

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

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37775CH	38000CH	38225CH
5MHz	QPSK	1	0	23.00	21.68	21.70	21.72
		1	13	23.00	21.68	21.65	21.72
		1	24	23.00	21.68	21.68	21.71
		12	0	23.00	21.77	21.78	21.81
		12	6	23.00	21.76	21.78	21.81
		12	13	23.00	21.76	21.78	21.85
		25	0	23.00	21.70	21.73	21.87
	16QAM	1	0	23.00	22.00	22.03	22.06
		1	13	23.00	22.07	22.03	22.06
		1	24	23.00	22.07	22.02	22.05
		12	0	22.00	20.91	20.83	20.89
		12	6	22.00	20.92	20.84	20.89
		12	13	22.00	20.91	20.92	20.89
		25	0	22.00	20.83	20.79	20.84
	64QAM	1	0	22.00	21.09	21.09	21.11
		1	13	22.00	21.10	21.10	21.11
		1	24	22.00	21.12	21.09	21.10
		12	0	21.00	19.77	19.77	19.86
		12	6	21.00	19.81	19.78	19.71
		12	13	21.00	19.73	19.78	19.86
		25	0	21.00	19.91	19.82	19.89
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37800CH	38000CH	38200CH
10MHz	QPSK	1	0	23.00	21.83	21.76	21.69
		1	25	23.00	21.82	21.75	21.69
		1	49	23.00	21.82	21.75	21.87
		25	0	23.00	21.76	21.78	21.75
		25	13	23.00	21.76	21.78	21.82
		25	25	23.00	21.76	21.78	21.75
		50	0	23.00	21.77	21.75	21.80
	16QAM	1	0	23.00	21.75	21.67	21.72
		1	25	23.00	21.75	21.71	21.75
		1	49	23.00	21.75	21.62	21.75
		25	0	22.00	20.81	20.82	20.84
		25	13	22.00	20.83	20.82	20.84
		25	25	22.00	20.77	20.83	20.84
		50	0	22.00	20.73	20.72	20.64
	64QAM	1	0	22.00	21.14	21.11	21.12
		1	25	22.00	21.19	21.11	21.18
		1	49	22.00	21.16	21.10	21.12
		25	0	21.00	19.93	19.86	19.91
		25	13	21.00	19.93	19.88	19.87
		25	25	21.00	19.90	19.83	19.91
		50	0	21.00	19.80	19.82	19.78

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37825CH	38000CH	38175CH
15MHz	QPSK	1	0	23.00	21.97	21.82	21.87
		1	38	23.00	21.97	21.90	21.95
		1	74	23.00	21.97	21.82	21.84
		36	0	23.00	21.92	21.86	21.92
		36	18	23.00	21.92	21.86	21.92
		36	39	23.00	21.91	21.86	21.92
		75	0	23.00	21.77	21.83	21.84
	16QAM	1	0	23.00	21.91	21.87	21.85
		1	38	23.00	21.90	21.87	21.86
		1	74	23.00	21.90	21.87	21.86
		36	0	22.00	20.94	20.90	20.91
		36	18	22.00	20.91	20.91	20.90
		36	39	22.00	20.94	20.91	20.87
		75	0	22.00	20.82	20.85	20.87
	64QAM	1	0	22.00	21.27	21.21	21.25
		1	38	22.00	21.27	21.19	21.26
		1	74	22.00	21.27	21.20	21.25
		36	0	21.00	20.01	19.97	20.02
		36	18	21.00	20.00	19.97	20.02
		36	39	21.00	20.01	20.02	20.02
		75	0	21.00	19.93	19.84	19.98
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37850CH	38000CH	38150CH
20MHz	QPSK	1	0	23.00	21.74	21.65	21.69
		1	50	23.00	<b>21.74</b>	21.68	21.69
		1	99	23.00	21.74	21.67	21.69
		50	0	23.00	21.95	22.00	21.97
		50	25	23.00	21.93	21.99	22.01
		50	50	23.00	<b>22.02</b>	<b>22.00</b>	<b>22.03</b>
		100	0	23.00	21.95	21.97	21.97
	16QAM	1	0	23.00	22.03	21.95	21.97
		1	50	23.00	22.07	21.94	21.98
		1	99	23.00	22.02	21.95	21.98
		50	0	22.00	21.12	21.06	21.08
		50	25	22.00	21.09	21.05	21.08
		50	50	22.00	21.11	21.03	21.10
		100	0	22.00	20.91	20.92	20.95
	64QAM	1	0	22.00	21.06	20.95	20.99
		1	50	22.00	21.04	20.99	20.99
		1	99	22.00	21.01	21.01	20.98
		50	0	21.00	20.10	20.00	20.09
		50	25	21.00	20.10	20.00	20.09
		50	50	21.00	20.09	20.00	20.09
		100	0	21.00	20.05	20.13	20.11

Table 83: Conducted power measurement results of LTE Band 38(Full Power)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37775CH	38000CH	38225CH
5MHz	QPSK	1	0	16.00	14.87	14.78	14.84
		1	13	16.00	14.87	14.77	14.74
		1	24	16.00	14.87	14.78	14.82
		12	0	16.00	14.85	14.80	14.83
		12	6	16.00	14.84	14.80	14.83
		12	13	16.00	14.82	14.80	14.82
		25	0	16.00	14.79	14.76	14.81
	16QAM	1	0	16.00	15.14	15.17	15.16
		1	13	16.00	15.14	15.18	15.09
		1	24	16.00	15.14	15.18	15.15
		12	0	16.00	14.84	14.76	14.85
		12	6	16.00	14.82	14.75	14.85
		12	13	16.00	14.82	14.88	14.86
		25	0	16.00	14.71	14.67	14.82
	64QAM	1	0	16.00	14.84	14.84	14.79
		1	13	16.00	14.84	14.83	14.79
		1	24	16.00	14.84	14.82	14.79
		12	0	16.00	14.80	14.78	14.75
		12	6	16.00	14.79	14.78	14.75
		12	13	16.00	14.78	14.78	14.75
		25	0	16.00	14.79	14.76	14.80
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
10MHz	QPSK	1	0	16.00	14.96	14.87	14.86
		1	25	16.00	14.95	14.87	14.88
		1	49	16.00	14.96	14.86	14.90
		25	0	16.00	14.86	14.81	14.79
		25	13	16.00	14.86	14.81	14.86
		25	25	16.00	14.84	14.83	14.76
		50	0	16.00	14.71	14.82	14.82
	16QAM	1	0	16.00	14.83	14.77	14.80
		1	25	16.00	14.84	14.80	14.80
		1	49	16.00	14.83	14.77	14.80
		25	0	16.00	14.83	14.83	14.82
		25	13	16.00	14.83	14.83	14.81
		25	25	16.00	14.83	14.83	14.81
		50	0	16.00	14.61	14.70	14.73
	64QAM	1	0	16.00	14.90	14.88	14.85
		1	25	16.00	14.90	14.88	14.90
		1	49	16.00	14.89	14.88	14.84
		25	0	16.00	14.82	14.81	14.84
		25	13	16.00	14.81	14.79	14.81
		25	25	16.00	14.82	14.79	14.84
		50	0	16.00	14.76	14.74	14.75
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37800CH	38000CH	38200CH

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37825CH	38000CH	38175CH
15MHz	QPSK	1	0	16.00	15.03	14.83	14.94
		1	38	16.00	15.04	14.86	15.00
		1	74	16.00	15.04	14.85	14.94
		36	0	16.00	14.89	14.90	14.93
		36	18	16.00	14.89	14.90	14.89
		36	39	16.00	14.88	14.90	14.93
		75	0	16.00	14.82	14.88	14.86
	16QAM	1	0	16.00	14.84	14.79	14.83
		1	38	16.00	14.84	14.79	14.81
		1	74	16.00	14.83	14.79	14.80
		36	0	16.00	14.90	14.86	14.95
		36	18	16.00	14.90	14.87	14.93
		36	39	16.00	14.91	14.86	14.89
		75	0	16.00	14.79	14.76	14.83
	64QAM	1	0	16.00	14.94	14.84	14.93
		1	38	16.00	14.94	14.89	14.91
		1	74	16.00	14.99	14.87	14.92
		36	0	16.00	14.77	14.86	14.89
		36	18	16.00	14.89	14.88	14.89
		36	39	16.00	14.77	14.96	14.89
		75	0	16.00	14.80	14.80	14.85
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37850CH	38000CH	38150CH
20MHz	QPSK	1	0	16.00	14.80	14.66	14.65
		1	50	16.00	14.80	14.78	14.62
		1	99	16.00	<b>14.81</b>	14.72	14.62
		50	0	16.00	<b>14.93</b>	<b>14.89</b>	<b>14.91</b>
		50	25	16.00	14.92	14.89	14.91
		50	50	16.00	14.92	14.88	14.90
		100	0	16.00	14.90	14.89	14.81
	16QAM	1	0	16.00	15.10	14.96	14.99
		1	50	16.00	15.11	15.02	14.99
		1	99	16.00	15.12	15.03	14.98
		50	0	16.00	14.91	14.94	14.90
		50	25	16.00	14.91	14.95	14.94
		50	50	16.00	14.92	14.94	14.97
		100	0	16.00	14.79	14.75	14.73
	64QAM	1	0	16.00	14.79	14.71	14.77
		1	50	16.00	14.79	14.71	14.77
		1	99	16.00	14.79	14.70	14.77
		50	0	16.00	14.88	14.85	14.91
		50	25	16.00	14.88	14.85	14.88
		50	50	16.00	14.88	14.85	14.88
		100	0	16.00	14.85	14.84	14.91

Table 84: Conducted power measurement results of LTE Band 38(Reduced Power Level D1)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37775CH	38000CH	38225CH
5MHz	QPSK	1	0	14.50	13.34	13.32	13.40
		1	13	14.50	13.37	13.32	13.40
		1	24	14.50	13.35	13.32	13.40
		12	0	14.50	13.31	13.32	13.39
		12	6	14.50	13.31	13.33	13.37
		12	13	14.50	13.31	13.33	13.38
		25	0	14.50	13.29	13.21	13.29
	16QAM	1	0	14.50	13.27	13.23	13.30
		1	13	14.50	13.26	13.24	13.15
		1	24	14.50	13.26	13.23	13.30
		12	0	14.50	13.28	13.30	13.31
		12	6	14.50	13.28	13.30	13.32
		12	13	14.50	13.28	13.30	13.31
		25	0	14.50	13.16	13.17	13.14
	64QAM	1	0	14.50	13.29	13.30	13.25
		1	13	14.50	13.29	13.29	13.25
		1	24	14.50	13.29	13.29	13.24
		12	0	14.50	13.27	13.33	13.33
		12	6	14.50	13.25	13.33	13.33
		12	13	14.50	13.29	13.28	13.33
		25	0	14.50	13.18	13.18	13.10
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37800CH	38000CH	38200CH
10MHz	QPSK	1	0	14.50	13.47	13.45	13.51
		1	25	14.50	13.47	13.45	13.49
		1	49	14.50	13.47	13.45	13.50
		25	0	14.50	13.31	13.31	13.43
		25	13	14.50	13.32	13.32	13.31
		25	25	14.50	13.33	13.32	13.44
		50	0	14.50	13.31	13.33	13.27
	16QAM	1	0	14.50	13.41	13.39	13.43
		1	25	14.50	13.41	13.39	13.44
		1	49	14.50	13.41	13.39	13.44
		25	0	14.50	13.36	13.36	13.38
		25	13	14.50	13.33	13.36	13.34
		25	25	14.50	13.36	13.36	13.35
		50	0	14.50	13.22	13.22	13.22
	64QAM	1	0	14.50	13.37	13.29	13.37
		1	25	14.50	13.37	13.31	13.38
		1	49	14.50	13.36	13.31	13.38
		25	0	14.50	13.26	13.27	13.32
		25	13	14.50	13.31	13.28	13.32
		25	25	14.50	13.32	13.27	13.31
		50	0	14.50	13.28	13.29	13.29

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37825CH	38000CH	38175CH
15MHz	QPSK	1	0	14.50	13.56	13.44	13.53
		1	38	14.50	13.58	13.41	13.53
		1	74	14.50	13.56	13.43	13.53
		36	0	14.50	13.39	13.39	13.46
		36	18	14.50	13.39	13.38	13.46
		36	39	14.50	13.39	13.39	13.46
		75	0	14.50	13.26	13.36	13.37
	16QAM	1	0	14.50	13.55	13.54	13.60
		1	38	14.50	13.64	13.54	13.61
		1	74	14.50	13.57	13.53	13.60
		36	0	14.50	13.38	13.32	13.42
		36	18	14.50	13.37	13.32	13.42
		36	39	14.50	13.38	13.32	13.44
		75	0	14.50	13.32	13.20	13.38
	64QAM	1	0	14.50	13.36	13.34	13.40
		1	38	14.50	13.36	13.34	13.41
		1	74	14.50	13.36	13.34	13.40
		36	0	14.50	13.32	13.38	13.38
		36	18	14.50	13.35	13.37	13.38
		36	39	14.50	13.34	13.38	13.38
		75	0	14.50	13.26	13.23	13.43
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37850CH	38000CH	38150CH
20MHz	QPSK	1	0	14.50	13.30	13.25	13.29
		1	50	14.50	13.30	13.26	13.28
		1	99	14.50	13.30	13.26	13.29
		50	0	14.50	13.42	13.45	13.51
		50	25	14.50	13.45	13.43	13.48
		50	50	14.50	13.45	13.43	13.48
		100	0	14.50	13.36	13.37	13.43
	16QAM	1	0	14.50	13.24	13.16	13.28
		1	50	14.50	13.25	13.16	13.26
		1	99	14.50	13.24	13.18	13.25
		50	0	14.50	13.35	13.26	13.36
		50	25	14.50	13.34	13.26	13.35
		50	50	14.50	13.34	13.25	13.35
		100	0	14.50	13.27	13.16	13.34
	64QAM	1	0	14.50	13.21	13.11	13.20
		1	50	14.50	13.21	13.12	13.20
		1	99	14.50	13.21	13.12	13.20
		50	0	14.50	13.43	13.38	13.51
		50	25	14.50	13.43	13.32	13.54
		50	50	14.50	13.43	13.32	13.54
		100	0	14.50	13.31	13.32	13.37

Table 85: Conducted power measurement results of LTE Band 38(Reduced Power Level D3)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37775CH	38000CH	38225CH
5MHz	QPSK	1	0	21.50	20.43	20.39	20.40
		1	13	21.50	20.30	20.39	20.40
		1	24	21.50	20.43	20.39	20.40
		12	0	21.50	20.35	20.50	20.55
		12	6	21.50	20.35	20.49	20.55
		12	13	21.50	20.35	20.49	20.55
		25	0	21.50	20.33	20.29	20.44
	16QAM	1	0	21.50	20.59	20.52	20.71
		1	13	21.50	20.64	20.52	20.70
		1	24	21.50	20.59	20.56	20.73
		12	0	21.50	20.30	20.35	20.42
		12	6	21.50	20.30	20.35	20.45
		12	13	21.50	20.30	20.33	20.42
		25	0	21.50	20.23	20.18	20.28
	64QAM	1	0	21.50	20.43	20.39	20.50
		1	13	21.50	20.43	20.39	20.50
		1	24	21.50	20.39	20.39	20.50
		12	0	21.00	19.88	19.86	19.89
		12	6	21.00	19.88	19.86	19.89
		12	13	21.00	19.87	19.82	19.98
		25	0	21.00	19.79	19.81	19.82
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37800CH	38000CH	38200CH
10MHz	QPSK	1	0	21.50	20.39	20.33	20.39
		1	25	21.50	20.39	20.33	20.39
		1	49	21.50	20.39	20.37	20.39
		25	0	21.50	20.36	20.37	20.44
		25	13	21.50	20.35	20.44	20.42
		25	25	21.50	20.35	20.45	20.43
		50	0	21.50	20.36	20.30	20.32
	16QAM	1	0	21.50	20.30	20.30	20.36
		1	25	21.50	20.33	20.30	20.37
		1	49	21.50	20.31	20.30	20.36
		25	0	21.50	20.35	20.26	20.39
		25	13	21.50	20.35	20.26	20.39
		25	25	21.50	20.35	20.26	20.39
		50	0	21.50	20.24	20.30	20.32
	64QAM	1	0	21.50	20.38	20.31	20.43
		1	25	21.50	20.38	20.31	20.43
		1	49	21.50	20.43	20.30	20.54
		25	0	21.00	19.84	19.85	19.90
		25	13	21.00	19.85	19.85	19.83
		25	25	21.00	19.85	19.85	19.83
		50	0	21.00	19.86	19.85	19.90

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37825CH	38000CH	38175CH
15MHz	QPSK	1	0	21.50	20.63	20.55	20.66
		1	38	21.50	20.51	20.55	20.66
		1	74	21.50	20.63	20.55	20.58
		36	0	21.50	20.48	20.42	20.46
		36	18	21.50	20.46	20.42	20.46
		36	39	21.50	20.43	20.42	20.46
		75	0	21.50	20.45	20.36	20.47
	16QAM	1	0	21.50	20.74	20.68	20.80
		1	38	21.50	20.74	20.68	20.80
		1	74	21.50	20.76	20.68	20.80
		36	0	21.50	20.34	20.39	20.43
		36	18	21.50	20.42	20.39	20.43
		36	39	21.50	20.47	20.39	20.47
		75	0	21.50	20.30	20.38	20.39
	64QAM	1	0	21.50	20.62	20.56	20.58
		1	38	21.50	20.58	20.54	20.62
		1	74	21.50	20.57	20.57	20.61
		36	0	21.00	19.99	19.90	20.03
		36	18	21.00	19.99	19.90	20.03
		36	39	21.00	19.98	19.90	20.02
		75	0	21.00	19.90	19.92	20.00
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37850CH	38000CH	38150CH
20MHz	QPSK	1	0	21.50	20.33	20.33	20.35
		1	50	21.50	20.32	20.34	20.43
		1	99	21.50	20.32	20.33	<b>20.44</b>
		50	0	21.50	<b>20.58</b>	<b>20.51</b>	<b>20.64</b>
		50	25	21.50	20.57	20.50	20.57
		50	50	21.50	20.56	20.50	20.57
		100	0	21.50	20.51	20.52	20.56
	16QAM	1	0	21.50	20.62	20.48	20.65
		1	50	21.50	20.61	20.54	20.60
		1	99	21.50	20.62	20.53	20.60
		50	0	21.50	20.42	20.42	20.49
		50	25	21.50	20.42	20.43	20.48
		50	50	21.50	20.42	20.43	20.48
		100	0	21.50	20.37	20.42	20.42
	64QAM	1	0	21.50	20.37	20.36	20.40
		1	50	21.50	20.42	20.33	20.39
		1	99	21.50	20.41	20.36	20.39
		50	0	21.00	20.12	20.01	20.16
		50	25	21.00	20.15	20.09	20.14
		50	50	21.00	20.13	20.09	20.17
		100	0	21.00	19.96	20.09	20.06

