14.50	12.30
		6	2437		14.50	12.31
		9	2452		14.50	11.99
		10	2457		10.00	7.48
		11	2462		8.50	6.02
802.11n SISO 20M	Ant3(Core0)	1	2412	MCS0	11.50	9.51
		2	2417		11.50	9.79
		3	2422		14.50	12.53
		6	2437		14.50	12.59
		9	2452		14.50	12.64
		10	2457		10.00	7.26
		11	2462		8.50	5.84
	Ant4(Core1)	1	2412	MCS0	11.50	9.35
		2	2417		11.50	9.28
		3	2422		14.50	12.23
		6	2437		14.50	12.19
		9	2452		14.50	11.97
		10	2457		10.00	7.39
		11	2462		8.50	5.97
802.11n SISO 40M	Ant3(Core0)	3	2422	MCS0	7.00	5.10
		4	2427		8.50	6.51
		5	2432		14.50	12.51
		6	2437		14.50	12.67
		7	2442		8.00	6.02
		8	2447		7.00	5.11
		9	2452		6.50	5.10
	Ant4(Core1)	3	2422	MCS0	7.00	5.01
		4	2427		8.50	6.51
		5	2432		14.50	12.68
		6	2437		14.50	12.76
		7	2442		8.00	6.02
		8	2447		7.00	5.01
		9	2452		6.50	4.75

Table 147: Conducted power measurement results of WiFi 2.4G SISO (Receiver on)

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
					Max.	
802.11b	Ant3(Core0)	1	2412	1Mbps	18.00	16.61
		6	2437		18.00	16.48
		11	2462		18.00	16.36
	Ant4(Core1)	1	2412	1Mbps	17.00	15.27
		6	2437		17.00	15.04
		11	2462		17.00	15.01
802.11g SISO	Ant3(Core0)	1	2412	6Mbps	11.50	10.46
		2	2417		11.50	10.55
		3	2422		18.00	16.23
		6	2437		18.00	16.34
		9	2452		18.00	16.19
		10	2457		10.00	9.21
		11	2462		8.50	7.02
	Ant4(Core1)	1	2412	6Mbps	11.50	9.80
		2	2417		11.50	9.83
		3	2422		17.00	15.15
		6	2437		17.00	15.19
		9	2452		17.00	15.01
		10	2457		10.00	8.30
		11	2462		8.50	6.83
802.11n SISO 20M	Ant3(Core0)	1	2412	MCS0	11.50	9.70
		2	2417		11.50	9.73
		3	2422		17.00	15.20
		6	2437		17.00	14.97
		9	2452		17.00	15.15
		10	2457		10.00	7.28
		11	2462		8.50	5.80
	Ant4(Core1)	1	2412	MCS0	11.50	9.36
		2	2417		11.50	9.57
		3	2422		16.00	13.81
		6	2437		16.00	13.83
		9	2452		16.00	13.43
		10	2457		10.00	7.30
		11	2462		8.50	6.03
802.11n SISO 40M	Ant3(Core0)	3	2422	MCS0	7.00	4.90
		4	2427		8.50	6.04
		5	2432		15.50	13.28
		6	2437		15.50	13.32
		7	2442		8.00	5.15
		8	2447		7.00	4.46
		9	2452		6.50	4.59
	Ant4(Core1)	3	2422	MCS0	7.00	4.17
		4	2427		8.50	5.85
		5	2432		14.50	12.71
		6	2437		14.50	12.64
		7	2442		8.00	4.94
		8	2447		7.00	3.97
		9	2452		6.50	4.86

Table 148: Conducted power measurement results of WiFi 2.4G SISO (Receiver off)

Mode	Antenna	Channel	Frequency(MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
					Max.	
802.11g CDD	Ant3(Core0)	1	2412	6Mbps	11.50	9.58
		2	2417		11.50	9.58
		3	2422		14.50	12.61
		6	2437		14.50	12.62
		9	2452		14.50	12.60
		10	2457		10.00	7.25
		11	2462		8.50	5.69
	Ant4(Core1)	1	2412		11.50	9.43
		2	2417		11.50	9.52
		3	2422		14.50	12.30
		6	2437		14.50	12.31
		9	2452		14.50	11.99
		10	2457		10.00	7.48
		11	2462		8.50	6.02
	Sum	1	2412		14.51	12.52
		2	2417		14.51	12.56
		3	2422		17.51	15.47
		6	2437		17.51	15.48
		9	2452		17.51	15.32
		10	2457		13.01	10.38
		11	2462		11.51	8.87
802.11n MIMO 20M	Ant3(Core0)	1	2412	MCS8	11.50	9.51
		2	2417		11.50	9.79
		3	2422		14.50	12.53
		6	2437		14.50	12.59
		9	2452		14.50	12.64
		10	2457		10.00	7.26
		11	2462		8.50	5.84
	Ant4(Core1)	1	2412		11.50	9.35
		2	2417		11.50	9.28
		3	2422		14.50	12.23
		6	2437		14.50	12.19
		9	2452		14.50	11.97
		10	2457		10.00	7.39
		11	2462		8.50	5.97
	Sum	1	2412		14.51	12.44
		2	2417		14.51	12.55
		3	2422		17.51	15.39
		6	2437		17.51	15.40
		9	2452		17.51	15.33
		10	2457		13.01	10.34
		11	2462		11.51	8.92

802.11n MIMO 40M	Ant3(Core0)	3	2422	MCS8	7.00	5.10
		4	2427		8.50	6.51
		5	2432		14.50	12.51
		6	2437		14.50	12.67
		7	2442		8.00	6.02
		8	2447		7.00	5.11
		9	2452		6.50	5.10
	Ant4(Core1)	3	2422		7.00	5.01
		4	2427		8.50	6.51
		5	2432		14.50	12.68
		6	2437		14.50	12.76
		7	2442		8.00	6.02
		8	2447		7.00	5.01
		9	2452		6.50	4.75
	Sum	3	2422		10.01	8.07
		4	2427		11.51	9.52
		5	2432		17.51	15.61
		6	2437		17.51	15.73
		7	2442		11.01	9.03
		8	2447		10.01	8.07
		9	2452		9.51	7.94

Table 149: Conducted power measurement results of WiFi 2.4G CDD/MIMO (Receiver ON)

Mode	Antenna	Channel	Frequency(MHz)	Data Rate (Mbps)	Tune-up	Average
					Max.	Power (dBm)
802.11g CDD	Ant3(Core0)	1	2412	6Mbps	11.50	10.46
		2	2417		11.50	10.55
		3	2422		18.00	16.23
		6	2437		18.00	16.34
		9	2452		18.00	16.19
		10	2457		10.00	9.21
		11	2462		8.50	7.02
	Ant4(Core1)	1	2412		11.50	9.80
		2	2417		11.50	9.83
		3	2422		17.00	15.15
		6	2437		17.00	15.19
		9	2452		17.00	15.01
		10	2457		10.00	8.30
		11	2462		8.50	6.83
	Sum	1	2412		14.51	13.15
		2	2417		14.51	13.22
		3	2422		20.54	18.73
		6	2437		20.54	18.81
		9	2452		20.54	18.65
		10	2457		13.01	11.79
		11	2462		11.51	9.94

802.11n MIMO 20M	Ant3(Core0)	1	2412	MCS0	11.50	9.70	
		2	2417		11.50	9.73	
		3	2422		17.00	15.20	
		6	2437		17.00	14.97	
		9	2452		17.00	15.15	
		10	2457		10.00	7.28	
		11	2462		8.50	5.80	
	Ant4(Core1)	1	2412		11.50	9.36	
		2	2417		11.50	9.57	
		3	2422		16.00	13.81	
		6	2437		16.00	13.83	
		9	2452		16.00	13.43	
		10	2457		10.00	7.30	
	Sum	11	2462		8.50	6.03	
		1	2412		14.51	12.54	
		2	2417		14.51	12.66	
		3	2422		19.54	17.57	
		6	2437		19.54	17.45	
		9	2452		19.54	17.38	
		10	2457		13.01	10.30	
	802.11n MIMO 40M	Ant3(Core0)	11		2462	11.51	8.93
			3		2422	7.00	4.90
4			2427	8.50	6.04		
5			2432	15.50	13.28		
6			2437	15.50	13.32		
7			2442	8.00	5.15		
8			2447	7.00	4.46		
Ant4(Core1)		9	2452	6.50	4.59		
		3	2422	7.00	4.17		
		4	2427	8.50	5.85		
		5	2432	14.50	12.71		
		6	2437	14.50	12.64		
		7	2442	8.00	4.94		
Sum		8	2447	7.00	3.97		
		9	2452	6.50	4.86		
		3	2422	10.01	7.56		
		4	2427	11.51	8.96		
		5	2432	18.04	16.01		
		6	2437	18.04	16.00		
		7	2442	11.01	8.06		
		8	2447	10.01	7.23		
		9	2452	9.51	7.74		

Table 150: Conducted power measurement results of WiFi 2.4G CDD/MIMO (Receiver Off)

Note:

- 1) The Average conducted power of WiFi is measured with RMS detector.
- 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.
- 3) The MCC should be set to the FCC mobile country code. WIFI SAR Test should be evaluated at the power level of FCC mobile country code for each exposure conditions.

7.1.33 Conducted power measurements of WiFi 5G

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	
					Max.		
802.11a	Ant3(Core0)	CH 36	5180	6Mbps	10.50	9.16	
		CH 40	5200		11.00	10.43	
		CH 44	5220		11.00	10.35	
		CH 48	5240		11.00	9.38	
		CH 52	5260		11.00	9.75	
		CH 56	5280		11.00	10.04	
		CH 60	5300		11.00	10.10	
		CH 64	5320		10.50	9.11	
		CH 100	5500		10.50	8.79	
		CH 104	5520		11.00	9.18	
		CH 108	5540		11.00	9.02	
		CH 112	5560		11.00	9.27	
		CH 116	5580		11.00	9.44	
		CH 120	5600		11.00	9.67	
		CH 124	5620		11.00	10.07	
		CH 128	5640		11.00	10.39	
		CH 132	5660		11.00	10.22	
		CH 136	5680		11.00	10.12	
		CH 140	5700		11.00	9.82	
		CH 149	5745		11.00	9.48	
	CH 153	5765	11.00	9.28			
	CH 157	5785	11.00	9.17			
	CH 161	5805	11.00	9.16			
	CH 165	5825	11.00	9.81			
		Ant4(Core1)	CH 36	5180	6Mbps	10.50	7.55
			CH 40	5200		11.00	7.97
			CH 44	5220		11.00	8.72
			CH 48	5240		11.00	9.04
			CH 52	5260		11.00	9.07
			CH 56	5280		11.00	8.82
			CH 60	5300		11.00	8.54
			CH 64	5320		10.50	7.37
			CH 100	5500		10.50	8.54
			CH 104	5520		11.00	9.15
	CH 108		5540	11.00		9.10	
	CH 112		5560	11.00		9.14	
	CH 116		5580	11.00		9.42	
	CH 120		5600	11.00		9.78	
	CH 124	5620	11.00	9.80			
	CH 128	5640	11.00	9.96			
	CH 132	5660	11.00	10.22			
	CH 136	5680	11.00	9.89			
	CH 140	5700	11.00	9.54			
	CH 149	5745	11.00	9.40			
	CH 153	5765	11.00	9.30			
	CH 157	5785	11.00	9.45			
	CH 161	5805	11.00	9.61			
	CH 165	5825	11.00	10.04			

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	
					Max.		
802.11n SISO 20M	Ant3(Core0)	CH 36	5180	MCS0	10.50	9.70	
		CH 40	5200		11.00	10.54	
		CH 44	5220		11.00	10.68	
		CH 48	5240		11.00	10.78	
		CH 52	5260		11.00	10.67	
		CH 56	5280		11.00	10.78	
		CH 60	5300		11.00	10.77	
		CH 64	5320		10.50	10.06	
		CH 100	5500		10.50	9.77	
		CH 104	5520		11.00	10.26	
		CH 108	5540		11.00	10.26	
		CH 112	5560		11.00	10.21	
		CH 116	5580		11.00	10.26	
		CH 120	5600		11.00	10.32	
		CH 124	5620		11.00	10.30	
		CH 128	5640		11.00	10.42	
		CH 132	5660		11.00	10.66	
		CH 136	5680		11.00	10.47	
		CH 140	5700		11.00	10.28	
		CH 149	5745		11.00	10.33	
	CH 153	5765	11.00	10.36			
	CH 157	5785	11.00	10.09			
	CH 161	5805	11.00	10.08			
	CH 165	5825	11.00	10.26			
		Ant4(Core1)	CH 36	5180	MCS0	10.50	9.05
			CH 40	5200		11.00	10.02
			CH 44	5220		11.00	10.15
			CH 48	5240		11.00	9.92
			CH 52	5260		11.00	10.01
			CH 56	5280		11.00	9.81
			CH 60	5300		11.00	9.65
			CH 64	5320		10.50	8.97
			CH 100	5500		10.50	8.43
			CH 104	5520		11.00	9.11
	CH 108		5540	11.00		9.17	
	CH 112		5560	11.00		9.08	
	CH 116		5580	11.00		9.24	
	CH 120		5600	11.00		9.33	
	CH 124	5620	11.00	9.40			
	CH 128	5640	11.00	9.38			
	CH 132	5660	11.00	9.70			
	CH 136	5680	11.00	9.64			
	CH 140	5700	11.00	9.37			
	CH 149	5745	11.00	9.21			
	CH 153	5765	11.00	9.14			
	CH 157	5785	11.00	9.25			
	CH 161	5805	11.00	9.32			
	CH 165	5825	11.00	9.30			