Table 86: Conducted power measurement results of LTE Band 38(Reduced Power Level D2)



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

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37775CH	38000CH	38225CH
5MHz	QPSK	1	0	25.00	24.08	24.07	24.02
		1	13	25.00	24.07	24.07	24.02
		1	24	25.00	24.06	24.07	24.02
		12	0	24.00	23.03	23.08	22.93
		12	6	24.00	23.03	23.07	22.93
		12	13	24.00	23.03	23.08	22.92
		25	0	24.00	23.06	22.92	22.88
	16QAM	1	0	24.00	23.20	23.18	23.08
		1	13	24.00	23.20	23.19	23.13
		1	24	24.00	23.20	23.10	23.08
		12	0	23.00	22.02	21.97	21.96
		12	6	23.00	21.99	21.99	21.91
		12	13	23.00	22.01	22.05	21.97
		25	0	23.00	22.08	21.97	21.89
	64QAM	1	0	23.00	22.24	22.23	22.13
		1	13	23.00	22.24	22.23	22.16
		1	24	23.00	22.24	22.23	22.17
		12	0	22.00	21.15	21.14	21.05
		12	6	22.00	21.17	21.13	21.07
		12	13	22.00	21.18	21.13	21.07
		25	0	22.00	21.16	21.11	21.02
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37800CH	38000CH	38200CH
10MHz	QPSK	1	0	25.00	24.08	23.97	23.79
		1	25	25.00	24.07	23.97	23.91
		1	49	25.00	24.07	23.96	23.88
		25	0	24.00	23.09	23.01	23.05
		25	13	24.00	23.09	23.01	23.07
		25	25	24.00	23.09	23.01	23.05
		50	0	24.00	22.98	23.02	22.97
	16QAM	1	0	24.00	23.03	22.96	22.88
		1	25	24.00	23.03	22.95	22.88
		1	49	24.00	23.04	22.94	22.88
		25	0	23.00	22.02	22.04	21.99
		25	13	23.00	22.02	22.04	21.99
		25	25	23.00	22.03	22.04	21.99
		50	0	23.00	22.03	21.97	21.93
	64QAM	1	0	23.00	22.27	22.24	22.15
		1	25	23.00	22.26	22.26	22.15
		1	49	23.00	22.26	22.26	22.16
		25	0	22.00	21.27	21.19	21.14
		25	13	22.00	21.27	21.19	21.14
		25	25	22.00	21.27	21.19	21.13
		50	0	22.00	21.13	21.10	21.02

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37825CH	38000CH	38175CH
15MHz	QPSK	1	0	25.00	24.21	24.24	24.18
		1	38	25.00	24.19	24.23	24.16
		1	74	25.00	24.19	24.23	24.16
		36	0	24.00	23.10	23.16	23.10
		36	18	24.00	23.10	23.16	23.11
		36	39	24.00	23.09	23.16	23.12
		75	0	24.00	23.17	23.01	23.00
	16QAM	1	0	24.00	23.40	23.31	23.27
		1	38	24.00	23.40	23.31	23.29
		1	74	24.00	23.39	23.35	23.31
		36	0	23.00	22.20	22.22	22.13
		36	18	23.00	22.16	22.18	22.12
		36	39	23.00	22.17	22.19	22.13
		75	0	23.00	22.10	22.04	21.97
	64QAM	1	0	23.00	22.42	22.33	22.32
		1	38	23.00	22.42	22.33	22.35
		1	74	23.00	22.42	22.34	22.34
		36	0	22.00	21.28	21.19	21.19
		36	18	22.00	21.24	21.19	21.15
		36	39	22.00	21.21	21.19	21.15
		75	0	22.00	21.19	21.21	21.04
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37850CH	38000CH	38150CH
20MHz	QPSK	1	0	25.00	23.99	<b>23.92</b>	<b>23.93</b>
		1	50	25.00	<b>24.08</b>	23.91	23.92
		1	99	25.00	23.98	23.91	23.92
		50	0	24.00	23.22	23.22	23.18
		50	25	24.00	23.22	<b>23.23</b>	23.18
		50	50	24.00	23.22	23.23	23.18
		100	0	24.00	23.27	23.14	23.10
	16QAM	1	0	24.00	23.09	23.05	23.14
		1	50	24.00	23.09	23.05	23.14
		1	99	24.00	23.08	23.05	23.14
		50	0	23.00	22.32	22.22	22.19
		50	25	23.00	22.24	22.21	22.19
		50	50	23.00	22.22	22.23	22.18
		100	0	23.00	22.23	22.19	22.13
	64QAM	1	0	23.00	22.18	22.09	22.08
		1	50	23.00	22.24	22.09	22.07
		1	99	23.00	22.24	22.09	22.13
		50	0	22.00	21.31	21.31	21.29
		50	25	22.00	21.32	21.30	21.29
		50	50	22.00	21.32	21.29	21.29
		100	0	22.00	21.33	21.27	21.20

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

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37775CH	38000CH	38225CH
5MHz	QPSK	1	0	23.00	22.16	22.18	22.01
		1	13	23.00	22.16	22.18	22.01
		1	24	23.00	22.17	22.18	22.01
		12	0	23.00	22.11	22.16	22.04
		12	6	23.00	22.11	22.15	22.04
		12	13	23.00	22.12	22.15	22.05
		25	0	23.00	22.12	22.10	21.90
	16QAM	1	0	23.00	22.64	22.65	22.55
		1	13	23.00	22.66	22.65	22.55
		1	24	23.00	22.65	22.64	22.57
		12	0	23.00	22.21	22.12	22.08
		12	6	23.00	22.21	22.12	22.07
		12	13	23.00	22.21	22.12	22.06
		25	0	23.00	22.07	22.05	21.94
	64QAM	1	0	23.00	22.23	22.22	22.08
		1	13	23.00	22.22	22.22	22.08
		1	24	23.00	22.22	22.22	22.08
		12	0	22.00	21.20	21.17	21.06
		12	6	22.00	21.21	21.16	21.05
		12	13	22.00	21.20	21.21	21.05
		25	0	22.00	21.15	21.14	20.97
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37800CH	38000CH	38200CH
10MHz	QPSK	1	0	23.00	22.05	21.96	21.97
		1	25	23.00	22.05	21.96	21.98
		1	49	23.00	22.05	22.03	21.97
		25	0	23.00	22.16	22.14	22.08
		25	13	23.00	22.16	22.14	22.08
		25	25	23.00	22.17	22.14	22.08
		50	0	23.00	22.16	22.11	22.00
	16QAM	1	0	23.00	22.18	22.24	22.15
		1	25	23.00	22.33	22.23	22.15
		1	49	23.00	22.33	22.23	22.15
		25	0	23.00	22.10	22.12	21.99
		25	13	23.00	22.09	22.11	21.97
		25	25	23.00	22.09	22.11	21.97
		50	0	23.00	22.06	21.95	21.86
	64QAM	1	0	23.00	22.21	22.21	22.13
		1	25	23.00	22.25	22.21	22.13
		1	49	23.00	22.25	22.22	22.12
		25	0	22.00	21.20	21.18	21.11
		25	13	22.00	21.20	21.17	21.11
		25	25	22.00	21.20	21.17	21.10
		50	0	22.00	21.14	21.15	21.02

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37825CH	38000CH	38175CH
15MHz	QPSK	1	0	23.00	22.31	22.21	22.26
		1	38	23.00	22.31	22.21	22.26
		1	74	23.00	22.31	22.21	22.25
		36	0	23.00	22.22	22.12	22.11
		36	18	23.00	22.24	22.12	22.11
		36	39	23.00	22.25	22.17	22.11
		75	0	23.00	22.18	22.16	22.08
	16QAM	1	0	23.00	22.54	22.40	22.44
		1	38	23.00	22.56	22.40	22.43
		1	74	23.00	22.56	22.40	22.43
		36	0	23.00	22.14	22.12	22.08
		36	18	23.00	22.15	22.12	22.08
		36	39	23.00	22.15	22.12	22.08
		75	0	23.00	22.12	22.01	22.00
	64QAM	1	0	23.00	22.28	22.36	22.29
		1	38	23.00	22.28	22.36	22.29
		1	74	23.00	22.28	22.36	22.29
		36	0	22.00	21.19	21.21	21.14
		36	18	22.00	21.19	21.20	21.14
		36	39	22.00	21.19	21.20	21.14
		75	0	22.00	21.12	21.18	21.08
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37850CH	38000CH	38150CH
20MHz	QPSK	1	0	23.00	22.02	21.98	22.03
		1	50	23.00	<b>22.15</b>	21.99	22.03
		1	99	23.00	22.03	21.99	22.03
		50	0	23.00	<b>22.39</b>	<b>22.31</b>	<b>22.28</b>
		50	25	23.00	22.38	22.30	22.27
		50	50	23.00	22.38	22.30	22.27
		100	0	23.00	22.24	22.24	22.19
	16QAM	1	0	23.00	22.52	22.42	22.44
		1	50	23.00	22.52	22.42	22.45
		1	99	23.00	22.56	22.42	22.45
		50	0	23.00	22.22	22.27	22.20
		50	25	23.00	22.22	22.25	22.20
		50	50	23.00	22.22	22.24	22.20
		100	0	23.00	22.25	22.18	22.12
	64QAM	1	0	23.00	22.21	22.06	22.03
		1	50	23.00	22.14	22.06	22.04
		1	99	23.00	22.14	22.06	22.04
		50	0	22.00	21.33	21.32	21.31
		50	25	22.00	21.33	21.32	21.27
		50	50	22.00	21.31	21.32	21.29
		100	0	22.00	21.32	21.30	21.25

Table 88: Conducted power measurement results of LTE Band 38(Reduced Power Level D1/D3)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37775CH	38000CH	38225CH
5MHz	QPSK	1	0	24.50	23.46	23.49	23.40
		1	13	24.50	23.57	23.49	23.41
		1	24	24.50	23.58	23.48	23.44
		12	0	24.00	23.03	23.08	22.98
		12	6	24.00	23.09	23.04	22.98
		12	13	24.00	23.02	23.07	22.98
		25	0	24.00	23.00	23.05	22.88
	16QAM	1	0	24.00	23.08	23.14	22.99
		1	13	24.00	23.06	23.14	23.01
		1	24	24.00	23.06	23.13	23.00
		12	0	23.00	21.99	22.04	21.89
		12	6	23.00	22.00	22.06	21.98
		12	13	23.00	22.06	22.07	21.98
		25	0	23.00	22.09	22.05	21.96
	64QAM	1	0	23.00	22.19	22.18	22.10
		1	13	23.00	22.19	22.18	22.12
		1	24	23.00	22.19	22.17	22.11
		12	0	22.00	21.25	21.22	21.16
		12	6	22.00	21.26	21.22	21.15
		12	13	22.00	21.25	21.25	21.17
		25	0	22.00	21.11	21.08	21.03
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37800CH	38000CH	38200CH
10MHz	QPSK	1	0	24.50	23.57	23.46	23.39
		1	25	24.50	23.57	23.45	23.40
		1	49	24.50	23.57	23.45	23.40
		25	0	24.00	23.11	23.16	23.03
		25	13	24.00	23.12	23.13	23.06
		25	25	24.00	23.11	23.11	23.08
		50	0	24.00	22.91	22.98	22.92
	16QAM	1	0	24.00	23.28	23.18	23.12
		1	25	24.00	23.27	23.18	23.12
		1	49	24.00	23.27	23.17	23.11
		25	0	23.00	22.10	22.06	22.01
		25	13	23.00	22.11	22.06	22.01
		25	25	23.00	22.11	22.07	22.01
		50	0	23.00	22.09	22.00	21.91
	64QAM	1	0	23.00	22.26	22.17	22.16
		1	25	23.00	22.26	22.18	22.16
		1	49	23.00	22.26	22.18	22.16
		25	0	22.00	21.18	21.12	21.08
		25	13	22.00	21.16	21.15	21.10
		25	25	22.00	21.15	21.12	21.07
		50	0	22.00	21.14	21.08	21.00

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37825CH	38000CH	38175CH
15MHz	QPSK	1	0	24.50	23.84	23.68	23.67
		1	38	24.50	23.84	23.68	23.67
		1	74	24.50	23.84	23.68	23.66
		36	0	24.00	23.18	23.12	23.09
		36	18	24.00	23.18	23.13	23.09
		36	39	24.00	23.18	23.13	23.09
		75	0	24.00	23.08	23.06	23.01
	16QAM	1	0	24.00	23.66	23.56	23.54
		1	38	24.00	23.66	23.61	23.57
		1	74	24.00	23.65	23.61	23.57
		36	0	23.00	22.23	22.10	22.00
		36	18	23.00	22.22	22.10	22.00
		36	39	23.00	22.23	22.10	22.00
		75	0	23.00	22.11	22.10	22.05
	64QAM	1	0	23.00	22.41	22.31	22.31
		1	38	23.00	22.38	22.32	22.31
		1	74	23.00	22.40	22.31	22.30
		36	0	22.00	21.28	21.24	21.19
		36	18	22.00	21.29	21.24	21.19
		36	39	22.00	21.27	21.24	21.19
		75	0	22.00	21.14	21.09	21.08
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37850CH	38000CH	38150CH
20MHz	QPSK	1	0	24.50	23.42	23.48	23.45
		1	50	24.50	23.64	23.48	23.46
		1	99	24.50	23.64	23.48	23.46
		50	0	24.00	23.29	23.19	23.14
		50	25	24.00	23.29	23.19	23.14
		50	50	24.00	23.29	23.19	23.14
		100	0	24.00	23.22	23.21	23.17
	16QAM	1	0	24.00	23.04	22.98	22.94
		1	50	24.00	22.99	22.97	22.94
		1	99	24.00	23.04	22.97	22.94
		50	0	23.00	22.34	22.25	22.21
		50	25	23.00	22.34	22.25	22.20
		50	50	23.00	22.35	22.24	22.20
		100	0	23.00	22.20	22.14	22.14
	64QAM	1	0	23.00	22.16	22.07	22.04
		1	50	23.00	22.17	22.07	22.05
		1	99	23.00	22.11	22.07	22.05
		50	0	22.00	21.40	21.30	21.30
		50	25	22.00	21.39	21.32	21.29
		50	50	22.00	21.37	21.28	21.30
		100	0	22.00	21.30	21.24	21.25

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

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37775CH	38000CH	38225CH
5MHz	QPSK	1	0	21.00	20.23	20.29	20.25
		1	13	21.00	20.23	20.28	20.25
		1	24	21.00	20.23	20.28	20.24
		12	0	21.00	20.29	20.28	20.24
		12	6	21.00	20.32	20.27	20.24
		12	13	21.00	20.32	20.27	20.23
		25	0	21.00	20.26	20.17	20.19
	16QAM	1	0	21.00	20.51	20.58	20.41
		1	13	21.00	20.47	20.44	20.40
		1	24	21.00	20.51	20.57	20.41
		12	0	21.00	20.19	20.16	20.12
		12	6	21.00	20.20	20.17	20.11
		12	13	21.00	20.18	20.20	20.11
		25	0	21.00	20.23	20.25	20.17
	64QAM	1	0	21.00	20.36	20.30	20.22
		1	13	21.00	20.33	20.30	20.22
		1	24	21.00	20.36	20.30	20.22
		12	0	21.00	20.16	20.18	20.11
		12	6	21.00	20.16	20.19	20.12
		12	13	21.00	20.15	20.18	20.13
		25	0	21.00	20.19	20.21	20.24
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37800CH	38000CH	38200CH
10MHz	QPSK	1	0	21.00	20.31	20.33	20.32
		1	25	21.00	20.30	20.34	20.32
		1	49	21.00	20.31	20.33	20.32
		25	0	21.00	20.26	20.24	20.24
		25	13	21.00	20.28	20.24	20.24
		25	25	21.00	20.26	20.24	20.24
		50	0	21.00	20.26	20.25	20.18
	16QAM	1	0	21.00	20.15	20.15	20.15
		1	25	21.00	20.15	20.12	20.15
		1	49	21.00	20.14	20.12	20.16
		25	0	21.00	20.33	20.28	20.23
		25	13	21.00	20.34	20.28	20.23
		25	25	21.00	20.33	20.27	20.23
		50	0	21.00	20.23	20.10	20.06
	64QAM	1	0	21.00	20.47	20.31	20.30
		1	25	21.00	20.47	20.35	20.29
		1	49	21.00	20.47	20.30	20.30
		25	0	21.00	20.32	20.27	20.22
		25	13	21.00	20.32	20.27	20.21
		25	25	21.00	20.33	20.27	20.23
		50	0	21.00	20.25	20.24	20.16