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
					Max.	
802.11n SISO 40M	Ant3(Core0)	CH 38	5190	MCS0	9.50	8.11
		CH 46	5230		11.00	9.61
		CH 54	5270		11.00	9.62
		CH 62	5310		9.00	7.78
		CH 102	5510		9.50	8.84
		CH 110	5550		11.00	10.02
		CH 118	5590		11.00	10.12
		CH 126	5630		11.00	10.10
		CH 134	5670		9.50	8.48
		CH 151	5755		11.00	9.61
	CH 159	5795	11.00		9.62	
	Ant4(Core1)	CH 38	5190		9.50	8.33
		CH 46	5230		11.00	10.00
		CH 54	5270		11.00	9.72
		CH 62	5310		9.00	7.05
		CH 102	5510		9.50	7.89
		CH 110	5550		11.00	9.34
		CH 118	5590		11.00	9.66
		CH 126	5630		11.00	9.61
		CH 134	5670		9.50	8.36
CH 151		5755	11.00	9.44		
CH 159	5795	11.00	9.54			
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up Max.	Average Power (dBm)
802.11ac SISO 20M	Ant3(Core0)	CH 36	5180	MCS0	10.50	9.01
		CH 40	5200		11.00	9.58
		CH 44	5220		11.00	9.77
		CH 48	5240		11.00	9.67
		CH 52	5260		11.00	9.85
		CH 56	5280		11.00	9.74
		CH 60	5300		11.00	9.69
		CH 64	5320		10.50	9.44
		CH 100	5500		10.50	9.19
		CH 104	5520		11.00	9.70
		CH 108	5540		11.00	9.79
		CH 112	5560		11.00	10.04
		CH 116	5580		11.00	10.16
		CH 120	5600		11.00	10.14
		CH 124	5620		11.00	10.03
		CH 128	5640		11.00	10.12
		CH 132	5660		11.00	9.60
		CH 136	5680		11.00	9.33
		CH 140	5700		11.00	9.04
		CH 149	5745		11.00	8.60
CH 153	5765	11.00	8.76			
CH 157	5785	11.00	8.82			
CH 161	5805	11.00	9.08			
CH 165	5825	11.00	9.21			

		CH 36	5180		10.50	9.04
		CH 40	5200		11.00	9.53
		CH 44	5220		11.00	9.65
		CH 48	5240		11.00	9.57
		CH 52	5260		11.00	9.43
		CH 56	5280		11.00	9.29
		CH 60	5300		11.00	9.14
		CH 64	5320		10.50	8.59
		CH 100	5500		10.50	8.16
		CH 104	5520		11.00	8.60
		CH 108	5540		11.00	8.60
		CH 112	5560		11.00	8.58
		CH 116	5580		11.00	8.84
		CH 120	5600		11.00	9.02
		CH 124	5620		11.00	8.99
		CH 128	5640		11.00	8.90
		CH 132	5660		11.00	9.31
		CH 136	5680		11.00	9.00
		CH 140	5700		11.00	8.91
		CH 149	5745		11.00	8.90
		CH 153	5765		11.00	8.93
		CH 157	5785		11.00	9.11
		CH 161	5805		11.00	9.07
		CH 165	5825		11.00	9.16
	Ant4(Core1)			MCS0		
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up Max.	Average Power (dBm)
802.11ac SISO 40M	Ant3(Core0)	CH 38	5190	MCS0	9.50	7.57
		CH 46	5230		11.00	9.96
		CH 54	5270		11.00	9.98
		CH 62	5310		9.50	7.67
		CH 102	5510		11.00	8.21
		CH 110	5550		11.00	10.03
		CH 118	5590		11.00	10.23
		CH 126	5630		11.00	10.39
		CH 134	5670		9.50	8.00
		CH 151	5755		11.00	8.87
	Ant4(Core1)	CH 159	5795	11.00	9.17	
		CH 38	5190	MCS0	9.50	8.33
		CH 46	5230		11.00	9.60
		CH 54	5270		11.00	9.30
		CH 62	5310		9.50	7.68
		CH 102	5510		11.00	7.70
		CH 110	5550		11.00	8.65
		CH 118	5590		11.00	8.92
		CH 126	5630		11.00	9.06
		CH 134	5670		9.50	8.10
CH 151	5755	11.00	9.03			
		CH 159	5795	11.00	9.23	

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
					Max.	
802.11ac SISO 80M	Ant3(Core0)	CH 42	5210	MCS0	6.50	3.85
		CH 58	5290		6.50	3.60
		CH 106	5530		6.50	3.32
		CH 122	5610		6.50	3.32
		CH 155	5775		11.00	9.01
	Ant4(Core1)	CH 42	5210	MCS0	6.50	4.32
		CH 58	5290		6.50	4.60
		CH 106	5530		6.50	3.65
		CH 122	5610		6.50	3.25
		CH 155	5775		11.00	9.05
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac SISO 160M	Ant3(Core0)	CH 50	5250	MCS0	6.50	3.63
		CH 114	5570		6.50	3.84
	Ant4(Core1)	CH 50	5250	MCS0	6.50	4.38
		CH 114	5570		6.50	4.17

Table 151: Conducted power measurement results of WiFi 5G SISO (Receiver ON)

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
					Max.	
802.11a	Ant3(Core0)	CH 36	5180	6Mbps	10.50	9.01
		CH 40	5200		16.00	14.08
		CH 44	5220		16.00	14.08
		CH 48	5240		16.00	14.28
		CH 52	5260		16.00	14.44
		CH 56	5280		16.00	14.59
		CH 60	5300		16.00	14.71
		CH 64	5320		10.50	9.45
		CH 100	5500		10.50	9.79
		CH 104	5520		16.00	14.55
		CH 108	5540		16.00	14.16
		CH 112	5560		16.00	14.01
		CH 116	5580		16.00	14.57
		CH 120	5600		16.00	14.26
		CH 124	5620		16.00	14.39
		CH 128	5640		16.00	14.54
		CH 132	5660		16.00	14.51
		CH 136	5680		16.00	14.56
		CH 140	5700		11.00	10.06
		CH 149	5745		16.00	14.07
		CH 153	5765		16.00	14.15
		CH 157	5785		16.00	14.21
		CH 161	5805		16.00	14.21
CH 165	5825	15.00	13.42			

		CH 36	5180		10.50	9.35
		CH 40	5200		15.50	14.05
		CH 44	5220		15.50	14.13
		CH 48	5240		15.50	14.23
		CH 52	5260		15.50	14.36
		CH 56	5280		15.50	14.45
		CH 60	5300		15.50	14.46
		CH 64	5320		10.50	9.68
		CH 100	5500		10.50	9.48
		CH 104	5520		15.50	13.63
		CH 108	5540		15.50	13.62
		CH 112	5560		15.50	13.55
		CH 116	5580		15.50	13.59
		CH 120	5600		15.50	13.55
		CH 124	5620		15.50	13.55
		CH 128	5640		15.50	13.57
		CH 132	5660		15.50	13.66
		CH 136	5680		15.50	13.67
		CH 140	5700		11.00	10.13
		CH 149	5745		15.50	13.73
		CH 153	5765		15.50	13.59
		CH 157	5785		15.50	13.61
		CH 161	5805		15.50	13.66
		CH 165	5825		15.00	13.07
	Ant4(Core1)			6Mbps		
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up Max.	Average Power (dBm)
802.11n SISO 20M	Ant3(Core0)	CH 36	5180		10.50	9.11
		CH 40	5200		16.00	13.97
		CH 44	5220		16.00	14.09
		CH 48	5240		16.00	14.22
		CH 52	5260		16.00	14.27
		CH 56	5280		16.00	14.25
		CH 60	5300		16.00	14.22
		CH 64	5320		10.50	9.44
		CH 100	5500		10.50	9.61
		CH 104	5520		16.00	14.06
		CH 108	5540		16.00	14.09
		CH 112	5560		16.00	14.18
		CH 116	5580		16.00	14.25
		CH 120	5600		16.00	14.33
		CH 124	5620		16.00	14.56
		CH 128	5640		16.00	14.77
		CH 132	5660		16.00	14.42
		CH 136	5680		16.00	14.37
		CH 140	5700		11.00	9.89
		CH 149	5745		16.00	12.92
		CH 153	5765		16.00	12.77
		CH 157	5785		16.00	13.00
		CH 161	5805		16.00	13.02
		CH 165	5825		15.00	12.49
	Ant3(Core0)			MCS0		

		CH 36	5180		10.50	9.01
		CH 40	5200		15.50	13.93
		CH 44	5220		15.50	13.98
		CH 48	5240		15.50	13.94
		CH 52	5260		15.50	13.97
		CH 56	5280		15.50	13.81
		CH 60	5300		15.50	13.55
		CH 64	5320		10.50	8.36
		CH 100	5500		10.50	8.42
		CH 104	5520		15.50	12.86
		CH 108	5540		15.50	12.82
		CH 112	5560		15.50	12.88
		CH 116	5580		15.50	12.96
		CH 120	5600		15.50	12.89
		CH 124	5620		15.50	13.04
		CH 128	5640		15.50	13.13
		CH 132	5660		15.50	13.63
		CH 136	5680		15.50	13.49
		CH 140	5700		11.00	9.80
		CH 149	5745		15.50	13.08
		CH 153	5765		15.50	12.99
		CH 157	5785		15.50	13.04
		CH 161	5805		15.50	12.98
		CH 165	5825		15.00	12.59
	Ant4(Core1)			MCS0		
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up Max.	Average Power (dBm)
802.11n SISO 40M	Ant3(Core0)	CH 38	5190		9.50	8.46
		CH 46	5230		15.50	12.78
		CH 54	5270		15.50	12.82
		CH 62	5310		9.00	8.73
		CH 102	5510		9.50	8.88
		CH 110	5550		15.50	12.60
		CH 118	5590		15.50	12.77
		CH 126	5630		15.50	12.90
		CH 134	5670		9.50	8.64
		CH 151	5755		15.50	12.30
	CH 159	5795		14.50	11.70	
	Ant4(Core1)	CH 38	5190		9.50	8.32
		CH 46	5230		15.00	13.62
		CH 54	5270		15.00	13.32
		CH 62	5310		9.00	7.61
		CH 102	5510		9.50	7.89
		CH 110	5550		15.00	12.73
		CH 118	5590		15.00	12.95
		CH 126	5630		15.00	13.08
		CH 134	5670		9.50	8.33
CH 151		5755		15.00	12.94	
CH 159	5795		14.50	12.66		
	Ant4(Core1)			MCS0		

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	
					Max.		
802.11ac SISO 20M	Ant3(Core0)	CH 36	5180	MCS0	10.50	8.96	
		CH 40	5200		16.00	13.36	
		CH 44	5220		16.00	13.46	
		CH 48	5240		16.00	13.62	
		CH 52	5260		16.00	13.40	
		CH 56	5280		16.00	13.42	
		CH 60	5300		16.00	13.42	
		CH 64	5320		10.50	9.33	
		CH 100	5500		10.50	9.38	
		CH 104	5520		16.00	13.27	
		CH 108	5540		16.00	13.49	
		CH 112	5560		16.00	13.62	
		CH 116	5580		16.00	13.82	
		CH 120	5600		16.00	14.01	
		CH 124	5620		16.00	14.01	
		CH 128	5640		16.00	14.04	
		CH 132	5660		16.00	12.98	
		CH 136	5680		16.00	12.81	
		CH 140	5700		11.00	9.11	
		CH 149	5745		16.00	12.72	
	CH 153	5765	16.00	12.81			
	CH 157	5785	16.00	12.77			
	CH 161	5805	16.00	12.81			
	CH 165	5825	15.00	12.36			
		Ant4(Core1)	CH 36	5180	MCS0	10.50	9.14
			CH 40	5200		15.50	13.27
			CH 44	5220		15.50	13.33
			CH 48	5240		15.50	13.43
			CH 52	5260		15.50	13.15
			CH 56	5280		15.50	13.26
			CH 60	5300		15.50	12.92
			CH 64	5320		10.50	8.54
			CH 100	5500		10.50	8.26
			CH 104	5520		15.50	12.35
			CH 108	5540		15.50	12.21
			CH 112	5560		15.50	12.19
	CH 116		5580	15.50		12.35	
	CH 120		5600	15.50		12.59	
	CH 124		5620	15.50		12.66	
	CH 128		5640	15.50		12.65	
	CH 132	5660	15.50	12.82			
	CH 136	5680	15.50	12.91			
	CH 140	5700	11.00	9.12			
	CH 149	5745	15.50	12.39			
	CH 153	5765	15.50	12.34			
	CH 157	5785	15.50	12.49			
	CH 161	5805	15.50	12.53			
	CH 165	5825	15.00	12.49			

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
					Max.	
802.11ac SISO 40M	Ant3(Core0)	CH 38	5190	MCS0	9.50	7.84
		CH 46	5230		15.50	13.23
		CH 54	5270		15.50	13.17
		CH 62	5310		9.00	7.55
		CH 102	5510		9.50	8.21
		CH 110	5550		15.50	13.26
		CH 118	5590		15.50	13.66
		CH 126	5630		15.50	13.60
		CH 134	5670		9.50	7.98
		CH 151	5755		15.50	12.21
	CH 159	5795	14.50	11.81		
	Ant4(Core1)	CH 38	5190	MCS0	9.50	8.32
		CH 46	5230		15.00	12.83
		CH 54	5270		15.00	12.66
		CH 62	5310		9.00	7.69
		CH 102	5510		9.50	7.37
		CH 110	5550		15.00	11.72
		CH 118	5590		15.00	11.98
		CH 126	5630		15.00	12.03
		CH 134	5670		9.50	8.07
CH 151		5755	15.00		11.69	
CH 159	5795	14.50	11.82			
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
					Max.	
802.11ac SISO 80M	Ant3(Core0)	CH 42	5210	MCS0	6.50	3.87
		CH 58	5290		6.50	3.37
		CH 106	5530		6.50	3.51
		CH 122	5610		6.50	3.35
		CH 155	5775		11.50	9.21
	Ant4(Core1)	CH 42	5210	MCS0	6.50	4.29
		CH 58	5290		6.50	4.52
		CH 106	5530		6.50	3.60
		CH 122	5610		6.50	3.96
		CH 155	5775		11.50	9.36
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
					Max.	
802.11ac SISO 160M	Ant3(Core0)	CH 50	5250	MCS0	6.50	3.30
		CH 114	5570		6.50	3.33
	Ant4(Core1)	CH 50	5250	MCS0	6.50	4.29
		CH 114	5570		6.50	3.09

Table 152: Conducted power measurement results of WiFi 5G SISO (Receiver off)