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37825CH	38000CH	38175CH
15MHz	QPSK	1	0	21.00	20.45	20.32	20.41
		1	38	21.00	20.45	20.32	20.40
		1	74	21.00	20.45	20.32	20.40
		36	0	21.00	20.39	20.34	20.28
		36	18	21.00	20.37	20.33	20.29
		36	39	21.00	20.36	20.33	20.28
		75	0	21.00	20.36	20.28	20.25
	16QAM	1	0	21.00	20.04	19.99	19.96
		1	38	21.00	20.03	19.97	19.96
		1	74	21.00	20.04	19.95	19.96
		36	0	21.00	20.36	20.29	20.21
		36	18	21.00	20.36	20.29	20.21
		36	39	21.00	20.36	20.31	20.22
		75	0	21.00	20.28	20.21	20.17
	64QAM	1	0	21.00	20.54	20.43	20.48
		1	38	21.00	20.54	20.44	20.48
		1	74	21.00	20.54	20.43	20.47
		36	0	21.00	20.31	20.39	20.30
		36	18	21.00	20.32	20.39	20.30
		36	39	21.00	20.31	20.39	20.30
		75	0	21.00	20.19	20.23	20.25
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37850CH	38000CH	38150CH
20MHz	QPSK	1	0	21.00	20.30	20.12	20.16
		1	50	21.00	20.30	20.12	20.16
		1	99	21.00	20.30	20.14	20.16
		50	0	21.00	20.50	20.45	20.44
		50	25	21.00	20.50	20.44	20.44
		50	50	21.00	20.51	20.46	20.43
		100	0	21.00	20.45	20.44	20.38
	16QAM	1	0	21.00	20.47	20.27	20.31
		1	50	21.00	20.44	20.27	20.32
		1	99	21.00	20.44	20.27	20.32
		50	0	21.00	20.49	20.41	20.39
		50	25	21.00	20.48	20.40	20.40
		50	50	21.00	20.56	20.42	20.39
		100	0	21.00	20.34	20.29	20.28
	64QAM	1	0	21.00	20.42	20.35	20.29
		1	50	21.00	20.42	20.35	20.29
		1	99	21.00	20.42	20.35	20.29
		50	0	21.00	20.48	20.46	20.49
		50	25	21.00	20.47	20.46	20.47
		50	50	21.00	20.48	20.47	20.49
		100	0	21.00	20.34	20.33	20.35

Table 90: Conducted power measurement results of LTE Band 38(Reduced Power Level D4)



Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37775CH	38000CH	38225CH
5MHz	QPSK	1	0	22.50	21.58	21.52	21.50
		1	13	22.50	21.57	21.52	21.53
		1	24	22.50	21.57	21.52	21.50
		12	0	22.50	21.63	21.60	21.61
		12	6	22.50	21.62	21.60	21.44
		12	13	22.50	21.59	21.60	21.55
		25	0	22.50	21.54	21.48	21.55
	16QAM	1	0	22.50	21.93	21.86	21.97
		1	13	22.50	21.93	21.93	21.84
		1	24	22.50	21.93	21.86	21.91
		12	0	22.50	21.68	21.65	21.53
		12	6	22.50	21.67	21.66	21.53
		12	13	22.50	21.78	21.65	21.52
		25	0	22.50	21.48	21.44	21.31
	64QAM	1	0	22.50	21.89	21.86	21.71
		1	13	22.50	21.89	21.86	21.71
		1	24	22.50	21.89	21.86	21.71
		12	0	22.00	21.19	21.15	21.11
		12	6	22.00	21.18	21.16	21.09
		12	13	22.00	21.18	21.17	21.09
		25	0	22.00	21.19	21.08	21.04
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
10MHz	QPSK	1	0	22.50	21.65	21.58	21.55
		1	25	22.50	21.64	21.58	21.55
		1	49	22.50	21.67	21.58	21.55
		25	0	22.50	21.61	21.60	21.49
		25	13	22.50	21.61	21.60	21.49
		25	25	22.50	21.61	21.60	21.50
		50	0	22.50	21.56	21.59	21.50
	16QAM	1	0	22.50	21.62	21.57	21.54
		1	25	22.50	21.58	21.60	21.55
		1	49	22.50	21.58	21.60	21.54
		25	0	22.50	21.61	21.62	21.58
		25	13	22.50	21.61	21.62	21.58
		25	25	22.50	21.60	21.62	21.58
		50	0	22.50	21.53	21.51	21.38
	64QAM	1	0	22.50	21.88	21.80	21.81
		1	25	22.50	21.88	21.81	21.80
		1	49	22.50	21.88	21.80	21.80
		25	0	22.00	21.13	21.15	21.07
		25	13	22.00	21.17	21.15	21.12
		25	25	22.00	21.17	21.15	21.06
		50	0	22.00	21.13	21.08	21.01

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37825CH	38000CH	38175CH
15MHz	QPSK	1	0	22.50	21.88	21.79	21.73
		1	38	22.50	21.88	21.80	21.73
		1	74	22.50	21.88	21.80	21.73
		36	0	22.50	21.64	21.66	21.69
		36	18	22.50	21.64	21.65	21.68
		36	39	22.50	21.64	21.66	21.69
		75	0	22.50	21.66	21.57	21.57
	16QAM	1	0	22.50	21.96	21.92	21.87
		1	38	22.50	21.96	21.92	21.87
		1	74	22.50	21.96	21.86	21.87
		36	0	22.50	21.66	21.59	21.55
		36	18	22.50	21.66	21.59	21.55
		36	39	22.50	21.67	21.59	21.55
		75	0	22.50	21.55	21.52	21.52
	64QAM	1	0	22.50	22.02	21.98	21.91
		1	38	22.50	22.02	21.98	21.90
		1	74	22.50	22.02	21.98	21.90
		36	0	22.00	21.19	21.21	21.11
		36	18	22.00	21.19	21.21	21.12
		36	39	22.00	21.19	21.21	21.12
		75	0	22.00	21.17	21.15	21.12
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	37850CH	38000CH	38150CH
20MHz	QPSK	1	0	22.50	21.70	21.53	21.56
		1	50	22.50	21.70	21.53	21.56
		1	99	22.50	21.71	21.54	21.56
		50	0	22.50	21.79	21.86	21.77
		50	25	22.50	21.78	21.85	21.76
		50	50	22.50	21.78	21.84	21.76
		100	0	22.50	21.79	21.71	21.65
	16QAM	1	0	22.50	21.92	21.87	21.79
		1	50	22.50	21.95	21.87	21.79
		1	99	22.50	21.91	21.87	21.79
		50	0	22.50	21.77	21.65	21.67
		50	25	22.50	21.77	21.65	21.66
		50	50	22.50	21.77	21.66	21.66
		100	0	22.50	21.70	21.67	21.63
	64QAM	1	0	22.50	21.84	21.71	21.75
		1	50	22.50	21.80	21.71	21.76
		1	99	22.50	21.82	21.71	21.75
		50	0	22.00	21.35	21.32	21.28
		50	25	22.00	21.36	21.32	21.28
		50	50	22.00	21.34	21.32	21.33
		100	0	22.00	21.24	21.20	21.19

Table 91: Conducted power measurement results of LTE Band 38(Reduced Power Level D5)

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

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40065CH	40448CH	40832CH	41215CH
5MHz	QPSK	1	0	24.20	22.88	22.82	22.94	23.02
		1	13	24.20	22.88	22.75	22.93	22.91
		1	24	24.20	22.88	22.73	22.93	22.91
		12	0	23.20	21.93	21.78	21.87	21.93
		12	6	23.20	21.93	21.77	21.93	21.94
		12	13	23.20	21.94	21.78	21.94	21.94
		25	0	23.20	21.79	21.73	21.81	21.85
	16QAM	1	0	23.20	22.06	22.05	22.23	22.17
		1	13	23.20	22.06	22.07	22.20	22.18
		1	24	23.20	22.06	22.05	22.20	22.18
		12	0	22.20	20.93	20.77	20.93	21.03
		12	6	22.20	20.94	20.85	20.90	21.03
		12	13	22.20	20.93	20.81	20.90	21.03
		25	0	22.20	20.97	20.75	20.87	20.93
	64QAM	1	0	22.20	21.05	21.07	21.18	21.14
		1	13	22.20	21.04	21.08	21.15	21.14
		1	24	22.20	21.07	21.08	21.16	21.14
		12	0	21.20	20.04	19.77	19.82	19.96
		12	6	21.20	20.03	19.89	19.82	19.96
		12	13	21.20	20.04	19.90	19.84	19.96
		25	0	21.20	19.83	19.86	19.83	19.90
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
10MHz	QPSK	1	0	24.20	22.84	22.76	22.82	22.98
		1	25	24.20	22.84	22.76	22.82	22.98
		1	49	24.20	22.84	22.76	22.82	22.98
		25	0	23.20	21.89	21.80	21.83	22.08
		25	13	23.20	21.90	21.81	21.81	22.08
		25	25	23.20	21.89	21.82	21.91	22.08
		50	0	23.20	21.85	21.77	21.84	21.90
	16QAM	1	0	23.20	22.04	22.08	22.16	22.22
		1	25	23.20	22.04	22.12	21.98	22.15
		1	49	23.20	22.04	22.10	21.98	22.15
		25	0	22.20	20.84	20.76	20.78	20.87
		25	13	22.20	20.81	20.75	20.80	20.86
		25	25	22.20	20.85	20.76	20.80	20.87
		50	0	22.20	20.83	20.64	20.71	20.80
	64QAM	1	0	22.20	21.11	21.04	21.21	21.22
		1	25	22.20	21.10	21.19	21.22	21.22
		1	49	22.20	21.09	21.19	21.23	21.22
		25	0	21.20	19.86	19.80	19.81	19.85
		25	13	21.20	19.83	19.79	19.81	19.88
		25	25	21.20	19.86	19.81	19.81	19.94
		50	0	21.20	19.97	19.74	19.89	19.99

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel	
				Max.	40115CH	40465CH	40815CH	41165CH	
15MHz	QPSK	1	0	24.20	22.96	22.86	22.84	23.12	
		1	38	24.20	22.90	22.84	22.84	23.11	
		1	74	24.20	22.95	22.85	22.84	23.11	
		36	0	23.20	21.91	21.86	21.84	22.14	
		36	18	23.20	21.91	21.87	21.86	22.14	
		36	39	23.20	21.91	21.85	21.84	22.14	
	16QAM	75	0	23.20	21.83	21.75	21.82	21.92	
		1	0	23.20	21.83	21.70	21.95	22.03	
		1	38	23.20	21.82	21.70	21.95	22.03	
		1	74	23.20	21.83	21.70	21.94	22.03	
		36	0	22.20	20.90	20.86	20.96	21.15	
		36	18	22.20	20.94	20.86	20.97	21.14	
	64QAM	36	39	22.20	20.93	20.86	20.97	21.14	
		75	0	22.20	20.92	20.84	20.76	20.98	
		1	0	22.20	21.12	21.01	21.21	21.25	
		1	38	22.20	21.12	21.16	21.07	21.28	
		1	74	22.20	21.10	21.16	21.21	21.28	
		36	0	21.20	19.93	19.82	19.88	20.08	
	20MHz	QPSK	36	18	21.20	19.92	19.82	19.88	20.08
			36	39	21.20	19.87	19.82	19.88	20.09
			75	0	21.20	19.88	19.78	19.78	19.84
1			0	24.20	<b>22.82</b>	22.83	<b>22.79</b>	<b>22.95</b>	
1			50	24.20	22.80	<b>22.84</b>	22.78	22.94	
1			99	24.20	22.81	22.83	22.78	22.94	
16QAM		50	0	23.20	21.92	21.83	21.83	21.97	
		50	25	23.20	21.93	21.82	21.83	21.96	
		50	50	23.20	21.93	21.82	21.82	<b>22.00</b>	
		100	0	23.20	21.85	21.75	21.85	21.93	
		1	0	23.20	22.01	21.95	22.05	22.20	
		1	50	23.20	22.01	22.07	22.06	22.20	
64QAM	1	99	23.20	22.01	21.95	22.05	22.20		
	50	0	22.20	20.87	20.76	20.76	20.90		
	50	25	22.20	20.86	20.76	20.76	20.93		
	50	50	22.20	20.87	20.76	20.76	20.90		
	100	0	22.20	20.75	20.64	20.73	20.81		
	1	0	22.20	21.02	21.00	21.00	21.17		
64QAM	1	50	22.20	21.02	20.95	20.99	21.17		
	1	99	22.20	21.02	21.00	21.00	21.16		
	50	0	21.20	19.88	19.77	19.81	19.89		
	50	25	21.20	19.88	19.79	19.80	19.92		
	50	50	21.20	19.89	19.80	19.80	19.92		
	100	0	21.20	19.83	19.69	19.80	19.89		

Table 92: 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	16.20	14.90	14.81	14.89	15.00	
		1	13	16.20	14.90	14.79	14.88	14.94	
		1	24	16.20	14.90	14.78	14.89	14.94	
		12	0	16.20	15.08	14.90	14.86	15.13	
		12	6	16.20	15.08	14.90	14.85	15.11	
		12	13	16.20	15.08	14.91	14.85	15.04	
	16QAM	25	0	16.20	15.01	14.89	14.86	14.94	
		1	0	16.20	15.22	15.12	15.15	15.20	
		1	13	16.20	15.21	15.12	15.21	15.22	
		1	24	16.20	15.20	15.13	15.21	15.18	
		12	0	16.20	15.07	14.90	14.94	15.04	
		12	6	16.20	15.04	14.89	14.88	15.05	
	64QAM	12	13	16.20	15.07	14.90	14.88	15.05	
		25	0	16.20	15.05	14.93	14.89	14.95	
		1	0	16.20	15.20	15.11	15.20	15.13	
		1	13	16.20	15.20	15.10	15.08	15.13	
		1	24	16.20	15.19	15.10	15.07	15.13	
		12	0	16.20	15.06	14.82	14.92	15.03	
	10MHz	QPSK	12	6	16.20	15.06	14.92	14.92	15.03
			12	13	16.20	15.05	14.91	14.92	15.03
			25	0	16.20	14.95	14.83	14.85	14.90
1			0	16.20	14.98	14.79	14.84	15.06	
1			25	16.20	14.99	14.79	14.84	15.05	
1			49	16.20	14.98	14.79	14.82	15.05	
25			0	16.20	15.04	14.86	14.96	15.05	
16QAM		25	13	16.20	14.88	14.92	14.96	15.04	
		25	25	16.20	14.88	14.90	14.96	15.04	
		50	0	16.20	14.98	14.86	14.84	14.91	
		1	0	16.20	15.19	15.08	15.12	15.25	
		1	25	16.20	15.19	15.07	15.12	15.24	
		1	49	16.20	15.18	15.08	15.12	15.24	
		25	0	16.20	14.99	14.87	14.80	15.01	
64QAM		25	13	16.20	15.01	14.87	14.79	15.05	
	25	25	16.20	14.97	14.87	14.79	15.06		
	50	0	16.20	14.90	14.72	14.74	14.80		
	1	0	16.20	15.18	15.14	15.14	15.29		
	1	25	16.20	15.24	15.14	15.14	15.29		
	1	49	16.20	15.22	15.14	15.15	15.24		
	25	0	16.20	15.01	14.77	14.85	14.96		
	25	13	16.20	14.95	14.82	14.88	14.96		
64QAM	25	25	16.20	15.01	14.83	14.88	14.93		
	50	0	16.20	15.01	14.81	14.91	14.99		

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel	
				Max.	40115CH	40465CH	40815CH	41165CH	
15MHz	QPSK	1	0	16.20	15.07	14.85	14.85	15.14	
		1	38	16.20	14.95	14.85	14.85	15.15	
		1	74	16.20	15.07	14.85	14.88	15.14	
		36	0	16.20	14.91	14.94	14.93	15.09	
		36	18	16.20	15.03	14.94	14.98	15.09	
		36	39	16.20	15.03	14.94	14.96	15.09	
	16QAM	75	0	16.20	14.99	14.75	14.86	15.01	
		1	0	16.20	14.94	14.79	14.85	15.04	
		1	38	16.20	15.01	14.79	14.86	15.04	
		1	74	16.20	14.93	14.79	14.85	15.04	
		36	0	16.20	15.01	14.93	15.07	15.08	
		36	18	16.20	15.05	14.94	15.07	15.08	
	64QAM	36	39	16.20	15.05	14.94	15.06	15.08	
		75	0	16.20	14.93	14.78	14.84	14.97	
		1	0	16.20	15.16	15.10	15.11	15.20	
		1	38	16.20	15.17	15.10	15.10	15.20	
		1	74	16.20	15.19	15.11	15.11	15.22	
		36	0	16.20	15.02	14.90	14.91	15.04	
	20MHz	QPSK	36	18	16.20	15.03	14.90	14.90	15.04
			36	39	16.20	14.99	14.91	14.91	15.04
			75	0	16.20	14.92	14.77	14.82	14.92
1			0	16.20	15.06	15.00	15.05	15.14	
1			50	16.20	15.07	15.00	15.05	15.16	
1			99	16.20	15.07	15.00	15.05	15.16	
16QAM		50	0	16.20	15.00	14.93	14.92	14.98	
		50	25	16.20	15.00	14.93	14.93	15.08	
		50	50	16.20	15.01	14.92	14.93	14.98	
		100	0	16.20	14.92	14.68	14.77	14.84	
		1	0	16.20	15.09	14.97	15.07	15.13	
		1	50	16.20	15.08	14.96	15.07	15.13	
64QAM		1	99	16.20	15.05	14.96	15.07	15.13	
		50	0	16.20	14.99	14.79	14.79	14.97	
		50	25	16.20	14.99	14.79	14.79	14.91	
		50	50	16.20	14.99	14.79	14.79	14.92	
		100	0	16.20	14.97	14.72	14.83	14.88	
		1	0	16.20	15.06	15.00	15.05	15.14	