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	
					Max.		
802.11a CDD	Ant3(Core0)	CH 36	5180	6Mbps	10.50	9.16	
		CH 40	5200		11.00	10.43	
		CH 44	5220		11.00	10.35	
		CH 48	5240		11.00	9.38	
		CH 52	5260		11.00	9.75	
		CH 56	5280		11.00	10.04	
		CH 60	5300		11.00	10.10	
		CH 64	5320		10.50	9.11	
		CH 100	5500		10.50	8.79	
		CH 104	5520		11.00	9.18	
		CH 108	5540		11.00	9.02	
		CH 112	5560		11.00	9.27	
		CH 116	5580		11.00	9.44	
		CH 120	5600		11.00	9.67	
		CH 124	5620		11.00	10.07	
		CH 128	5640		11.00	10.39	
		CH 132	5660		11.00	10.22	
		CH 136	5680		11.00	10.12	
		CH 140	5700		11.00	9.82	
		CH 149	5745		11.00	9.48	
	CH 153	5765	11.00		9.28		
	CH 157	5785	11.00		9.17		
	CH 161	5805	11.00		9.16		
	CH 165	5825	11.00		9.81		
		Ant4(Core1)	CH 36		5180	10.50	7.55
			CH 40		5200	11.00	7.97
			CH 44		5220	11.00	8.72
			CH 48		5240	11.00	9.04
			CH 52		5260	11.00	9.07
			CH 56		5280	11.00	8.82
			CH 60		5300	11.00	8.54
			CH 64		5320	10.50	7.37
			CH 100		5500	10.50	8.54
			CH 104		5520	11.00	9.15
	CH 108		5540	11.00	9.10		
	CH 112		5560	11.00	9.14		
	CH 116		5580	11.00	9.42		
	CH 120		5600	11.00	9.78		
	CH 124	5620	11.00	9.80			
	CH 128	5640	11.00	9.96			
	CH 132	5660	11.00	10.22			
	CH 136	5680	11.00	9.89			
	CH 140	5700	11.00	9.54			
	CH 149	5745	11.00	9.40			
	CH 153	5765	11.00	9.30			
	CH 157	5785	11.00	9.45			
	CH 161	5805	11.00	9.61			
	CH 165	5825	11.00	10.04			

		CH 36	5180		13.51	11.44
		CH 40	5200		14.01	12.38
		CH 44	5220		14.01	12.62
		CH 48	5240		14.01	12.22
		CH 52	5260		14.01	12.43
		CH 56	5280		14.01	12.48
		CH 60	5300		14.01	12.40
		CH 64	5320		13.51	11.34
		CH 100	5500		13.50	11.68
		CH 104	5520		14.01	12.18
		CH 108	5540		14.01	12.07
		CH 112	5560		14.01	12.22
		CH 116	5580		14.01	12.44
		CH 120	5600		14.01	12.74
		CH 124	5620		14.01	12.95
		CH 128	5640		14.01	13.19
		CH 132	5660		14.01	13.23
		CH 136	5680		14.01	13.02
		CH 140	5700		14.01	12.69
		CH 149	5745		14.01	12.45
		CH 153	5765		14.01	12.30
		CH 157	5785		14.01	12.32
		CH 161	5805		14.01	12.40
		CH 165	5825		14.01	12.94
	Sum					
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up Max.	Average Power (dBm)
802.11n MIMO 20M	Ant3(Core0)	CH 36	5180	MCS8	10.50	9.70
		CH 40	5200		11.00	10.54
		CH 44	5220		11.00	10.68
		CH 48	5240		11.00	10.78
		CH 52	5260		11.00	10.67
		CH 56	5280		11.00	10.78
		CH 60	5300		11.00	10.77
		CH 64	5320		10.50	10.06
		CH 100	5500		10.50	9.77
		CH 104	5520		11.00	10.26
		CH 108	5540		11.00	10.26
		CH 112	5560		11.00	10.21
		CH 116	5580		11.00	10.26
		CH 120	5600		11.00	10.32
		CH 124	5620		11.00	10.30
		CH 128	5640		11.00	10.42
		CH 132	5660		11.00	10.66
		CH 136	5680		11.00	10.47
		CH 140	5700		11.00	10.28
		CH 149	5745		11.00	10.33
CH 153	5765	11.00	10.36			
CH 157	5785	11.00	10.09			
CH 161	5805	11.00	10.08			
CH 165	5825	11.00	10.26			

		CH 36	5180		10.50	9.05
		CH 40	5200		11.00	10.02
		CH 44	5220		11.00	10.15
		CH 48	5240		11.00	9.92
		CH 52	5260		11.00	10.01
		CH 56	5280		11.00	9.81
		CH 60	5300		11.00	9.65
		CH 64	5320		10.50	8.97
		CH 100	5500		10.50	8.43
		CH 104	5520		11.00	9.11
		CH 108	5540		11.00	9.17
		CH 112	5560		11.00	9.08
		CH 116	5580		11.00	9.24
		CH 120	5600		11.00	9.33
		CH 124	5620		11.00	9.40
		CH 128	5640		11.00	9.38
		CH 132	5660		11.00	9.70
		CH 136	5680		11.00	9.64
		CH 140	5700		11.00	9.37
		CH 149	5745		11.00	9.21
		CH 153	5765		11.00	9.14
		CH 157	5785		11.00	9.25
		CH 161	5805		11.00	9.32
		CH 165	5825		11.00	9.30
	Ant4(Core1)	CH 36	5180		13.51	12.40
		CH 40	5200		14.01	13.30
		CH 44	5220		14.01	13.43
		CH 48	5240		14.01	13.38
		CH 52	5260		14.01	13.36
		CH 56	5280		14.01	13.33
		CH 60	5300		14.01	13.26
		CH 64	5320		13.51	12.56
		CH 100	5500		13.51	12.16
		CH 104	5520		14.01	12.73
		CH 108	5540		14.01	12.76
		CH 112	5560		14.01	12.69
		CH 116	5580		14.01	12.79
		CH 120	5600		14.01	12.86
		CH 124	5620		14.01	12.88
		CH 128	5640		14.01	12.94
		CH 132	5660		14.01	13.22
		CH 136	5680		14.01	13.09
		CH 140	5700		14.01	12.86
		CH 149	5745		14.01	12.82
		CH 153	5765		14.01	12.80
		CH 157	5785		14.01	12.70
		CH 161	5805		14.01	12.73
		CH 165	5825		14.01	12.82
	Sum	CH 36	5180			
		CH 40	5200			
		CH 44	5220			
		CH 48	5240			
		CH 52	5260			
		CH 56	5280			
		CH 60	5300			
		CH 64	5320			
		CH 100	5500			
		CH 104	5520			
		CH 108	5540			
		CH 112	5560			
		CH 116	5580			
		CH 120	5600			
		CH 124	5620			
		CH 128	5640			
		CH 132	5660			
		CH 136	5680			
		CH 140	5700			
		CH 149	5745			
		CH 153	5765			
		CH 157	5785			
		CH 161	5805			
		CH 165	5825			

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
					Max.	
802.11n MIMO 40M	Ant3(Core0)	CH 38	5190	MCS8	9.50	8.11
		CH 46	5230		11.00	9.61
		CH 54	5270		11.00	9.62
		CH 62	5310		9.00	7.78
		CH 102	5510		9.50	8.84
		CH 110	5550		11.00	10.02
		CH 118	5590		11.00	10.02
		CH 126	5630		11.00	10.12
		CH 134	5670		9.50	8.48
		CH 151	5755		11.00	9.61
	CH 159	5795	11.00		9.62	
	Ant4(Core1)	CH 38	5190		9.50	8.33
		CH 46	5230		11.00	10.00
		CH 54	5270		11.00	9.72
		CH 62	5310		9.00	7.05
		CH 102	5510		9.50	7.89
		CH 110	5550		11.00	9.34
		CH 118	5590		11.00	9.56
		CH 126	5630		11.00	9.91
		CH 134	5670		9.50	8.36
		CH 151	5755		11.00	9.44
	CH 159	5795	11.00		9.54	
	Sum	CH 38	5190		12.51	11.23
		CH 46	5230		14.01	12.82
		CH 54	5270		14.01	12.68
		CH 62	5310		12.01	10.44
		CH 102	5510		12.51	11.40
		CH 110	5550		14.01	12.70
		CH 118	5590		14.01	12.81
		CH 126	5630		14.01	13.03
CH 134		5670	12.51	11.43		
CH 151		5755	14.01	12.54		
CH 159	5795	14.01	12.59			

Mode	Antenna	Channel	Frequency(MHz)	Data Rate (Mbps)	Tune-up	Average Power(dBm)
					Max.	
802.11ac MIMO 20M	Ant3(Core0)	CH 36	5180	MCS0	10.50	9.01
		CH 40	5200		11.00	9.58
		CH 44	5220		11.00	9.77
		CH 48	5240		11.00	9.67
		CH 52	5260		11.00	9.85
		CH 56	5280		11.00	9.74
		CH 60	5300		11.00	9.69
		CH 64	5320		10.50	9.44
		CH 100	5500		10.50	9.19
		CH 104	5520		11.00	9.70
		CH 108	5540		11.00	9.79
		CH 112	5560		11.00	10.04
		CH 116	5580		11.00	10.16
		CH 120	5600		11.00	10.14
		CH 124	5620		11.00	10.03
		CH 128	5640		11.00	10.12
		CH 132	5660		11.00	9.60
		CH 136	5680		11.00	9.33
		CH 140	5700		11.00	9.04
		CH 149	5745		11.00	8.60
		CH 153	5765		11.00	8.76
		CH 157	5785		11.00	8.82
		CH 161	5805		11.00	9.08
		CH 165	5825		11.00	9.21
	Ant4(Core1)	CH 36	5180		10.50	9.04
		CH 40	5200		11.00	9.53
		CH 44	5220		11.00	9.65
		CH 48	5240		11.00	9.57
		CH 52	5260		11.00	9.43
		CH 56	5280		11.00	9.29
		CH 60	5300		11.00	9.14
		CH 64	5320		10.50	8.59
		CH 100	5500		10.50	8.16
		CH 104	5520		11.00	8.60
		CH 108	5540		11.00	8.60
		CH 112	5560		11.00	8.58
CH 116	5580	11.00	8.84			
CH 120	5600	11.00	9.02			
CH 124	5620	11.00	8.99			
CH 128	5640	11.00	8.90			
CH 132	5660	11.00	9.31			
CH 136	5680	11.00	9.00			
CH 140	5700	11.00	8.91			
CH 149	5745	11.00	8.90			
CH 153	5765	11.00	8.93			
CH 157	5785	11.00	9.11			
CH 161	5805	11.00	9.07			
CH 165	5825	11.00	9.16			

		CH 36	5180		13.51	12.04
		CH 40	5200		14.01	12.57
		CH 44	5220		14.01	12.72
		CH 48	5240		14.01	12.63
		CH 52	5260		14.01	12.66
		CH 56	5280		14.01	12.53
		CH 60	5300		14.01	12.43
		CH 64	5320		13.51	12.05
		CH 100	5500		13.51	11.72
		CH 104	5520		14.01	12.20
		CH 108	5540		14.01	12.25
		CH 112	5560		14.01	12.38
		CH 116	5580		14.01	12.56
		CH 120	5600		14.01	12.63
		CH 124	5620		14.01	12.55
		CH 128	5640		14.01	12.56
		CH 132	5660		14.01	12.47
		CH 136	5680		14.01	12.18
		CH 140	5700		14.01	11.99
		CH 149	5745		14.01	11.76
		CH 153	5765		14.01	11.86
		CH 157	5785		14.01	11.98
		CH 161	5805		14.01	12.09
		CH 165	5825		14.01	12.20
	Sum					
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up Max.	Average Power (dBm)
802.11ac MIMO 40M	Ant3(Core0)	CH 38	5190	MCS0	9.50	7.57
		CH 46	5230		11.00	9.96
		CH 54	5270		11.00	9.98
		CH 62	5310		9.50	7.67
		CH 102	5510		11.00	8.21
		CH 110	5550		11.00	10.03
		CH 118	5590		11.00	10.23
		CH 126	5630		11.00	10.39
		CH 134	5670		9.50	8.00
		CH 151	5755		11.00	8.87
	CH 159	5795	11.00		9.17	
	Ant4(Core1)	CH 38	5190		9.50	8.33
		CH 46	5230		11.00	9.60
		CH 54	5270		11.00	9.30
		CH 62	5310		9.50	7.68
		CH 102	5510		11.00	7.70
		CH 110	5550		11.00	8.65
		CH 118	5590		11.00	8.92
		CH 126	5630		11.00	9.06
		CH 134	5670		9.50	8.10
CH 151		5755	11.00	9.03		
CH 159	5795	11.00	9.23			

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
					Max.	
	Sum	CH 38	5190		12.51	10.98
		CH 46	5230		14.01	12.79
		CH 54	5270		14.01	12.66
		CH 62	5310		12.51	10.69
		CH 102	5510		14.01	10.97
		CH 110	5550		14.01	12.40
		CH 118	5590		14.01	12.63
		CH 126	5630		14.01	12.79
		CH 134	5670		12.51	11.06
		CH 151	5755		14.01	11.96
		CH 159	5795		14.01	12.21
802.11ac MIMO 80M	Ant3(Core0)	CH 42	5210	MCS0	6.50	3.85
		CH 58	5290		6.50	3.60
		CH 106	5530		6.50	3.32
		CH 122	5610		6.50	3.32
		CH 155	5775		11.00	9.01
	Ant4(Core1)	CH 42	5210		6.50	4.32
		CH 58	5290		6.50	4.60
		CH 106	5530		6.50	3.65
		CH 122	5610		6.50	3.25
		CH 155	5775		11.00	9.05
	Sum	CH 42	5210		9.51	7.10
		CH 58	5290		9.51	7.14
		CH 106	5530		9.51	6.50
		CH 122	5610		9.51	6.30
		CH 155	5775		14.01	12.04
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
					Max.	
802.11ac MIMO 160M	Ant3(Core0)	CH 50	5250	MCS0	6.50	3.63
		CH 114	5570		6.50	3.84
	Ant4(Core1)	CH 50	5250		6.50	4.38
		CH 114	5570		6.50	4.17
	Sum	CH 50	5250		9.51	7.03
		CH 114	5570		9.51	7.02

Table 153: Conducted power measurement results of WiFi 5G CDD/MIMO (Receiver ON)