Table 93: Conducted power measurement results of LTE Band 41(Reduced Power Level D1)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel	
				Max.	40065CH	40448CH	40832CH	41215CH	
5MHz	QPSK	1	0	14.70	13.48	13.45	13.37	13.48	
		1	13	14.70	13.47	13.45	13.37	13.48	
		1	24	14.70	13.47	13.45	13.38	13.36	
		12	0	14.70	13.52	13.46	13.40	13.48	
		12	6	14.70	13.51	13.46	13.39	13.48	
		12	13	14.70	13.51	13.46	13.40	13.49	
	16QAM	25	0	14.70	13.36	13.31	13.32	13.49	
		1	0	14.70	13.56	13.56	13.56	13.67	
		1	13	14.70	13.56	13.53	13.58	13.56	
		1	24	14.70	13.56	13.53	13.58	13.56	
		12	0	14.70	13.44	13.29	13.32	13.54	
		12	6	14.70	13.45	13.29	13.32	13.55	
	64QAM	12	13	14.70	13.44	13.29	13.31	13.55	
		25	0	14.70	13.46	13.39	13.39	13.46	
		1	0	14.70	13.51	13.41	13.34	13.48	
		1	13	14.70	13.51	13.34	13.38	13.41	
		1	24	14.70	13.51	13.34	13.36	13.40	
		12	0	14.70	13.57	13.36	13.42	13.52	
	10MHz	QPSK	12	6	14.70	13.53	13.37	13.42	13.52
			12	13	14.70	13.57	13.36	13.42	13.52
			12	13	14.70	13.57	13.36	13.42	13.52
25			0	14.70	13.44	13.33	13.47	13.50	
1			0	14.70	13.46	13.40	13.44	13.52	
1			25	14.70	13.49	13.39	13.44	13.52	
1			49	14.70	13.46	13.40	13.43	13.52	
16QAM		25	0	14.70	13.60	13.43	13.36	13.41	
		25	13	14.70	13.51	13.45	13.36	13.44	
		25	25	14.70	13.51	13.43	13.37	13.42	
		50	0	14.70	13.47	13.37	13.41	13.49	
		1	0	14.70	13.78	13.70	13.70	13.80	
		1	25	14.70	13.79	13.70	13.70	13.84	
		1	49	14.70	13.78	13.70	13.70	13.81	
64QAM		25	0	14.70	13.31	13.35	13.30	13.44	
	25	13	14.70	13.33	13.35	13.30	13.44		
	25	25	14.70	13.47	13.34	13.31	13.47		
	50	0	14.70	13.35	13.26	13.23	13.42		
	1	0	14.70	13.56	13.44	13.44	13.51		
	1	25	14.70	13.54	13.39	13.44	13.52		
	1	49	14.70	13.54	13.29	13.44	13.51		
	25	0	14.70	13.45	13.36	13.27	13.44		
40090CH	25	13	14.70	13.43	13.36	13.31	13.44		
	25	25	14.70	13.42	13.36	13.32	13.49		
	50	0	14.70	13.43	13.28	13.38	13.45		

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40115CH	40465CH	40815CH	41165CH
15MHz	QPSK	1	0	14.70	13.56	13.46	13.46	13.61
		1	38	14.70	13.42	13.45	13.47	13.59
		1	74	14.70	13.45	13.45	13.45	13.61
		36	0	14.70	13.44	13.41	13.34	13.47
		36	18	14.70	13.51	13.44	13.35	13.47
		36	39	14.70	13.57	13.42	13.34	13.47
		75	0	14.70	13.38	13.34	13.48	13.48
	16QAM	1	0	14.70	13.44	13.35	13.37	13.52
		1	38	14.70	13.46	13.35	13.37	13.48
		1	74	14.70	13.31	13.36	13.37	13.48
		36	0	14.70	13.36	13.41	13.42	13.52
		36	18	14.70	13.36	13.42	13.45	13.54
		36	39	14.70	13.35	13.41	13.46	13.50
		75	0	14.70	13.39	13.28	13.28	13.47
	64QAM	1	0	14.70	13.51	13.30	13.40	13.32
		1	38	14.70	13.50	13.27	13.41	13.26
		1	74	14.70	13.51	13.32	13.41	13.31
		36	0	14.70	13.56	13.45	13.46	13.25
		36	18	14.70	13.41	13.46	13.46	13.25
		36	39	14.70	13.41	13.46	13.45	13.41
		75	0	14.70	13.34	13.36	13.36	13.41
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
20MHz	QPSK	1	0	14.70	13.23	13.31	13.43	13.28
		1	50	14.70	13.15	13.30	13.51	13.44
		1	99	14.70	13.30	13.34	13.66	13.56
		50	0	14.70	13.45	13.55	13.47	13.58
		50	25	14.70	13.38	13.45	13.52	13.68
		50	50	14.70	13.38	13.47	13.55	13.58
		100	0	14.70	13.39	13.44	13.57	13.72
	16QAM	1	0	14.70	13.43	13.30	13.63	13.58
		1	50	14.70	13.16	13.04	13.58	13.44
		1	99	14.70	13.45	13.48	13.55	13.53
		50	0	14.70	13.46	13.45	13.56	13.43
		50	25	14.70	13.42	13.44	13.54	13.47
		50	50	14.70	13.36	13.57	13.65	13.69
		100	0	14.70	13.38	13.44	13.62	13.66
	64QAM	1	0	14.70	13.32	13.30	13.67	13.74
		1	50	14.70	13.18	13.05	13.51	13.38
		1	99	14.70	13.58	13.49	13.40	13.61
		50	0	14.70	13.50	13.54	13.58	13.54
		50	25	14.70	13.30	13.49	13.61	13.47
		50	50	14.70	13.40	13.54	13.64	13.72
		100	0	14.70	13.39	13.45	13.57	13.71
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40140CH	40473CH	40807CH	41140CH

Table 94: 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	22.70	21.48	21.40	21.45	21.54
		1	13	22.70	21.47	21.40	21.43	21.54
		1	24	22.70	21.47	21.40	21.44	21.54
		12	0	22.70	21.50	21.38	21.50	21.65
		12	6	22.70	21.52	21.38	21.49	21.65
		12	13	22.70	21.52	21.42	21.49	21.67
		25	0	22.70	21.37	21.37	21.40	21.53
	16QAM	1	0	22.70	21.64	21.75	21.74	21.83
		1	13	22.70	21.64	21.69	21.74	21.79
		1	24	22.70	21.63	21.73	21.74	21.80
		12	0	22.20	20.77	20.70	20.78	20.88
		12	6	22.20	20.77	20.70	20.78	20.88
		12	13	22.20	20.77	20.70	20.79	20.88
		25	0	22.20	21.02	20.72	20.82	20.89
	64QAM	1	0	22.20	20.88	20.87	20.93	20.94
		1	13	22.20	20.88	20.85	20.88	20.94
		1	24	22.20	20.88	20.85	20.88	20.94
		12	0	21.20	19.90	19.75	19.87	19.94
		12	6	21.20	19.86	19.76	19.86	19.95
		12	13	21.20	19.90	19.75	19.88	19.95
		25	0	21.20	19.83	19.83	19.89	19.90
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40090CH	40457CH	40823CH	41190CH
10MHz	QPSK	1	0	22.70	21.53	21.44	21.37	21.59
		1	25	22.70	21.49	21.45	21.37	21.57
		1	49	22.70	21.53	21.44	21.36	21.57
		25	0	22.70	21.48	21.41	21.46	21.58
		25	13	22.70	21.50	21.38	21.49	21.56
		25	25	22.70	21.51	21.43	21.44	21.58
		50	0	22.70	21.40	21.32	21.43	21.51
	16QAM	1	0	22.70	21.78	21.64	21.62	21.80
		1	25	22.70	21.78	21.64	21.61	21.82
		1	49	22.70	21.78	21.64	21.63	21.75
		25	0	22.20	20.81	20.75	20.77	20.98
		25	13	22.20	20.82	20.75	20.71	20.98
		25	25	22.20	20.84	20.75	20.71	20.83
		50	0	22.20	20.84	20.62	20.72	20.83
	64QAM	1	0	22.20	20.92	20.84	21.02	21.00
		1	25	22.20	20.89	20.81	21.01	21.00
		1	49	22.20	20.89	20.84	21.02	21.00
		25	0	21.20	19.81	19.75	19.77	19.86
		25	13	21.20	19.79	19.74	19.78	19.85
		25	25	21.20	19.79	19.73	19.78	19.83
		50	0	21.20	19.83	19.73	19.84	20.00

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40115CH	40465CH	40815CH	41165CH
15MHz	QPSK	1	0	22.70	21.62	21.49	21.51	21.45
		1	38	22.70	21.49	21.49	21.51	21.45
		1	74	22.70	21.49	21.46	21.50	21.45
		36	0	22.70	21.44	21.48	21.51	21.65
		36	18	22.70	21.47	21.48	21.50	21.63
		36	39	22.70	21.54	21.49	21.50	21.56
		75	0	22.70	21.34	21.35	21.45	21.54
	16QAM	1	0	22.70	21.47	21.43	21.46	21.43
		1	38	22.70	21.51	21.41	21.45	21.59
		1	74	22.70	21.38	21.44	21.46	21.60
		36	0	22.20	20.87	20.83	20.85	21.11
		36	18	22.20	20.87	20.82	20.86	21.08
		36	39	22.20	20.87	20.83	20.90	21.11
		75	0	22.20	20.72	20.77	20.76	20.82
	64QAM	1	0	22.20	20.91	20.84	20.86	21.04
		1	38	22.20	20.91	20.83	20.86	21.09
		1	74	22.20	20.91	20.83	21.00	21.04
		36	0	21.20	19.90	19.86	19.92	20.13
		36	18	21.20	19.96	19.86	19.92	20.13
		36	39	21.20	19.96	19.86	19.92	20.13
		75	0	21.20	19.92	19.73	19.83	20.02
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
20MHz	QPSK	1	0	22.70	<b>21.48</b>	21.34	21.36	21.34
		1	50	22.70	21.47	21.34	21.36	21.34
		1	99	22.70	21.30	21.34	21.36	21.34
		50	0	22.70	<b>21.59</b>	<b>21.51</b>	<b>21.48</b>	<b>21.58</b>
		50	25	22.70	21.58	21.50	21.47	21.57
		50	50	22.70	21.58	21.50	21.47	21.57
		100	0	22.70	21.49	21.32	21.38	21.42
	16QAM	1	0	22.70	21.71	21.43	21.55	21.53
		1	50	22.70	21.70	21.45	21.55	21.54
		1	99	22.70	21.69	21.57	21.55	21.54
		50	0	22.20	20.85	20.74	20.76	20.89
		50	25	22.20	20.87	20.74	20.78	20.89
		50	50	22.20	20.86	20.74	20.76	20.89
		100	0	22.20	20.75	20.67	20.77	20.83
	64QAM	1	0	22.20	20.88	20.84	20.83	20.98
		1	50	22.20	20.88	20.74	20.81	20.99
		1	99	22.20	20.88	20.74	20.82	20.99
		50	0	21.20	19.88	19.77	19.81	19.89
		50	25	21.20	19.91	19.79	19.85	19.91
		50	50	21.20	19.90	19.80	19.84	19.93
		100	0	21.20	19.99	19.76	19.79	19.92
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
20MHz	QPSK	1	0	22.70	<b>21.48</b>	21.34	21.36	21.34
		1	50	22.70	21.47	21.34	21.36	21.34
		1	99	22.70	21.30	21.34	21.36	21.34
		50	0	22.70	<b>21.59</b>	<b>21.51</b>	<b>21.48</b>	<b>21.58</b>
		50	25	22.70	21.58	21.50	21.47	21.57
		50	50	22.70	21.58	21.50	21.47	21.57
		100	0	22.70	21.49	21.32	21.38	21.42
	16QAM	1	0	22.70	21.71	21.43	21.55	21.53
		1	50	22.70	21.70	21.45	21.55	21.54
		1	99	22.70	21.69	21.57	21.55	21.54
		50	0	22.20	20.85	20.74	20.76	20.89
		50	25	22.20	20.87	20.74	20.78	20.89
		50	50	22.20	20.86	20.74	20.76	20.89
		100	0	22.20	20.75	20.67	20.77	20.83
	64QAM	1	0	22.20	20.88	20.84	20.83	20.98
		1	50	22.20	20.88	20.74	20.81	20.99
		1	99	22.20	20.88	20.74	20.82	20.99
		50	0	21.20	19.88	19.77	19.81	19.89
		50	25	21.20	19.91	19.79	19.85	19.91
		50	50	21.20	19.90	19.80	19.84	19.93
		100	0	21.20	19.99	19.76	19.79	19.92

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

### 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	25.20	24.02	24.07	24.10	24.15
		1	13	25.20	24.02	24.07	24.10	24.15
		1	24	25.20	24.02	24.07	24.10	24.15
		12	0	24.20	23.04	23.05	23.01	23.12
		12	6	24.20	23.06	23.05	23.01	23.12
		12	13	24.20	23.04	23.04	23.01	23.12
		25	0	24.20	22.98	23.04	23.01	23.05
	16QAM	1	0	24.20	23.30	23.37	23.41	23.32
		1	13	24.20	23.30	23.37	23.40	23.46
		1	24	24.20	23.31	23.37	23.41	23.47
		12	0	23.20	22.10	22.04	22.04	22.12
		12	6	23.20	22.09	22.04	22.02	22.11
		12	13	23.20	22.08	22.04	22.02	22.11
		25	0	23.20	22.10	21.97	21.87	21.98
	64QAM	1	0	23.20	22.10	22.14	22.14	22.19
		1	13	23.20	22.29	22.13	22.15	22.17
		1	24	23.20	22.15	22.15	22.11	22.15
		12	0	22.20	21.07	20.91	20.86	20.92
		12	6	22.20	20.97	20.93	20.86	20.93
		12	13	22.20	20.97	20.93	20.86	20.93
		25	0	22.20	21.20	21.03	20.98	21.05
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
10MHz	QPSK	1	0	25.20	24.30	24.27	24.12	24.28
		1	25	25.20	24.30	24.29	24.14	24.20
		1	49	25.20	24.29	24.28	24.16	24.20
		25	0	24.20	23.06	23.22	23.02	23.04
		25	13	24.20	23.06	23.22	23.01	23.04
		25	25	24.20	23.24	23.05	23.02	23.04
		50	0	24.20	23.20	23.00	22.96	23.00
	16QAM	1	0	24.20	23.00	22.85	22.76	22.82
		1	25	24.20	23.00	22.84	22.76	22.98
		1	49	24.20	23.00	22.84	22.76	22.99
		25	0	23.20	22.22	22.19	22.00	22.07
		25	13	23.20	22.22	22.19	21.99	22.06
		25	25	23.20	22.22	22.19	22.00	22.07
		50	0	23.20	22.01	21.88	21.95	21.88
	64QAM	1	0	23.20	22.35	22.19	22.14	22.20
		1	25	23.20	22.35	22.18	22.10	22.29
		1	49	23.20	22.35	22.19	22.15	22.29
		25	0	22.20	21.23	21.21	21.03	21.09
		25	13	22.20	21.27	21.21	21.03	21.06
		25	25	22.20	21.26	21.19	21.02	21.06
		50	0	22.20	21.08	21.02	21.13	21.18

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40115CH	40465CH	40815CH	41165CH
15MHz	QPSK	1	0	25.20	24.11	24.12	24.04	24.32
		1	38	25.20	24.11	24.26	24.05	24.33
		1	74	25.20	24.11	24.12	24.05	24.31
		36	0	24.20	23.09	23.10	23.06	23.12
		36	18	24.20	23.09	23.11	23.06	23.12
		36	39	24.20	23.09	23.10	23.06	23.12
		75	0	24.20	23.05	23.03	22.94	23.00
	16QAM	1	0	24.20	22.89	22.90	22.84	23.07
		1	38	24.20	22.89	22.90	22.79	23.02
		1	74	24.20	22.86	22.90	22.78	22.93
		36	0	23.20	22.26	22.07	21.99	22.10
		36	18	23.20	22.09	22.06	21.99	22.10
		36	39	23.20	22.27	22.06	22.04	22.10
		75	0	23.20	21.94	21.93	21.89	21.94
	64QAM	1	0	23.20	22.12	22.13	22.09	22.21
		1	38	23.20	22.12	22.15	22.07	22.36
		1	74	23.20	22.12	22.15	22.09	22.36
		36	0	22.20	21.05	21.03	20.98	21.03
		36	18	22.20	21.18	21.03	20.98	21.03
		36	39	22.20	21.05	21.03	20.98	21.03
		75	0	22.20	21.04	20.93	21.10	21.17
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
20MHz	QPSK	1	0	25.20	<b>24.00</b>	<b>23.98</b>	<b>23.99</b>	<b>24.14</b>
		1	50	25.20	23.98	23.97	23.98	24.13
		1	99	25.20	23.98	23.97	23.98	24.13
		50	0	24.20	<b>23.10</b>	23.03	23.00	23.09
		50	25	24.20	23.08	23.07	22.96	23.06
		50	50	24.20	23.09	23.07	23.02	23.06
		100	0	24.20	23.10	22.99	22.98	23.03
	16QAM	1	0	24.20	23.30	23.26	23.17	23.26
		1	50	24.20	23.30	23.26	23.16	23.26
		1	99	24.20	23.26	23.26	23.16	23.29
		50	0	23.20	22.06	22.06	22.01	22.13
		50	25	23.20	22.07	22.06	22.09	22.13
		50	50	23.20	22.06	22.05	22.01	22.13
		100	0	23.20	21.97	21.93	22.05	21.98
	64QAM	1	0	23.20	22.09	22.20	22.13	22.20
		1	50	23.20	22.16	22.18	22.12	22.20
		1	99	23.20	22.07	22.19	22.05	22.19
		50	0	22.20	21.10	21.10	21.01	21.09
		50	25	22.20	21.28	21.11	21.01	21.13
		50	50	22.20	21.10	21.09	21.01	21.13
		100	0	22.20	20.97	21.00	20.89	20.95
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40140CH	40473CH	40807CH	41140CH