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
					Max.	
802.11a CDD	Ant3(Core0)	CH 36	5180	6Mbps	10.50	9.01
		CH 40	5200		16.00	14.08
		CH 44	5220		16.00	14.08
		CH 48	5240		16.00	14.28
		CH 52	5260		16.00	14.44
		CH 56	5280		16.00	14.59
		CH 60	5300		16.00	14.71
		CH 64	5320		10.50	9.45
		CH 100	5500		10.50	9.79
		CH 104	5520		16.00	14.55
		CH 108	5540		16.00	14.16
		CH 112	5560		16.00	14.01
		CH 116	5580		16.00	14.57
CH 120	5600	16.00	14.26			

		CH 124	5620		16.00	14.39
		CH 128	5640		16.00	14.54
		CH 132	5660		16.00	14.51
		CH 136	5680		16.00	14.56
		CH 140	5700		11.00	10.06
		CH 149	5745		16.00	14.07
		CH 153	5765		16.00	14.15
		CH 157	5785		16.00	14.21
		CH 161	5805		16.00	14.21
		CH 165	5825		15.00	13.42
	Ant4(Core1)	CH 36	5180		10.50	9.35
		CH 40	5200		15.50	14.05
		CH 44	5220		15.50	14.13
		CH 48	5240		15.50	14.23
		CH 52	5260		15.50	14.36
		CH 56	5280		15.50	14.45
		CH 60	5300		15.50	14.46
		CH 64	5320		10.50	9.68
		CH 100	5500		10.50	9.48
		CH 104	5520		15.50	13.63
		CH 108	5540		15.50	13.62
		CH 112	5560		15.50	13.55
		CH 116	5580		15.50	13.59
		CH 120	5600		15.50	13.55
		CH 124	5620		15.50	13.55
		CH 128	5640		15.50	13.57
		CH 132	5660		15.50	13.66
		CH 136	5680		15.50	13.67
		CH 140	5700		11.00	10.13
		CH 149	5745		15.50	13.73
	CH 153	5765		15.50	13.59	
	CH 157	5785		15.50	13.61	
	CH 161	5805		15.50	13.66	
	CH 165	5825		15.00	13.07	
	Sum	CH 36	5180		13.51	12.19
		CH 40	5200		18.77	17.08
		CH 44	5220		18.77	17.12
		CH 48	5240		18.77	17.27
		CH 52	5260		18.77	17.41
		CH 56	5280		18.77	17.53
		CH 60	5300		18.77	17.60
		CH 64	5320		13.51	12.58
		CH 100	5500		13.51	12.65
		CH 104	5520		18.77	17.12
		CH 108	5540		18.77	16.91
		CH 112	5560		18.77	16.80
		CH 116	5580		18.77	17.12
		CH 120	5600		18.77	16.93
	CH 124	5620		18.77	17.00	
	CH 128	5640		18.77	17.09	
	CH 132	5660		18.77	17.12	
	CH 136	5680		18.77	17.15	
	CH 140	5700		14.01	13.11	
	CH 149	5745		18.77	16.91	

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)		
					Max.			
802.11n MIMO 20M		CH 153	5765		18.77	16.89		
		CH 157	5785		18.77	16.93		
		CH 161	5805		18.77	16.95		
		CH 165	5825		18.77	16.26		
	Ant3(Core0)	CH 36	5180	MCS8	10.50	9.11		
		CH 40	5200		16.00	13.97		
		CH 44	5220		16.00	14.09		
		CH 48	5240		16.00	14.22		
		CH 52	5260		16.00	14.27		
		CH 56	5280		16.00	14.25		
		CH 60	5300		16.00	14.22		
		CH 64	5320		10.50	9.44		
		CH 100	5500		10.50	9.61		
		CH 104	5520		16.00	14.06		
		CH 108	5540		16.00	14.09		
		CH 112	5560		16.00	14.18		
		CH 116	5580		16.00	14.25		
		CH 120	5600		16.00	14.33		
		CH 124	5620		16.00	14.56		
		CH 128	5640		16.00	14.77		
		CH 132	5660		16.00	14.42		
		CH 136	5680		16.00	14.37		
		CH 140	5700		11.00	9.89		
		CH 149	5745		16.00	12.92		
		CH 153	5765		16.00	12.77		
		CH 157	5785		16.00	13.00		
		CH 161	5805		16.00	13.02		
		CH 165	5825		15.00	12.49		
		Ant4(Core1)	CH 36		5180	MCS8	10.50	9.01
			CH 40		5200		15.50	13.93
			CH 44		5220		15.50	13.98
			CH 48		5240		15.50	13.94
	CH 52		5260	15.50	13.97			
	CH 56		5280	15.50	13.81			
	CH 60		5300	15.50	13.55			
	CH 64		5320	10.50	8.36			
	CH 100		5500	10.50	8.42			
	CH 104		5520	15.50	12.86			
	CH 108		5540	15.50	12.82			
	CH 112		5560	15.50	12.88			
CH 116	5580		15.50	12.96				
CH 120	5600		15.50	12.89				
CH 124	5620		15.50	13.04				
CH 128	5640		15.50	13.13				
CH 132	5660		15.50	13.63				
CH 136	5680		15.50	13.49				
CH 140	5700		11.00	9.80				
CH 149	5745		15.50	13.08				
CH 153	5765	15.50	12.99					
CH 157	5785	15.50	13.04					
CH 161	5805	15.50	12.98					

		CH 165	5825		15.00	12.59
	Sum	CH 36	5180		13.51	12.07
		CH 40	5200		18.77	16.96
		CH 44	5220		18.77	17.05
		CH 48	5240		18.77	17.09
		CH 52	5260		18.77	17.13
		CH 56	5280		18.77	17.05
		CH 60	5300		18.77	16.91
		CH 64	5320		13.51	11.94
		CH 100	5500		13.51	12.07
		CH 104	5520		18.77	16.51
		CH 108	5540		18.77	16.51
		CH 112	5560		18.77	16.59
		CH 116	5580		18.77	16.66
		CH 120	5600		18.77	16.68
		CH 124	5620		18.77	16.88
		CH 128	5640		18.77	17.04
		CH 132	5660		18.77	17.05
		CH 136	5680		18.77	16.96
		CH 140	5700		14.01	12.86
		CH 149	5745		18.77	16.01
		CH 153	5765		18.77	15.89
		CH 157	5785		18.77	16.03
		CH 161	5805		18.77	16.01
		CH 165	5825		18.01	15.55
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up Max.	Average Power (dBm)
802.11n MIMO 40M	Ant3(Core0)	CH 38	5190	MCS8	9.50	8.46
		CH 46	5230		15.50	12.78
		CH 54	5270		15.50	12.82
		CH 62	5310		9.00	8.73
		CH 102	5510		9.50	8.88
		CH 110	5550		15.50	12.60
		CH 118	5590		15.50	12.77
		CH 126	5630		15.50	12.90
		CH 134	5670		9.50	8.64
		CH 151	5755		15.50	12.30
	CH 159	5795	14.50		11.70	
	Ant4(Core1)	CH 38	5190		9.50	8.32
		CH 46	5230		15.00	13.62
		CH 54	5270		15.00	13.32
		CH 62	5310		9.00	7.61
		CH 102	5510		9.50	7.89
		CH 110	5550		15.00	12.73
		CH 118	5590		15.00	12.95
		CH 126	5630		15.00	13.08
		CH 134	5670		9.50	8.33
CH 151		5755	15.00	12.94		
CH 159	5795	14.50	12.66			