Table 96: 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	23.20	22.19	22.19	22.02	22.18	
		1	13	23.20	22.19	22.17	22.13	22.18	
		1	24	23.20	22.19	22.19	22.02	22.18	
		12	0	23.20	22.23	22.17	22.12	22.21	
		12	6	23.20	22.19	22.17	22.12	22.21	
		12	13	23.20	22.19	22.16	22.12	22.21	
	16QAM	25	0	23.20	22.06	22.01	22.02	22.16	
		1	0	23.20	22.74	22.65	22.47	22.65	
		1	13	23.20	22.75	22.68	22.47	22.65	
		1	24	23.20	22.75	22.67	22.47	22.65	
		12	0	23.20	22.26	22.07	22.13	22.21	
		12	6	23.20	22.27	22.08	22.13	22.22	
	64QAM	12	13	23.20	22.26	22.22	22.17	22.22	
		25	0	23.20	22.09	22.04	21.87	21.90	
		1	0	23.20	22.32	22.18	22.13	22.12	
		1	13	23.20	22.23	22.18	22.12	22.17	
		1	24	23.20	22.31	22.18	22.13	22.11	
		12	0	22.20	21.26	21.07	21.09	21.23	
	10MHz	QPSK	12	6	22.20	21.24	21.07	21.08	21.21
			12	13	22.20	21.26	21.07	21.09	21.22
			25	0	22.20	21.01	20.98	21.09	21.13
1			0	23.20	22.22	22.13	21.97	22.08	
1			25	23.20	22.04	22.03	21.97	21.97	
1			49	23.20	22.04	22.13	21.97	21.95	
25			0	23.20	22.22	22.18	22.10	22.18	
16QAM		25	13	23.20	22.09	22.18	22.10	22.15	
		25	25	23.20	22.09	22.24	22.10	22.15	
		50	0	23.20	22.02	21.94	21.94	21.98	
		1	0	23.20	22.34	22.28	22.21	22.39	
		1	25	23.20	22.34	22.28	22.25	22.39	
		1	49	23.20	22.34	22.28	22.25	22.24	
		25	0	23.20	22.23	22.19	21.98	22.14	
64QAM		25	13	23.20	22.22	22.20	21.99	22.05	
	25	25	23.20	22.22	22.17	22.04	22.18		
	50	0	23.20	21.97	21.95	22.08	21.97		
	1	0	23.20	22.14	22.18	22.13	22.15		
	1	25	23.20	22.13	22.16	22.18	22.30		
	1	49	23.20	22.14	22.19	22.11	22.31		
	25	0	22.20	21.18	21.18	20.95	21.07		
	25	13	22.20	21.16	21.17	20.96	21.08		
25	25	22.20	21.17	21.18	20.93	21.15			
50	0	22.20	21.17	21.04	20.92	21.11			

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel	
				Max.	40115CH	40465CH	40815CH	41165CH	
15MHz	QPSK	1	0	23.20	22.20	22.27	22.04	22.26	
		1	38	23.20	22.20	22.25	22.04	22.11	
		1	74	23.20	22.20	22.27	22.04	22.11	
		36	0	23.20	22.28	22.20	22.15	22.21	
		36	18	23.20	22.27	22.20	22.15	22.21	
		36	39	23.20	22.27	22.19	22.15	22.21	
	16QAM	75	0	23.20	22.18	22.01	22.00	22.02	
		1	0	23.20	22.52	22.45	22.21	22.26	
		1	38	23.20	22.37	22.39	22.22	22.43	
		1	74	23.20	22.37	22.39	22.21	22.26	
		36	0	23.20	22.15	22.10	22.17	22.23	
		36	18	23.20	22.16	22.10	22.18	22.23	
	64QAM	36	39	23.20	22.11	22.10	22.17	22.23	
		75	0	23.20	22.05	21.92	21.89	22.09	
		1	0	23.20	22.14	22.15	22.18	22.28	
		1	38	23.20	22.15	22.15	22.06	22.25	
		1	74	23.20	22.15	22.15	22.17	22.27	
		36	0	22.20	21.08	21.06	21.12	21.01	
	20MHz	QPSK	36	18	22.20	21.08	21.04	20.96	21.02
			36	39	22.20	21.08	21.05	21.12	21.02
			75	0	22.20	21.06	21.04	21.11	20.98
1			0	23.20	22.17	22.01	22.02	22.10	
1			50	23.20	22.16	22.01	22.00	22.13	
1			99	23.20	22.00	22.01	22.00	22.13	
50			0	23.20	22.17	<b>22.21</b>	<b>22.11</b>	<b>22.19</b>	
16QAM		50	25	23.20	22.16	22.20	22.10	22.18	
		50	50	23.20	<b>22.22</b>	22.20	22.10	22.18	
		100	0	23.20	22.03	21.98	22.01	22.04	
		1	0	23.20	22.42	22.45	22.42	22.44	
		1	50	23.20	22.31	22.48	22.42	22.42	
		1	99	23.20	22.50	22.38	22.42	22.52	
		50	0	23.20	22.10	22.05	22.01	22.19	
64QAM		50	25	23.20	22.10	22.04	22.11	22.05	
	50	50	23.20	22.11	22.04	22.00	22.05		
	100	0	23.20	22.00	21.95	21.94	21.98		
	1	0	23.20	22.11	22.09	22.07	22.13		
	1	50	23.20	22.08	22.08	22.03	22.13		
	1	99	23.20	22.08	22.08	22.01	22.07		
	50	0	22.20	21.10	21.06	21.00	21.04		
64QAM	50	25	22.20	21.10	21.07	21.00	21.04		
	50	50	22.20	21.10	21.19	21.00	21.18		
	100	0	22.20	21.09	21.09	20.96	20.98		

Table 97: Conducted power measurement results of LTE Band 41(Reduced Power Level D1/D3/D5)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel	
				Max.	40065CH	40448CH	40832CH	41215CH	
5MHz	QPSK	1	0	21.20	20.41	20.14	20.31	20.48	
		1	13	21.20	20.43	20.14	20.34	20.47	
		1	24	21.20	20.33	20.25	20.26	20.42	
		12	0	21.20	20.42	20.29	20.36	20.41	
		12	6	21.20	20.36	20.28	20.30	20.37	
		12	13	21.20	20.35	20.19	20.32	20.39	
	16QAM	25	0	21.20	20.29	20.14	20.33	20.38	
		1	0	21.20	20.56	20.34	20.45	20.38	
		1	13	21.20	20.47	20.31	20.45	20.46	
		1	24	21.20	20.53	20.27	20.41	20.36	
		12	0	21.20	20.29	20.11	20.26	20.33	
		12	6	21.20	20.25	20.04	20.16	20.27	
	64QAM	12	13	21.20	20.22	20.06	20.14	20.31	
		25	0	21.20	20.13	20.06	20.17	20.28	
		1	0	21.20	20.59	20.13	20.46	20.48	
		1	13	21.20	20.55	20.09	20.44	20.55	
		1	24	21.20	20.35	20.30	20.42	20.43	
		12	0	21.20	20.28	20.11	20.26	20.33	
	10MHz	QPSK	12	6	21.20	20.27	20.04	20.14	20.28
			12	13	21.20	20.20	20.06	20.14	20.31
			25	0	21.20	20.30	20.16	20.31	20.38
1			0	21.20	20.14	20.25	20.30	20.28	
1			25	21.20	19.99	20.03	20.14	20.07	
1			49	21.20	20.17	20.22	20.26	20.26	
25			0	21.20	20.30	20.24	20.31	20.41	
16QAM		25	13	21.20	20.31	20.12	20.30	20.37	
		25	25	21.20	20.30	20.12	20.35	20.43	
		50	0	21.20	20.31	20.07	20.17	20.37	
		1	0	21.20	20.38	20.28	20.36	20.36	
		1	25	21.20	20.07	20.13	19.95	19.96	
		1	49	21.20	20.36	20.34	20.31	20.36	
		25	0	21.20	20.28	20.12	20.11	20.35	
64QAM		25	13	21.20	20.23	20.00	20.11	20.30	
	25	25	21.20	20.23	20.00	20.25	20.32		
	50	0	21.20	20.22	20.02	20.09	20.28		
	1	0	21.20	20.50	20.30	20.32	20.26		
	1	25	21.20	19.93	20.16	19.79	20.05		
	1	49	21.20	20.38	20.30	20.31	20.34		
	25	0	21.20	20.26	20.13	20.09	20.33		
	25	13	21.20	20.24	20.01	20.10	20.30		
25	25	21.20	20.23	19.98	20.26	20.32			
50	0	21.20	20.31	20.07	20.17	20.39			

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40115CH	40465CH	40815CH	41165CH
15MHz	QPSK	1	0	21.20	20.14	20.23	20.25	20.33
		1	38	21.20	20.18	20.13	20.37	20.15
		1	74	21.20	20.23	20.28	20.26	20.15
		36	0	21.20	20.36	20.29	20.35	20.42
		36	18	21.20	20.32	20.23	20.26	20.41
		36	39	21.20	20.33	20.27	20.26	20.45
		75	0	21.20	20.26	20.25	20.23	20.35
	16QAM	1	0	21.20	20.25	20.15	20.40	20.19
		1	38	21.20	20.29	20.41	20.53	20.24
		1	74	21.20	20.33	20.12	20.23	20.25
		36	0	21.20	20.26	20.21	20.10	20.36
		36	18	21.20	20.28	20.13	20.12	20.28
		36	39	21.20	20.09	20.21	20.21	20.34
		75	0	21.20	20.18	20.17	20.08	20.29
	64QAM	1	0	21.20	20.31	20.14	20.38	20.39
		1	38	21.20	20.59	20.14	20.54	20.44
		1	74	21.20	19.90	20.11	20.62	20.03
		36	0	21.20	20.25	20.19	20.11	20.31
		36	18	21.20	20.25	20.05	20.10	20.26
		36	39	21.20	20.11	20.13	20.20	20.40
		75	0	21.20	20.28	20.26	20.17	20.38
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	Channel
				Max.	40140CH	40473CH	40807CH	41140CH
20MHz	QPSK	1	0	21.20	20.08	19.99	20.11	20.14
		1	50	21.20	20.01	20.34	20.08	19.67
		1	99	21.20	20.11	20.06	20.29	20.05
		50	0	21.20	20.33	20.27	20.30	20.38
		50	25	21.20	20.29	20.14	20.30	20.35
		50	50	21.20	20.34	20.16	20.33	20.43
		100	0	21.20	20.30	20.15	20.31	20.37
	16QAM	1	0	21.20	20.33	19.70	20.27	20.05
		1	50	21.20	19.97	19.44	20.37	20.07
		1	99	21.20	20.05	20.16	20.42	20.41
		50	0	21.20	20.25	20.01	20.25	20.30
		50	25	21.20	20.20	20.01	20.23	20.22
		50	50	21.20	20.18	20.08	20.28	20.33
		100	0	21.20	20.22	20.08	20.23	20.25
	64QAM	1	0	21.20	20.32	20.05	20.29	20.20
		1	50	21.20	20.27	19.41	20.17	19.99
		1	99	21.20	20.32	20.02	20.41	20.56
		50	0	21.20	20.28	20.04	20.18	20.33
		50	25	21.20	20.19	20.05	20.15	20.30
		50	50	21.20	20.15	20.03	20.31	20.36
		100	0	21.20	20.30	20.15	20.34	20.35

Table 98: Conducted power measurement results of LTE Band 41(Reduced Power Level D4)



### 7.1.29 Conducted power measurements of LTE Band 66 (Second Antenna)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131979CH	132322CH	132665CH
1.4MHz	QPSK	1	0	23.20	21.32	21.42	21.64
		1	3	23.20	21.24	21.12	20.89
		1	5	23.20	21.73	21.33	21.45
		3	0	23.20	21.50	21.77	21.28
		3	2	23.20	21.28	21.62	21.41
		3	3	23.20	21.44	21.22	21.37
		6	0	23.20	21.61	21.57	20.90
	16QAM	1	0	23.20	21.59	21.25	21.44
		1	3	23.20	21.53	21.02	21.79
		1	5	23.20	21.47	21.46	21.45
		3	0	23.20	20.41	20.81	20.51
		3	2	23.20	20.49	20.79	20.36
		3	3	23.20	20.22	20.32	20.50
		6	0	22.20	20.41	20.35	20.42
	64QAM	1	0	22.20	20.15	20.11	20.38
		1	3	22.20	20.55	20.12	19.96
		1	5	22.20	20.38	20.69	20.43
		3	0	22.20	20.61	20.15	20.43
		3	2	22.20	20.52	20.44	20.70
		3	3	22.20	20.22	20.99	20.25
		6	0	21.20	19.03	20.23	19.43
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131987CH	132322CH	132657CH
3MHz	QPSK	1	0	23.20	21.42	21.38	21.75
		1	7	23.20	21.11	20.92	20.96
		1	14	23.20	21.46	21.42	21.62
		8	0	23.20	21.40	21.52	21.30
		8	4	23.20	20.94	21.70	21.36
		8	7	23.20	21.13	21.09	21.20
		15	0	23.20	21.58	21.64	21.01
	16QAM	1	0	23.20	21.27	21.30	21.21
		1	7	23.20	21.42	20.92	21.53
		1	14	23.20	21.43	21.54	21.52
		8	0	22.20	20.03	20.88	20.01
		8	4	22.20	20.04	20.82	20.19
		8	7	22.20	20.38	20.31	19.94
		15	0	22.20	20.35	20.57	20.12
	64QAM	1	0	22.20	20.45	20.00	20.28
		1	7	22.20	20.59	20.38	20.57
		1	14	22.20	20.20	20.94	20.20
		8	0	21.20	19.65	19.12	19.72
		8	4	21.20	19.48	19.42	19.46
		8	7	21.20	19.58	19.83	19.15
		15	0	21.20	19.12	19.99	19.43

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131997CH	132322CH	132647CH
5MHz	QPSK	1	0	23.20	21.37	21.51	21.78
		1	13	23.20	21.10	21.07	20.96
		1	24	23.20	21.59	21.48	21.55
		12	0	23.20	21.40	21.59	21.41
		12	6	23.20	21.13	21.56	21.21
		12	13	23.20	21.29	21.20	21.29
		25	0	23.20	21.63	21.58	20.98
	16QAM	1	0	23.20	21.44	21.20	21.37
		1	13	23.20	21.38	21.10	21.62
		1	24	23.20	21.51	21.48	21.47
		12	0	22.20	20.23	20.73	20.04
		12	6	22.20	20.16	20.75	20.27
		12	13	22.20	20.32	20.18	20.04
		25	0	22.20	20.04	20.53	20.23
	64QAM	1	0	22.20	20.34	20.01	20.31
		1	13	22.20	20.44	20.26	20.45
		1	24	22.20	20.34	20.97	20.39
		12	0	21.20	19.81	19.04	19.84
		12	6	21.20	19.31	19.41	19.48
		12	13	21.20	19.40	19.72	19.15
		25	0	21.20	19.05	20.05	19.29
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132022CH	132322CH	132622CH
10MHz	QPSK	1	0	23.20	21.27	21.39	21.71
		1	25	23.20	20.95	21.17	21.16
		1	49	23.20	21.42	21.65	21.47
		25	0	23.20	21.40	21.53	21.28
		25	13	23.20	21.27	21.59	21.09
		25	25	23.20	21.13	21.14	21.34
		50	0	23.20	21.44	21.39	21.08
	16QAM	1	0	23.20	21.61	21.32	21.35
		1	25	23.20	21.36	20.96	21.43
		1	49	23.20	21.67	21.50	21.65
		25	0	22.20	20.37	20.65	20.12
		25	13	22.20	20.34	20.58	20.25
		25	25	22.20	20.23	20.29	20.04
		50	0	22.20	20.20	20.58	20.30
	64QAM	1	0	22.20	20.25	20.16	20.42
		1	25	22.20	20.37	20.40	20.35
		1	49	22.20	20.29	20.78	20.44
		25	0	21.20	19.76	19.22	19.98
		25	13	21.20	19.36	19.27	19.62
		25	25	21.20	19.22	19.77	19.08
		50	0	21.20	19.20	19.92	19.17

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132047CH	132322CH	132597CH
15MHz	QPSK	1	0	23.20	21.28	21.36	21.36
		1	38	23.20	21.35	21.26	21.36
		1	74	23.20	21.31	21.24	21.35
		36	0	23.20	21.21	21.50	21.35
		36	18	23.20	21.20	21.49	21.35
		36	39	23.20	21.45	21.53	21.29
		75	0	23.20	21.19	21.48	21.42
	16QAM	1	0	23.20	21.63	21.46	21.35
		1	38	23.20	21.41	21.58	21.35
		1	74	23.20	21.58	21.49	21.35
		36	0	22.20	20.17	20.51	20.42
		36	18	22.20	20.15	20.45	20.36
		36	39	22.20	20.42	20.48	20.28
		75	0	22.20	20.14	20.41	20.37
	64QAM	1	0	22.20	20.20	20.38	20.42
		1	38	22.20	20.27	20.43	20.13
		1	74	22.20	20.05	20.58	20.27
		36	0	21.20	19.59	19.46	19.79
		36	18	21.20	19.39	19.62	19.44
		36	39	21.20	19.30	19.73	19.29
		75	0	21.20	19.17	19.78	19.38
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132072CH	132322CH	132572CH
20MHz	QPSK	1	0	23.20	21.36	21.50	21.52
		1	50	23.20	20.96	20.99	21.00
		1	99	23.20	21.52	21.52	<b>21.60</b>
		50	0	23.20	<b>21.49</b>	<b>21.53</b>	21.34
		50	25	23.20	21.20	21.49	21.28
		50	50	23.20	21.19	21.31	<b>21.43</b>
		100	0	23.20	21.25	21.55	21.27
	16QAM	1	0	23.20	21.78	21.51	21.54
		1	50	23.20	21.21	21.12	21.27
		1	99	23.20	21.83	21.46	21.70
		50	0	22.20	20.41	20.53	20.28
		50	25	22.20	20.14	20.41	20.22
		50	50	22.20	20.13	20.23	20.19
		100	0	22.20	20.20	20.47	20.21
	64QAM	1	0	22.20	20.11	20.22	20.49
		1	50	22.20	20.28	20.28	20.27
		1	99	22.20	20.27	20.75	20.32
		50	0	21.20	19.62	19.38	19.82
		50	25	21.20	19.42	19.42	19.61
		50	50	21.20	19.11	19.57	19.26
		100	0	21.20	19.34	19.85	19.33