Mode	Antenna	Channel	Frequency(MHz)	Data Rate (Mbps)	Tune-up	Average	
					Max.	Power(dBm)	
802.11ac MIMO 20M	Sum	CH 38	5190	MCS0	12.51	11.40	
		CH 46	5230		18.27	16.23	
		CH 54	5270		18.27	16.09	
		CH 62	5310		12.01	11.22	
		CH 102	5510		12.51	11.42	
		CH 110	5550		18.27	15.68	
		CH 118	5590		18.27	15.87	
		CH 126	5630		18.27	16.00	
		CH 134	5670		12.51	11.50	
		CH 151	5755		18.27	15.64	
		CH 159	5795		17.51	15.22	
	802.11ac MIMO 20M	Ant3(Core0)	CH 36		5180	10.50	8.96
			CH 40		5200	16.00	13.36
			CH 44		5220	16.00	13.46
			CH 48		5240	16.00	13.62
			CH 52		5260	16.00	13.40
			CH 56		5280	16.00	13.42
			CH 60		5300	16.00	13.42
			CH 64		5320	10.50	9.33
			CH 100		5500	10.50	9.38
			CH 104		5520	16.00	13.27
			CH 108		5540	16.00	13.49
CH 112			5560	16.00	13.62		
CH 116			5580	16.00	13.82		
CH 120			5600	16.00	14.01		
CH 124			5620	16.00	14.01		
CH 128			5640	16.00	14.04		
Ant4(Core1)			CH 132	5660	16.00	12.98	
		CH 136	5680	16.00	12.81		
		CH 140	5700	11.00	9.11		
		CH 149	5745	16.00	12.72		
		CH 153	5765	16.00	12.81		
		CH 157	5785	16.00	12.77		
		CH 161	5805	16.00	12.81		
		CH 165	5825	15.00	12.36		
		CH 36	5180	10.50	9.14		
		CH 40	5200	15.50	13.27		
		CH 44	5220	15.50	13.33		
		CH 48	5240	15.50	13.43		
CH 52		5260	15.50	13.15			
CH 56	5280	15.50	13.26				
CH 60	5300	15.50	12.92				
CH 64	5320	10.50	8.54				
CH 100	5500	10.50	8.26				
CH 104	5520	15.50	12.35				
CH 108	5540	15.50	12.21				
CH 112	5560	15.50	12.19				
CH 116	5580	15.50	12.35				
CH 120	5600	15.50	12.59				
CH 124	5620	15.50	12.66				
CH 128	5640	15.50	12.65				

		CH 132	5660		15.50	12.82
		CH 136	5680		15.50	12.91
		CH 140	5700		11.00	9.12
		CH 149	5745		15.50	12.39
		CH 153	5765		15.50	12.34
		CH 157	5785		15.50	12.49
		CH 161	5805		15.50	12.53
		CH 165	5825		15.00	12.49
	Sum	CH 36	5180		13.51	12.06
		CH 40	5200		18.77	16.33
		CH 44	5220		18.77	16.41
		CH 48	5240		18.77	16.54
		CH 52	5260		18.77	16.29
		CH 56	5280		18.77	16.35
		CH 60	5300		18.77	16.19
		CH 64	5320		13.51	11.96
		CH 100	5500		13.51	11.87
		CH 104	5520		18.77	15.84
		CH 108	5540		18.77	15.91
		CH 112	5560		18.77	15.97
		CH 116	5580		18.77	16.16
		CH 120	5600		18.77	16.37
		CH 124	5620		18.77	16.40
		CH 128	5640		18.77	16.41
		CH 132	5660		18.77	15.91
		CH 136	5680		18.77	15.87
		CH 140	5700		14.01	12.13
		CH 149	5745		18.77	15.57
		CH 153	5765		18.77	15.59
		CH 157	5785		18.77	15.64
		CH 161	5805		18.77	15.68
		CH 165	5825		18.01	15.44
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up Max.	Average Power (dBm)
802.11ac MIMO 40M	Ant3(Core0)	CH 38	5190	MCS0	9.50	7.84
		CH 46	5230		15.50	13.23
		CH 54	5270		15.50	13.17
		CH 62	5310		9.00	7.55
		CH 102	5510		9.50	8.21
		CH 110	5550		15.50	13.26
		CH 118	5590		15.50	13.66
		CH 126	5630		15.50	13.60
		CH 134	5670		9.50	7.98
		CH 151	5755		15.50	12.21
	CH 159	5795	14.50	11.81		

	Ant4(Core1)	CH 38	5190	MCS0	9.50	8.32
		CH 46	5230		15.00	12.83
		CH 54	5270		15.00	12.66
		CH 62	5310		9.00	7.69
		CH 102	5510		9.50	7.37
		CH 110	5550		15.00	11.72
		CH 118	5590		15.00	11.98
		CH 126	5630		15.00	12.03
		CH 134	5670		9.50	8.07
		CH 151	5755		15.00	11.69
	CH 159	5795	14.50		11.82	
	Sum	CH 38	5190		12.51	11.10
		CH 46	5230		18.27	16.04
		CH 54	5270		18.27	15.93
		CH 62	5310		12.01	10.63
		CH 102	5510		12.51	10.82
		CH 110	5550		18.27	15.57
		CH 118	5590		18.27	15.91
		CH 126	5630		18.27	15.90
		CH 134	5670		12.51	11.04
CH 151		5755	18.27	14.97		
CH 159	5795	17.51	14.83			
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up Max.	Average Power (dBm)
802.11ac MIMO 80M	Ant3(Core0)	CH 42	5210	MCS0	6.50	3.87
		CH 58	5290		6.50	3.37
		CH 106	5530		6.50	3.51
		CH 122	5610		6.50	3.35
		CH 155	5775		11.50	9.21
	Ant4(Core1)	CH 42	5210		6.50	4.29
		CH 58	5290		6.50	4.52
		CH 106	5530		6.50	3.60
		CH 122	5610		6.50	3.96
		CH 155	5775		11.50	9.36
	Sum	CH 42	5210		9.51	7.10
		CH 58	5290		9.51	6.99
		CH 106	5530		9.51	6.57
		CH 122	5610		9.51	6.68
		CH 155	5775		14.51	12.30
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up Max.	Average Power (dBm)
802.11ac MIMO 160	Ant3(Core0)	CH 50	5250	MCS0	6.50	3.30
		CH 114	5570		6.50	3.33
	Ant4(Core1)	CH 50	5250		6.50	4.29
		CH 114	5570		6.50	3.09
	Sum	CH 50	5250		9.51	6.83
		CH 114	5570		9.51	6.22

Table 154: Conducted power measurement results of WiFi 5G CDD/MIMO (Receiver off)

Note:

- 1) The Average conducted power of WiFi is measured with RMS detector.
- 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.
- 3) The MCC should be set to the FCC mobile country code. WIFI SAR Test should be evaluated at the power level of FCC mobile country code for each exposure conditions.