Table 99: Conducted power measurement results of LTE Band 66(Full Power)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	
				Max.	131979CH	132322CH	132665CH	
1.4MHz	QPSK	1	0	16.20	14.61	14.61	14.40	
		1	3	16.20	14.22	13.99	14.31	
		1	5	16.20	14.65	14.40	14.56	
		3	0	16.20	14.20	14.36	14.21	
		3	2	16.20	14.35	14.51	14.32	
		3	3	16.20	14.27	14.55	14.49	
	16QAM	6	0	16.20	14.33	14.43	14.39	
		1	0	16.20	14.41	14.73	14.51	
		1	3	16.20	13.73	14.03	13.76	
		1	5	16.20	14.69	14.56	14.84	
		3	0	16.20	14.38	14.40	14.31	
		3	2	16.20	14.19	14.22	14.11	
	64QAM	3	3	16.20	14.59	14.46	14.26	
		6	0	16.20	14.42	14.18	14.51	
		1	0	16.20	14.53	14.52	14.43	
		1	3	16.20	14.27	13.85	14.18	
		1	5	16.20	14.51	14.28	14.35	
		3	0	16.20	14.17	14.56	14.13	
	3MHz	QPSK	3	2	16.20	14.59	14.22	14.26
			3	3	16.20	14.43	14.57	14.26
			6	0	16.20	14.58	14.37	14.54
1			0	16.20	14.54	14.53	14.38	
1			7	16.20	13.96	13.89	14.14	
1			14	16.20	14.54	14.33	14.59	
8			0	16.20	14.33	14.31	14.24	
16QAM		8	4	16.20	14.35	14.21	14.29	
		8	7	16.20	14.53	14.49	14.56	
		15	0	16.20	14.32	14.49	14.52	
		1	0	16.20	14.74	14.53	14.46	
		1	7	16.20	14.00	14.07	14.01	
		1	14	16.20	14.67	14.50	14.69	
		8	0	16.20	14.25	14.39	14.28	
64QAM		8	4	16.20	14.27	14.28	14.10	
		8	7	16.20	14.56	14.22	14.56	
		15	0	16.20	14.33	14.15	14.59	
		1	0	16.20	14.39	14.31	14.56	
		1	7	16.20	13.94	14.07	14.14	
		1	14	16.20	14.70	14.64	14.40	
		8	0	16.20	14.17	14.44	14.45	
64QAM	8	4	16.20	14.47	14.15	14.61		
	8	7	16.20	14.22	14.43	14.21		
	15	0	16.20	14.39	14.39	14.31		

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131997CH	132322CH	132647CH
5MHz	QPSK	1	0	16.20	14.53	14.38	14.67
		1	13	16.20	14.07	14.07	14.27
		1	24	16.20	14.44	14.39	14.47
		12	0	16.20	14.52	14.29	14.26
		12	6	16.20	14.47	14.37	14.30
		12	13	16.20	14.22	14.59	14.31
		25	0	16.20	14.45	14.47	14.32
	16QAM	1	0	16.20	14.46	14.52	14.77
		1	13	16.20	14.10	14.27	14.11
		1	24	16.20	14.57	14.67	14.70
		12	0	16.20	14.45	14.26	14.27
		12	6	16.20	14.08	14.19	14.28
		12	13	16.20	14.44	14.52	14.34
		25	0	16.20	14.55	14.14	14.61
	64QAM	1	0	16.20	14.70	14.55	14.45
		1	13	16.20	14.01	13.87	14.29
		1	24	16.20	14.67	14.27	14.66
		12	0	16.20	14.37	14.56	14.28
		12	6	16.20	14.49	14.27	14.57
		12	13	16.20	14.50	14.61	14.40
		25	0	16.20	14.56	14.33	14.66
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132022CH	132322CH	132622CH
10MHz	QPSK	1	0	16.20	14.67	14.37	14.69
		1	25	16.20	14.17	14.05	14.12
		1	49	16.20	14.49	14.34	14.51
		25	0	16.20	14.33	14.52	14.49
		25	13	16.20	14.33	14.38	14.41
		25	25	16.20	14.34	14.50	14.45
		50	0	16.20	14.64	14.48	14.67
	16QAM	1	0	16.20	14.65	14.61	14.49
		1	25	16.20	14.45	14.29	14.39
		1	49	16.20	14.57	14.76	14.64
		25	0	16.20	14.46	14.10	14.34
		25	13	16.20	14.31	14.20	14.20
		25	25	16.20	14.25	14.39	14.55
		50	0	16.20	14.28	14.39	14.43
	64QAM	1	0	16.20	14.56	14.53	14.62
		1	25	16.20	14.08	13.87	14.17
		1	49	16.20	14.43	14.49	14.43
		25	0	16.20	14.18	14.53	14.50
		25	13	16.20	14.44	14.17	14.22
		25	25	16.20	14.36	14.38	14.37
		50	0	16.20	14.49	14.50	14.41

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132047CH	132322CH	132597CH
15MHz	QPSK	1	0	16.20	14.53	14.61	14.73
		1	38	16.20	14.03	13.80	14.03
		1	74	16.20	14.35	14.43	14.50
		36	0	16.20	14.44	14.51	14.49
		36	18	16.20	14.31	14.51	14.51
		36	39	16.20	14.30	14.42	14.45
		75	0	16.20	14.31	14.26	14.50
	16QAM	1	0	16.20	14.61	14.54	14.70
		1	38	16.20	13.98	14.28	13.95
		1	74	16.20	14.86	14.63	14.86
		36	0	16.20	14.58	14.23	14.56
		36	18	16.20	14.29	14.11	14.23
		36	39	16.20	14.40	14.26	14.25
		75	0	16.20	14.30	14.08	14.33
	64QAM	1	0	16.20	14.71	14.63	14.41
		1	38	16.20	13.97	13.90	13.95
		1	74	16.20	14.50	14.50	14.40
		36	0	16.20	14.49	14.47	14.51
		36	18	16.20	14.38	14.35	14.35
		36	39	16.20	14.52	14.48	14.27
		75	0	16.20	14.56	14.16	14.46
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132072CH	132322CH	132572CH
20MHz	QPSK	1	0	16.20	<b>14.55</b>	14.50	14.49
		1	50	16.20	14.12	13.95	14.12
		1	99	16.20	14.54	14.45	14.39
		50	0	16.20	14.33	14.38	14.23
		50	25	16.20	<b>14.41</b>	14.32	14.35
		50	50	16.20	14.36	<b>14.49</b>	<b>14.50</b>
		100	0	16.20	14.50	14.33	14.26
	16QAM	1	0	16.20	14.60	14.57	14.60
		1	50	16.20	13.92	14.10	14.49
		1	99	16.20	14.73	14.63	14.77
		50	0	16.20	14.40	14.29	14.26
		50	25	16.20	14.27	14.24	14.21
		50	50	16.20	14.44	14.41	14.46
		100	0	16.20	14.44	14.26	14.31
	64QAM	1	0	16.20	14.42	14.50	14.37
		1	50	16.20	13.98	13.97	14.29
		1	99	16.20	14.62	14.32	14.63
		50	0	16.20	14.50	14.25	14.41
		50	25	16.20	14.54	14.14	14.24
		50	50	16.20	14.46	14.35	14.56
		100	0	16.20	14.51	14.17	14.30

Table 100: Conducted power measurement results of LTE Band 66(Reduced Power Level D1)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131979CH	132322CH	132665CH
1.4MHz	QPSK	1	0	12.70	10.78	10.13	10.78
		1	3	12.70	10.75	9.93	10.56
		1	5	12.70	11.15	10.69	10.78
		3	0	12.70	10.71	11.09	11.03
		3	2	12.70	10.23	10.93	10.72
		3	3	12.70	11.23	11.00	10.60
		6	0	12.70	10.83	11.23	10.96
	16QAM	1	0	12.70	10.71	10.95	10.50
		1	3	12.70	10.94	10.84	10.87
		1	5	12.70	10.86	11.28	10.99
		3	0	12.70	10.64	11.09	10.53
		3	2	12.70	11.01	11.04	10.89
		3	3	12.70	10.87	11.09	11.12
		6	0	12.70	10.59	11.11	10.15
	64QAM	1	0	12.70	11.22	11.32	11.02
		1	3	12.70	11.09	10.77	10.75
		1	5	12.70	10.79	11.20	10.70
		3	0	12.70	11.27	11.15	11.36
		3	2	12.70	10.74	11.11	10.70
		3	3	12.70	10.33	11.48	10.39
		6	0	12.70	11.30	10.90	11.01
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131987CH	132322CH	132657CH
3MHz	QPSK	1	0	12.70	10.96	10.08	10.90
		1	7	12.70	10.59	10.25	10.42
		1	14	12.70	11.16	10.63	10.95
		8	0	12.70	10.69	11.11	10.68
		8	4	12.70	10.20	10.87	10.59
		8	7	12.70	11.16	11.36	10.70
		15	0	12.70	10.61	11.20	10.81
	16QAM	1	0	12.70	10.82	10.73	10.56
		1	7	12.70	11.15	10.61	10.86
		1	14	12.70	10.70	11.18	10.79
		8	0	12.70	10.68	10.98	10.50
		8	4	12.70	10.97	10.96	11.10
		8	7	12.70	11.10	11.38	11.13
		15	0	12.70	10.79	11.18	10.20
	64QAM	1	0	12.70	11.36	11.29	11.16
		1	7	12.70	10.92	10.85	10.80
		1	14	12.70	10.63	11.08	10.53
		8	0	12.70	11.15	10.85	11.40
		8	4	12.70	10.65	10.84	11.04
		8	7	12.70	10.53	11.18	10.66
		15	0	12.70	11.26	10.89	10.97

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131997CH	132322CH	132647CH
5MHz	QPSK	1	0	12.70	10.92	10.00	10.58
		1	13	12.70	10.54	10.18	10.41
		1	24	12.70	11.03	10.71	10.99
		12	0	12.70	10.82	11.33	10.72
		12	6	12.70	10.33	11.13	10.43
		12	13	12.70	11.27	11.15	10.76
		25	0	12.70	10.55	11.20	10.65
	16QAM	1	0	12.70	10.77	10.80	10.48
		1	13	12.70	11.01	10.76	11.21
		1	24	12.70	11.05	11.43	11.11
		12	0	12.70	10.51	11.32	10.25
		12	6	12.70	11.16	10.86	11.08
		12	13	12.70	10.94	11.29	11.25
		25	0	12.70	10.69	11.15	10.47
	64QAM	1	0	12.70	11.25	11.06	11.05
		1	13	12.70	11.14	10.97	10.76
		1	24	12.70	10.44	10.98	10.76
		12	0	12.70	11.36	11.14	11.15
		12	6	12.70	10.89	11.05	11.03
		12	13	12.70	10.61	11.47	10.40
		25	0	12.70	10.99	10.63	11.15
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132022CH	132322CH	132622CH
10MHz	QPSK	1	0	12.70	10.86	9.89	10.82
		1	25	12.70	10.65	10.09	10.45
		1	49	12.70	11.12	10.79	11.04
		25	0	12.70	10.59	11.27	10.81
		25	13	12.70	10.49	10.96	10.61
		25	25	12.70	11.06	11.26	10.61
		50	0	12.70	10.61	11.30	10.72
	16QAM	1	0	12.70	10.62	10.77	10.51
		1	25	12.70	10.97	10.67	11.06
		1	49	12.70	10.79	11.28	10.79
		25	0	12.70	10.62	11.08	10.37
		25	13	12.70	10.91	11.02	10.90
		25	25	12.70	11.14	11.25	11.10
		50	0	12.70	10.52	11.38	10.41
	64QAM	1	0	12.70	11.20	10.94	11.14
		1	25	12.70	11.06	10.66	10.71
		1	49	12.70	10.50	11.12	10.54
		25	0	12.70	11.20	11.04	11.43
		25	13	12.70	10.69	10.95	10.78
		25	25	12.70	10.40	11.45	10.57
		50	0	12.70	10.94	10.77	10.83



Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132047CH	132322CH	132597CH
15MHz	QPSK	1	0	12.70	10.92	11.20	10.83
		1	38	12.70	10.49	11.08	10.43
		1	74	12.70	11.13	10.79	11.01
		36	0	12.70	10.85	10.99	11.02
		36	18	12.70	10.44	11.00	10.37
		36	39	12.70	11.10	11.05	10.86
		75	0	12.70	10.65	11.20	10.94
	16QAM	1	0	12.70	10.77	10.95	10.46
		1	38	12.70	11.01	10.82	10.88
		1	74	12.70	10.79	11.17	11.00
		36	0	12.70	10.43	11.06	10.40
		36	18	12.70	11.01	10.85	10.95
		36	39	12.70	11.00	11.10	11.08
		75	0	12.70	10.46	11.09	10.38
	64QAM	1	0	12.70	11.27	11.11	11.04
		1	38	12.70	10.96	10.88	10.91
		1	74	12.70	10.63	11.06	10.48
		36	0	12.70	11.09	11.02	11.12
		36	18	12.70	10.79	10.87	10.88
		36	39	12.70	10.60	11.09	10.64
		75	0	12.70	11.23	10.84	11.13
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132072CH	132322CH	132572CH
20MHz	QPSK	1	0	12.70	10.85	10.05	10.76
		1	50	12.70	10.67	10.08	10.43
		1	99	12.70	11.11	10.73	10.96
		50	0	12.70	10.69	11.17	10.86
		50	25	12.70	10.33	11.00	10.53
		50	50	12.70	11.23	11.17	10.66
		100	0	12.70	10.75	11.20	10.76
	16QAM	1	0	12.70	10.72	10.88	10.42
		1	50	12.70	10.99	10.72	11.02
		1	99	12.70	10.86	11.29	10.94
		50	0	12.70	10.59	11.16	10.39
		50	25	12.70	11.01	10.91	10.93
		50	50	12.70	10.99	11.23	11.08
		100	0	12.70	10.59	11.29	10.35
	64QAM	1	0	12.70	11.19	11.12	11.02
		1	50	12.70	10.99	10.79	10.72
		1	99	12.70	10.62	11.05	10.68
		50	0	12.70	11.20	11.02	11.34
		50	25	12.70	10.77	10.97	10.87
		50	50	12.70	10.46	11.29	10.51
		100	0	12.70	11.12	10.81	11.01

Table 101: Conducted power measurement results of LTE Band 66(Reduced Power Level D3)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131979CH	132322CH	132665CH
1.4MHz	QPSK	1	0	19.70	17.73	17.92	17.70
		1	3	19.70	18.04	18.17	17.89
		1	5	19.70	17.83	18.02	17.97
		3	0	19.70	17.64	17.87	17.83
		3	2	19.70	17.77	17.70	17.88
		3	3	19.70	17.88	17.69	17.93
		6	0	19.70	17.99	17.88	17.82
	16QAM	1	0	19.70	17.80	17.99	18.03
		1	3	19.70	17.90	17.77	18.16
		1	5	19.70	17.87	18.01	18.29
		3	0	19.70	17.84	17.68	17.71
		3	2	19.70	17.77	17.61	17.81
		3	3	19.70	17.65	17.61	17.89
		6	0	19.70	17.95	17.74	17.77
	64QAM	1	0	19.70	17.94	18.03	18.10
		1	3	19.70	17.33	17.92	17.82
		1	5	19.70	18.31	18.17	17.88
		3	0	19.70	17.60	18.00	18.03
		3	2	19.70	17.97	17.91	18.32
		3	3	19.70	17.87	17.93	18.16
		6	0	19.70	17.88	17.95	18.29
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131987CH	132322CH	132657CH
3MHz	QPSK	1	0	19.70	17.67	18.05	17.68
		1	7	19.70	17.90	18.23	17.97
		1	14	19.70	17.68	17.93	17.79
		8	0	19.70	17.59	17.82	17.68
		8	4	19.70	17.59	17.83	17.79
		8	7	19.70	17.88	17.59	18.00
		15	0	19.70	18.06	17.97	17.79
	16QAM	1	0	19.70	17.97	18.03	18.12
		1	7	19.70	17.85	17.95	18.31
		1	14	19.70	18.05	18.10	18.19
		8	0	19.70	17.91	17.80	17.70
		8	4	19.70	17.77	17.61	17.71
		8	7	19.70	17.84	17.48	18.08
		15	0	19.70	17.91	17.86	17.77
	64QAM	1	0	19.70	17.86	18.00	18.16
		1	7	19.70	17.29	17.97	17.66
		1	14	19.70	18.21	18.01	17.75
		8	0	19.70	17.59	17.84	18.23
		8	4	19.70	18.08	17.92	18.18
		8	7	19.70	18.04	18.12	18.13
		15	0	19.70	17.74	17.80	18.34

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131997CH	132322CH	132647CH
5MHz	QPSK	1	0	19.70	17.67	17.89	17.58
		1	13	19.70	17.94	18.02	18.01
		1	24	19.70	17.82	17.95	17.87
		12	0	19.70	17.71	18.06	17.79
		12	6	19.70	17.74	17.66	17.98
		12	13	19.70	17.96	17.61	17.97
		25	0	19.70	18.03	18.05	17.86
	16QAM	1	0	19.70	17.99	18.00	18.05
		1	13	19.70	18.08	17.90	18.25
		1	24	19.70	18.07	18.20	18.43
		12	0	19.70	17.81	17.51	17.81
		12	6	19.70	17.86	17.77	17.82
		12	13	19.70	17.58	17.45	17.74
		25	0	19.70	17.98	17.69	17.68
	64QAM	1	0	19.70	17.76	18.04	17.95
		1	13	19.70	17.48	18.12	17.97
		1	24	19.70	18.16	18.27	17.71
		12	0	19.70	17.43	18.08	17.95
		12	6	19.70	18.00	17.92	18.48
		12	13	19.70	17.93	17.95	18.00
		25	0	19.70	17.79	18.02	18.23
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132022CH	132322CH	132622CH
10MHz	QPSK	1	0	19.70	17.63	17.96	17.75
		1	25	19.70	18.11	18.13	18.05
		1	49	19.70	18.02	18.04	17.89
		25	0	19.70	17.60	18.03	17.81
		25	13	19.70	17.83	17.70	17.98
		25	25	19.70	17.84	17.80	18.01
		50	0	19.70	17.80	17.87	17.71
	16QAM	1	0	19.70	17.83	17.86	18.10
		1	25	19.70	17.90	17.72	18.31
		1	49	19.70	17.78	17.83	18.11
		25	0	19.70	17.99	17.80	17.72
		25	13	19.70	17.86	17.69	17.67
		25	25	19.70	17.50	17.74	17.84
		50	0	19.70	18.01	17.72	17.90
	64QAM	1	0	19.70	17.94	17.98	17.96
		1	25	19.70	17.39	17.87	17.93
		1	49	19.70	18.32	18.08	17.74
		25	0	19.70	17.62	17.98	18.14
		25	13	19.70	17.90	17.71	18.50
		25	25	19.70	17.71	17.87	18.15
		50	0	19.70	18.00	17.91	18.45

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132047CH	132322CH	132597CH
15MHz	QPSK	1	0	19.70	17.78	17.84	17.72
		1	38	19.70	17.99	17.97	17.75
		1	74	19.70	17.83	17.96	17.87
		36	0	19.70	17.77	17.82	18.01
		36	18	19.70	17.90	17.88	17.93
		36	39	19.70	17.78	17.88	17.93
		75	0	19.70	17.86	17.84	17.92
	16QAM	1	0	19.70	17.80	17.94	18.07
		1	38	19.70	17.89	17.85	18.20
		1	74	19.70	17.82	17.88	18.18
		36	0	19.70	17.71	17.74	17.84
		36	18	19.70	17.82	17.75	17.83
		36	39	19.70	17.71	17.76	17.87
		75	0	19.70	17.77	17.71	17.84
	64QAM	1	0	19.70	18.04	18.12	18.14
		1	38	19.70	17.48	17.78	17.62
		1	74	19.70	18.14	18.10	18.06
		36	0	19.70	17.60	17.90	18.03
		36	18	19.70	17.85	17.92	18.12
		36	39	19.70	17.79	17.96	18.17
		75	0	19.70	17.98	17.80	18.14
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132072CH	132322CH	132572CH
20MHz	QPSK	1	0	19.70	18.03	18.03	18.07
		1	50	19.70	17.45	17.69	17.56
		1	99	19.70	<b>18.08</b>	<b>18.03</b>	<b>18.12</b>
		50	0	19.70	17.79	17.84	17.97
		50	25	19.70	17.82	17.77	17.95
		50	50	19.70	17.80	17.92	<b>17.99</b>
		100	0	19.70	17.83	17.92	17.97
	16QAM	1	0	19.70	18.01	18.07	18.08
		1	50	19.70	17.39	17.74	17.50
		1	99	19.70	18.09	18.06	18.12
		50	0	19.70	17.64	17.79	17.86
		50	25	19.70	17.59	17.88	17.88
		50	50	19.70	17.67	17.92	17.91
		100	0	19.70	17.66	17.80	17.91
	64QAM	1	0	19.70	17.95	18.21	18.26
		1	50	19.70	17.55	17.67	17.43
		1	99	19.70	18.14	18.16	18.12
		50	0	19.70	17.94	18.03	18.13
		50	25	19.70	18.01	17.90	17.91
		50	50	19.70	17.70	17.85	17.85
		100	0	19.70	17.80	17.98	17.89

Table 102: Conducted power measurement results of LTE Band 66(Reduced Power Level D2)

### 7.1.30 Conducted power measurements of LTE Band 66 (Main Antenna)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131979CH	132322CH	132665CH
1.4MHz	QPSK	1	0	25.20	23.29	23.36	23.21
		1	3	25.20	22.94	22.91	23.20
		1	5	25.20	23.26	23.46	23.24
		3	0	25.20	22.97	23.33	23.21
		3	2	25.20	23.04	23.05	23.25
		3	3	25.20	23.20	23.17	23.25
		6	0	24.20	22.08	22.14	23.17
	16QAM	1	0	24.20	22.23	22.26	22.26
		1	3	24.20	22.34	22.27	22.32
		1	5	24.20	22.26	22.25	22.33
		3	0	24.20	22.35	22.25	22.24
		3	2	24.20	22.25	22.26	22.37
		3	3	24.20	22.27	22.39	22.38
		6	0	23.20	21.21	21.24	21.19
	64QAM	1	0	23.20	22.25	22.09	22.33
		1	3	23.20	22.15	22.07	22.28
		1	5	23.20	22.24	22.44	22.35
		3	0	23.20	22.25	22.19	22.28
		3	2	23.20	22.24	22.12	22.32
		3	3	23.20	22.11	22.15	22.00
		6	0	22.20	21.09	21.12	21.05
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131987CH	132322CH	132657CH
3MHz	QPSK	1	0	25.20	23.31	23.36	23.35
		1	7	25.20	22.58	23.38	23.39
		1	14	25.20	23.24	23.33	23.34
		8	0	24.20	22.20	23.24	23.24
		8	4	24.20	22.19	23.23	23.27
		8	7	24.20	22.33	23.28	23.25
		15	0	24.20	22.13	22.22	22.24
	16QAM	1	0	24.20	22.46	22.42	22.38
		1	7	24.20	22.41	22.46	22.45
		1	14	24.20	22.39	22.43	22.41
		8	0	23.20	22.28	22.20	22.23
		8	4	23.20	22.27	22.21	22.26
		8	7	23.20	22.28	22.25	22.16
		15	0	23.20	21.21	21.20	21.24
	64QAM	1	0	23.20	22.24	22.17	22.20
		1	7	23.20	22.18	22.09	22.33
		1	14	23.20	22.31	22.31	22.21
		8	0	22.20	20.17	20.13	20.21
		8	4	22.20	21.19	21.10	21.21
		8	7	22.20	21.06	20.94	21.15
		15	0	22.20	21.49	21.45	21.41

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131997CH	132322CH	132647CH
5MHz	QPSK	1	0	25.20	23.33	23.45	23.40
		1	13	25.20	23.30	23.40	23.42
		1	24	25.20	23.07	23.06	23.08
		12	0	24.20	23.23	23.37	23.34
		12	6	24.20	23.20	23.28	23.26
		12	13	24.20	23.17	23.26	23.24
		25	0	24.20	22.19	22.34	22.32
	16QAM	1	0	24.20	22.50	22.56	22.45
		1	13	24.20	22.54	22.60	22.53
		1	24	24.20	22.30	22.35	22.28
		12	0	23.20	22.40	22.38	22.36
		12	6	23.20	22.34	22.34	22.33
		12	13	23.20	22.29	22.27	22.27
		25	0	23.20	21.32	21.32	21.31
	64QAM	1	0	23.20	22.32	22.12	22.14
		1	13	23.20	22.40	22.36	22.44
		1	24	23.20	22.37	22.10	22.35
		12	0	22.20	20.18	20.16	20.13
		12	6	22.20	21.40	21.03	21.39
		12	13	22.20	20.99	21.28	21.47
		25	0	22.20	21.36	21.19	21.11
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132022CH	132322CH	132622CH
10MHz	QPSK	1	0	25.20	23.49	23.39	23.38
		1	25	25.20	23.00	22.96	22.95
		1	49	25.20	23.31	23.32	23.29
		25	0	24.20	22.30	22.29	22.28
		25	13	24.20	22.21	22.21	22.20
		25	25	24.20	22.17	22.17	22.16
		50	0	24.20	22.29	22.28	22.27
	16QAM	1	0	24.20	22.54	22.45	22.46
		1	25	24.20	22.00	22.01	22.03
		1	49	24.20	22.32	22.36	22.33
		25	0	23.20	21.28	21.30	21.28
		25	13	23.20	21.13	21.15	21.16
		25	25	23.20	21.13	21.12	21.12
		50	0	23.20	21.23	21.24	21.24
	64QAM	1	0	23.20	22.36	22.01	22.15
		1	25	23.20	22.09	22.14	22.42
		1	49	23.20	22.13	22.10	22.34
		25	0	22.20	20.31	20.28	20.19
		25	13	22.20	21.35	20.98	21.35
		25	25	22.20	21.08	21.20	21.27
		50	0	22.20	21.33	21.50	21.20

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132047CH	132322CH	132597CH
15MHz	QPSK	1	0	25.20	23.15	23.20	23.36
		1	38	25.20	23.39	23.21	23.11
		1	74	25.20	23.18	23.20	23.15
		36	0	24.20	22.12	22.23	22.22
		36	18	24.20	22.11	22.34	22.23
		36	39	24.20	22.10	22.32	22.16
		75	0	24.20	22.12	22.21	22.17
	16QAM	1	0	24.20	22.59	22.46	22.43
		1	38	24.20	22.32	22.37	22.52
		1	74	24.20	22.31	22.36	22.48
		36	0	23.20	21.15	21.20	21.16
		36	18	23.20	21.15	21.27	21.16
		36	39	23.20	21.13	21.33	21.13
		75	0	23.20	21.19	21.23	21.06
	64QAM	1	0	23.20	22.35	22.19	22.38
		1	38	23.20	22.24	22.18	22.19
		1	74	23.20	22.34	22.38	22.27
		36	0	22.20	20.11	20.31	20.31
		36	18	22.20	21.31	20.99	21.18
		36	39	22.20	21.35	21.09	21.29
		75	0	22.20	21.21	21.25	21.18
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132072CH	132322CH	132572CH
20MHz	QPSK	1	0	25.20	23.28	<b>23.41</b>	23.34
		1	50	25.20	22.94	22.98	22.94
		1	99	25.20	<b>23.32</b>	23.33	<b>23.38</b>
		50	0	24.20	22.17	22.19	22.17
		50	25	24.20	22.08	22.17	22.14
		50	50	24.20	22.22	<b>22.34</b>	22.17
		100	0	24.20	22.19	22.30	22.19
	16QAM	1	0	24.20	22.50	22.60	22.73
		1	50	24.20	22.05	22.22	22.20
		1	99	24.20	22.46	22.75	22.70
		50	0	23.20	21.13	21.19	21.15
		50	25	23.20	21.05	21.11	21.13
		50	50	23.20	21.17	21.33	21.16
		100	0	23.20	21.14	21.26	21.19
	64QAM	1	0	23.20	22.23	22.15	22.31
		1	50	23.20	22.13	22.08	22.24
		1	99	23.20	22.37	22.37	22.15
		50	0	22.20	20.13	20.29	20.23
		50	25	22.20	21.30	21.12	21.32
		50	50	22.20	21.25	21.03	21.40
		100	0	22.20	21.34	21.14	21.41

Table 103: Conducted power measurement results of LTE Band 66(Full Power)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	
				Max.	131979CH	132322CH	132665CH	
1.4MHz	QPSK	1	0	22.20	20.56	20.50	20.55	
		1	3	22.20	19.96	20.14	20.08	
		1	5	22.20	20.33	20.45	20.44	
		3	0	22.20	20.15	20.42	20.17	
		3	2	22.20	20.37	20.30	20.16	
		3	3	22.20	20.17	20.27	20.15	
	16QAM	6	0	22.20	20.15	20.34	20.21	
		1	0	22.20	20.86	20.58	20.76	
		1	3	22.20	20.20	20.18	20.15	
		1	5	22.20	20.51	20.60	20.70	
		3	0	22.20	20.41	20.39	20.38	
		3	2	22.20	20.27	20.23	19.98	
	64QAM	3	3	22.20	20.18	20.23	20.27	
		6	0	22.20	20.32	20.20	20.11	
		1	0	22.20	20.77	20.76	20.62	
		1	3	22.20	20.20	20.19	19.96	
		1	5	22.20	20.56	20.49	20.56	
		3	0	22.20	20.43	20.31	20.15	
	3MHz	QPSK	3	2	22.20	20.36	20.22	20.29
			3	3	22.20	20.26	20.16	20.21
			6	0	22.20	20.40	20.14	20.39
1			0	22.20	20.55	20.52	20.54	
1			7	22.20	19.96	20.13	20.07	
1			14	22.20	20.31	20.42	20.46	
8			0	22.20	20.17	20.42	20.18	
16QAM		8	4	22.20	20.36	20.32	20.15	
		8	7	22.20	20.21	20.29	20.16	
		15	0	22.20	20.17	20.34	20.17	
		1	0	22.20	20.87	20.61	20.72	
		1	7	22.20	20.20	20.19	20.13	
		1	14	22.20	20.50	20.58	20.66	
		8	0	22.20	20.37	20.35	20.38	
64QAM		8	4	22.20	20.23	20.23	20.02	
		8	7	22.20	20.15	20.25	20.27	
		15	0	22.20	20.33	20.18	20.08	
		1	0	22.20	20.76	20.75	20.62	
		1	7	22.20	20.23	20.22	19.98	
		1	14	22.20	20.55	20.52	20.59	
		8	0	22.20	20.40	20.31	20.16	
64QAM	8	4	22.20	20.33	20.22	20.32		
	8	7	22.20	20.28	20.15	20.19		
	15	0	22.20	20.41	20.14	20.38		
	15	0	22.20	20.41	20.14	20.38		



Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131997CH	132322CH	132647CH
5MHz	QPSK	1	0	22.20	20.56	20.54	20.52
		1	13	22.20	20.01	20.13	20.10
		1	24	22.20	20.30	20.42	20.46
		12	0	22.20	20.14	20.41	20.17
		12	6	22.20	20.37	20.33	20.12
		12	13	22.20	20.20	20.28	20.17
		25	0	22.20	20.13	20.36	20.18
	16QAM	1	0	22.20	20.84	20.61	20.75
		1	13	22.20	20.19	20.21	20.15
		1	24	22.20	20.49	20.58	20.68
		12	0	22.20	20.39	20.34	20.40
		12	6	22.20	20.22	20.25	20.01
		12	13	22.20	20.20	20.24	20.29
		25	0	22.20	20.34	20.17	20.10
	64QAM	1	0	22.20	20.78	20.75	20.64
		1	13	22.20	20.22	20.20	19.98
		1	24	22.20	20.56	20.49	20.60
		12	0	22.20	20.43	20.31	20.17
		12	6	22.20	20.35	20.21	20.28
		12	13	22.20	20.27	20.18	20.24
		25	0	22.20	20.42	20.17	20.36
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132022CH	132322CH	132622CH
10MHz	QPSK	1	0	22.20	20.58	20.54	20.51
		1	25	22.20	19.99	20.14	20.06
		1	49	22.20	20.31	20.42	20.42
		25	0	22.20	20.17	20.39	20.18
		25	13	22.20	20.36	20.30	20.15
		25	25	22.20	20.20	20.29	20.14
		50	0	22.20	20.15	20.37	20.16
	16QAM	1	0	22.20	20.84	20.60	20.73
		1	25	22.20	20.19	20.16	20.14
		1	49	22.20	20.49	20.59	20.69
		25	0	22.20	20.37	20.37	20.39
		25	13	22.20	20.25	20.26	20.02
		25	25	22.20	20.17	20.25	20.29
		50	0	22.20	20.33	20.20	20.07
	64QAM	1	0	22.20	20.79	20.73	20.61
		1	25	22.20	20.22	20.20	19.96
		1	49	22.20	20.53	20.51	20.58
		25	0	22.20	20.44	20.30	20.14
		25	13	22.20	20.33	20.22	20.32
		25	25	22.20	20.29	20.18	20.24
		50	0	22.20	20.41	20.17	20.39

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132047CH	132322CH	132597CH
15MHz	QPSK	1	0	22.20	20.58	20.53	20.55
		1	38	22.20	19.97	20.14	20.07
		1	74	22.20	20.30	20.45	20.47
		36	0	22.20	20.16	20.39	20.19
		36	18	22.20	20.35	20.33	20.15
		36	39	22.20	20.18	20.27	20.12
		75	0	22.20	20.18	20.36	20.20
	16QAM	1	0	22.20	20.82	20.62	20.75
		1	38	22.20	20.19	20.17	20.13
		1	74	22.20	20.47	20.58	20.69
		36	0	22.20	20.37	20.34	20.40
		36	18	22.20	20.23	20.26	20.02
		36	39	22.20	20.17	20.25	20.29
		75	0	22.20	20.31	20.19	20.09
	64QAM	1	0	22.20	20.80	20.71	20.63
		1	38	22.20	20.20	20.19	19.97
		1	74	22.20	20.55	20.51	20.57
		36	0	22.20	20.44	20.32	20.16
		36	18	22.20	20.33	20.20	20.32
		36	39	22.20	20.28	20.20	20.20
		75	0	22.20	20.40	20.13	20.35
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132072CH	132322CH	132572CH
20MHz	QPSK	1	0	22.20	<b>20.50</b>	<b>20.46</b>	<b>20.47</b>
		1	50	22.20	19.92	20.06	20.01
		1	99	22.20	20.25	20.37	20.38
		50	0	22.20	20.10	<b>20.34</b>	20.13
		50	25	22.20	20.29	20.25	20.07
		50	50	22.20	20.13	20.21	20.08
		100	0	22.20	20.09	20.29	20.12
	16QAM	1	0	22.20	20.78	20.53	20.68
		1	50	22.20	20.14	20.12	20.08
		1	99	22.20	20.43	20.54	20.62
		50	0	22.20	20.33	20.30	20.33
		50	25	22.20	20.18	20.18	19.94
		50	50	22.20	20.11	20.18	20.21
		100	0	22.20	20.26	20.12	20.02
	64QAM	1	0	22.20	20.71	20.67	20.55
		1	50	22.20	20.14	20.13	19.90
		1	99	22.20	20.49	20.44	20.51
		50	0	22.20	20.35	20.23	20.10
		50	25	22.20	20.29	20.15	20.24
		50	50	22.20	20.22	20.11	20.15
		100	0	22.20	20.35	20.09	20.31

Table 104: Conducted power measurement results of LTE Band 66(Reduced Power Level D3/D5)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131979CH	132322CH	132665CH
1.4MHz	QPSK	1	0	23.20	21.44	21.38	21.34
		1	3	23.20	20.87	20.93	21.38
		1	5	23.20	21.50	21.27	21.37
		3	0	23.20	21.12	21.26	21.40
		3	2	23.20	21.10	20.71	21.41
		3	3	23.20	21.13	21.29	21.41
		6	0	23.20	21.20	21.06	21.36
	16QAM	1	0	23.20	21.44	21.35	21.43
		1	3	23.20	21.48	21.39	21.48
		1	5	23.20	21.44	21.49	21.46
		3	0	23.20	21.39	21.52	21.51
		3	2	23.20	21.52	21.53	21.52
		3	3	23.20	21.40	21.40	21.39
		6	0	23.20	21.38	21.30	21.35
	64QAM	1	0	23.20	21.46	21.40	21.62
		1	3	23.20	21.43	21.17	21.44
		1	5	23.20	21.40	21.65	21.46
		3	0	23.20	21.39	21.49	21.47
		3	2	23.20	21.27	21.23	21.58
		3	3	23.20	21.29	21.24	21.01
		6	0	22.20	21.01	21.05	20.98
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
3MHz	QPSK	1	0	23.20	21.44	21.48	21.43
		1	7	23.20	21.58	21.51	21.48
		1	14	23.20	21.45	21.48	21.44
		8	0	23.20	21.39	21.27	21.42
		8	4	23.20	21.29	21.43	21.40
		8	7	23.20	21.12	21.44	21.37
		15	0	23.20	21.34	21.24	21.40
	16QAM	1	0	23.20	21.55	21.49	21.51
		1	7	23.20	21.53	21.55	21.52
		1	14	23.20	21.61	21.53	21.52
		8	0	23.20	21.37	21.41	21.40
		8	4	23.20	21.40	21.40	21.23
		8	7	23.20	21.43	21.43	21.35
		15	0	23.20	21.22	21.20	21.21
	64QAM	1	0	23.20	21.46	21.48	21.54
		1	7	23.20	21.53	21.16	21.58
		1	14	23.20	21.62	21.49	21.56
		8	0	22.20	20.02	20.02	20.28
		8	4	22.20	21.06	21.20	21.06
		8	7	22.20	21.10	20.78	21.10
		15	0	22.20	21.57	21.28	21.38

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	
				Max.	131997CH	132322CH	132647CH	
5MHz	QPSK	1	0	23.20	21.40	21.29	21.28	
		1	13	23.20	21.48	21.51	21.50	
		1	24	23.20	21.02	21.06	21.03	
		12	0	23.20	21.38	21.24	21.29	
		12	6	23.20	21.43	21.44	21.43	
		12	13	23.20	21.35	21.39	21.38	
	16QAM	25	0	23.20	21.25	21.37	21.36	
		1	0	23.20	21.50	21.54	21.62	
		1	13	23.20	21.61	21.64	21.62	
		1	24	23.20	21.29	21.30	21.31	
		12	0	23.20	21.39	21.44	21.38	
		12	6	23.20	21.40	21.39	21.38	
	64QAM	12	13	23.20	21.34	21.34	21.34	
		25	0	23.20	21.32	21.33	21.31	
		1	0	23.20	21.57	21.46	21.38	
		1	13	23.20	21.23	21.21	21.57	
		1	24	23.20	21.62	21.47	21.26	
		12	0	22.20	19.98	20.08	20.09	
	10MHz	QPSK	12	6	22.20	21.09	21.05	21.30
			12	13	22.20	21.21	21.11	21.04
			25	0	22.20	21.46	21.60	21.51
1			0	23.20	21.37	21.29	21.28	
1			25	23.20	20.95	20.98	20.94	
1			49	23.20	21.41	21.39	21.39	
25			0	23.20	21.35	21.38	21.35	
16QAM		25	13	23.20	21.29	21.29	21.27	
		25	25	23.20	21.18	21.19	21.23	
		50	0	23.20	21.35	21.34	21.34	
		1	0	23.20	21.63	21.43	21.59	
		1	25	23.20	21.01	21.02	21.07	
		1	49	23.20	21.44	21.35	21.43	
		25	0	23.20	21.28	21.30	21.28	
64QAM		25	13	23.20	21.15	21.16	21.15	
	25	25	23.20	21.14	21.12	21.13		
	50	0	23.20	21.24	21.25	21.23		
	1	0	23.20	21.38	21.51	21.25		
	1	25	23.20	21.55	21.29	21.49		
	1	49	23.20	21.56	21.38	21.41		
	25	0	22.20	20.16	20.19	20.15		
	25	13	22.20	21.12	21.19	21.14		
25	25	22.20	21.21	20.77	21.20			
50	0	22.20	21.54	21.60	21.45			

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132047CH	132322CH	132597CH
15MHz	QPSK	1	0	23.20	21.45	21.23	21.31
		1	38	23.20	21.30	21.41	21.36
		1	74	23.20	21.18	21.38	21.30
		36	0	23.20	21.27	21.25	21.37
		36	18	23.20	21.27	21.37	21.36
		36	39	23.20	21.22	21.39	21.25
		75	0	23.20	21.27	21.18	21.16
	16QAM	1	0	23.20	21.38	21.50	21.61
		1	38	23.20	21.50	21.55	21.61
		1	74	23.20	21.39	21.52	21.43
		36	0	23.20	21.19	21.18	21.15
		36	18	23.20	21.15	21.25	21.16
		36	39	23.20	21.14	21.33	21.14
		75	0	23.20	21.18	21.18	21.05
	64QAM	1	0	23.20	21.46	21.43	21.34
		1	38	23.20	21.24	21.35	21.68
		1	74	23.20	21.47	21.48	21.39
		36	0	22.20	20.06	20.02	20.19
		36	18	22.20	21.31	21.07	21.37
		36	39	22.20	21.21	21.02	21.18
		75	0	22.20	21.64	21.29	21.46
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132072CH	132322CH	132572CH
20MHz	QPSK	1	0	23.20	21.61	21.45	21.50
		1	50	23.20	20.97	21.01	21.00
		1	99	23.20	21.55	21.46	21.52
		50	0	23.20	21.35	21.18	21.26
		50	25	23.20	21.19	21.15	21.31
		50	50	23.20	21.38	21.38	21.30
		100	0	23.20	21.24	21.22	21.30
	16QAM	1	0	23.20	21.60	21.66	21.49
		1	50	23.20	21.04	21.22	21.25
		1	99	23.20	21.63	21.48	21.65
		50	0	23.20	21.12	21.18	21.16
		50	25	23.20	21.04	21.11	21.12
		50	50	23.20	21.17	21.32	21.16
		100	0	23.20	21.12	21.35	21.15
	64QAM	1	0	23.20	21.52	21.37	21.56
		1	50	23.20	21.40	21.31	21.37
		1	99	23.20	21.50	21.46	21.23
		50	0	22.20	20.12	19.93	20.06
		50	25	22.20	21.37	21.12	21.12
		50	50	22.20	20.90	20.95	21.15
		100	0	22.20	21.30	21.54	21.60

Table 105: Conducted power measurement results of LTE Band 66(Reduced Power Level D1)

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel	
				Max.	131979CH	132322CH	132665CH	
1.4MHz	QPSK	1	0	20.20	18.42	18.53	18.55	
		1	3	20.20	18.20	18.18	18.14	
		1	5	20.20	18.54	18.36	18.43	
		3	0	20.20	18.43	18.43	18.38	
		3	2	20.20	18.31	18.37	18.25	
		3	3	20.20	18.41	18.38	18.19	
	16QAM	6	0	20.20	18.20	18.26	18.36	
		1	0	20.20	18.56	18.66	18.82	
		1	3	20.20	18.12	18.54	18.11	
		1	5	20.20	18.57	18.09	18.60	
		3	0	20.20	18.25	18.33	18.20	
		3	2	20.20	18.13	18.28	18.09	
	64QAM	3	3	20.20	18.28	18.14	18.09	
		6	0	20.20	18.34	18.35	18.11	
		1	0	20.20	18.37	18.57	18.69	
		1	3	20.20	18.28	18.15	18.09	
		1	5	20.20	18.50	18.75	18.45	
		3	0	20.20	18.15	18.38	18.19	
	3MHz	QPSK	3	2	20.20	18.32	18.29	18.16
			3	3	20.20	18.16	18.34	18.14
			6	0	20.20	18.35	18.37	18.16
1			0	20.20	18.41	18.48	18.51	
1			7	20.20	18.19	18.18	18.10	
1			14	20.20	18.50	18.36	18.43	
8			0	20.20	18.40	18.41	18.40	
16QAM		8	4	20.20	18.34	18.33	18.27	
		8	7	20.20	18.41	18.38	18.20	
		15	0	20.20	18.20	18.24	18.32	
		1	0	20.20	18.55	18.64	18.84	
		1	7	20.20	18.09	18.50	18.13	
		1	14	20.20	18.57	18.11	18.57	
		8	0	20.20	18.28	18.31	18.19	
64QAM		8	4	20.20	18.08	18.26	18.12	
		8	7	20.20	18.28	18.13	18.09	
		15	0	20.20	18.30	18.35	18.13	
		1	0	20.20	18.40	18.57	18.69	
		1	7	20.20	18.26	18.15	18.09	
		1	14	20.20	18.51	18.74	18.44	
		8	0	20.20	18.16	18.36	18.16	
64QAM	8	4	20.20	18.33	18.28	18.15		
	8	7	20.20	18.11	18.34	18.16		
	15	0	20.20	18.38	18.34	18.18		
	15	0	20.20	18.38	18.34	18.18		

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	131997CH	132322CH	132647CH
5MHz	QPSK	1	0	20.20	18.43	18.52	18.52
		1	13	20.20	18.20	18.17	18.12
		1	24	20.20	18.51	18.35	18.41
		12	0	20.20	18.44	18.41	18.40
		12	6	20.20	18.31	18.35	18.25
		12	13	20.20	18.39	18.35	18.18
		25	0	20.20	18.20	18.26	18.36
	16QAM	1	0	20.20	18.57	18.62	18.81
		1	13	20.20	18.13	18.50	18.12
		1	24	20.20	18.56	18.10	18.59
		12	0	20.20	18.25	18.34	18.20
		12	6	20.20	18.10	18.29	18.09
		12	13	20.20	18.28	18.11	18.08
		25	0	20.20	18.31	18.37	18.13
	64QAM	1	0	20.20	18.36	18.56	18.68
		1	13	20.20	18.25	18.18	18.09
		1	24	20.20	18.50	18.71	18.41
		12	0	20.20	18.14	18.35	18.17
		12	6	20.20	18.34	18.27	18.12
		12	13	20.20	18.15	18.35	18.13
		25	0	20.20	18.35	18.35	18.18
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132022CH	132322CH	132622CH
10MHz	QPSK	1	0	20.20	18.39	18.53	18.53
		1	25	20.20	18.20	18.17	18.11
		1	49	20.20	18.53	18.36	18.44
		25	0	20.20	18.43	18.39	18.41
		25	13	20.20	18.33	18.33	18.27
		25	25	20.20	18.41	18.35	18.20
		50	0	20.20	18.19	18.25	18.35
	16QAM	1	0	20.20	18.58	18.61	18.84
		1	25	20.20	18.11	18.52	18.12
		1	49	20.20	18.54	18.08	18.59
		25	0	20.20	18.24	18.34	18.19
		25	13	20.20	18.13	18.25	18.11
		25	25	20.20	18.27	18.10	18.10
		50	0	20.20	18.34	18.34	18.14
	64QAM	1	0	20.20	18.40	18.58	18.68
		1	25	20.20	18.25	18.15	18.09
		1	49	20.20	18.51	18.74	18.42
		25	0	20.20	18.13	18.38	18.17
		25	13	20.20	18.32	18.29	18.12
		25	25	20.20	18.13	18.31	18.13
		50	0	20.20	18.34	18.36	18.16

Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132047CH	132322CH	132597CH
15MHz	QPSK	1	0	20.20	18.41	18.52	18.54
		1	38	20.20	18.17	18.18	18.12
		1	74	20.20	18.51	18.35	18.45
		36	0	20.20	18.43	18.41	18.40
		36	18	20.20	18.32	18.36	18.26
		36	39	20.20	18.40	18.35	18.20
		75	0	20.20	18.19	18.23	18.36
	16QAM	1	0	20.20	18.57	18.63	18.83
		1	38	20.20	18.12	18.52	18.13
		1	74	20.20	18.58	18.11	18.59
		36	0	20.20	18.27	18.36	18.18
		36	18	20.20	18.09	18.24	18.08
		36	39	20.20	18.31	18.12	18.08
		75	0	20.20	18.34	18.35	18.15
	64QAM	1	0	20.20	18.37	18.58	18.67
		1	38	20.20	18.25	18.15	18.10
		1	74	20.20	18.49	18.72	18.44
		36	0	20.20	18.15	18.40	18.16
		36	18	20.20	18.32	18.30	18.11
		36	39	20.20	18.12	18.31	18.13
		75	0	20.20	18.35	18.34	18.19
Bandwidth	Modulation	RB size	RB offset	Tune-up	Channel	Channel	Channel
				Max.	132072CH	132322CH	132572CH
20MHz	QPSK	1	0	20.20	18.35	18.44	18.47
		1	50	20.20	18.11	18.11	18.06
		1	99	20.20	18.45	18.31	18.36
		50	0	20.20	18.36	18.34	18.33
		50	25	20.20	18.25	18.28	18.20
		50	50	20.20	18.35	18.30	18.14
		100	0	20.20	18.12	18.18	18.27
	16QAM	1	0	20.20	18.49	18.57	18.76
		1	50	20.20	18.05	18.45	18.06
		1	99	20.20	18.49	18.03	18.53
		50	0	20.20	18.20	18.27	18.11
		50	25	20.20	18.04	18.20	18.03
		50	50	20.20	18.22	18.06	18.03
		100	0	20.20	18.26	18.28	18.07
	64QAM	1	0	20.20	18.32	18.51	18.61
		1	50	20.20	18.20	18.10	18.03
		1	99	20.20	18.44	18.67	18.37
		50	0	20.20	18.07	18.31	18.11
		50	25	20.20	18.26	18.23	18.07
		50	50	20.20	18.07	18.27	18.08
		100	0	20.20	18.29	18.29	18.11

Table 106: Conducted power measurement results of LTE Band 66(Reduced Power Level D4)



### **7.1.31 onducted 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:























### 7.1.32 Conducted Power measurements of Uplink LTE CA

For Intra-band uplink LTE CA measurement (Uplink CA\_7C, CA\_38C, CA\_41C), the following procedure is applied:

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

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

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

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

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

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

Table 117: MPR information for Uplink intra-band contiguous CA(QPSK and 16QAM)

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

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

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

Table 118: MPR information for Uplink intra-band contiguous CA(64QAM)







MAIN ANT	CA_41C	Full Power	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	23.68	25.20
MAIN ANT	CA_41C	Full Power	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	23.91	25.20
MAIN ANT	CA_41C	Full Power	QPSK	41	20	1	0	40473	40473	41	20	40275	1	99	23.69	25.20
MAIN ANT	CA_41C	Full Power	QPSK	41	20	1	99	40807	40807	41	20	41005	1	0	23.78	25.20
MAIN ANT	CA_41C	Full Power	QPSK	41	20	1	0	40807	40807	41	20	40609	1	99	23.87	25.20
MAIN ANT	CA_41C	Full Power	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	23.88	25.20
MAIN ANT	UL CA_41C With DL CA_41D	Full Power	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	23.79	25.20
MAIN ANT	UL CA_41C With DL CA_26A-41C	Full Power	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	23.83	25.20
MAIN ANT	CA_41C	Reduced Power Level D1/D3/D5	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	21.92	23.20
MAIN ANT	CA_41C	Reduced Power Level D1/D3/D5	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	21.93	23.20
MAIN ANT	CA_41C	Reduced Power Level D1/D3/D5	QPSK	41	20	1	0	40473	40473	41	20	40275	1	99	21.90	23.20
MAIN ANT	CA_41C	Reduced Power Level D1/D3/D5	QPSK	41	20	1	99	40807	40807	41	20	41005	1	0	21.95	23.20
MAIN ANT	CA_41C	Reduced Power Level D1/D3/D5	QPSK	41	20	1	0	40807	40807	41	20	40609	1	99	22.09	23.20
MAIN ANT	CA_41C	Reduced Power Level D1/D3/D5	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	22.06	23.20
MAIN ANT	UL CA_41C With DL CA_41D	Reduced Power Level D1/D3/D5	QPSK	41	20	1	0	40807	40807	41	20	40609	1	99	21.93	23.20
MAIN ANT	UL CA_41C With DL CA_26A-41C	Full Power	QPSK	41	20	1	0	40807	40807	41	20	40609	1	99	21.96	23.20
MAIN ANT	CA_41C	Reduced Power Level D4	QPSK	41	20	1	99	40140	40140	41	20	40338	1	0	19.69	21.20
MAIN ANT	CA_41C	Reduced Power Level D4	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	20.01	21.20
MAIN ANT	CA_41C	Reduced Power Level D4	QPSK	41	20	1	0	40473	40473	41	20	40275	1	99	20.01	21.20
MAIN ANT	CA_41C	Reduced Power Level D4	QPSK	41	20	1	99	40807	40807	41	20	41005	1	0	19.85	21.20
MAIN ANT	CA_41C	Reduced Power Level D4	QPSK	41	20	1	0	40807	40807	41	20	40609	1	99	19.92	21.20
MAIN ANT	CA_41C	Reduced Power Level D4	QPSK	41	20	1	0	41140	41140	41	20	40942	1	99	19.89	21.20
MAIN ANT	UL CA_41C With DL CA_41D	Reduced Power Level D4	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	19.81	21.20
MAIN ANT	UL CA_41C With DL CA_26A-41C	Reduced Power Level D4	QPSK	41	20	1	99	40473	40473	41	20	40671	1	0	19.79	21.20

Table 119: Additional Conducted Power test results of UL inter-band CA

Note: For uplink CA, additional SAR test is only required on the uplink CA configurations with 2 component carriers downlink. Additional SAR test is not required for uplink CA configurations with 3~4 component carriers downlink because the highest UL CA output power configuration with 3~4 component carriers downlink is < 1/4 dB higher than the same UL CA output power configuration with 2 component carriers downlink.



### 7.1.33 Conducted power measurements of WiFi 2.4G

Mode	Ant	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11b	Ant5(core0)	1	2412	1M	10.50	<b>8.87</b>
		6	2437		10.50	<b>9.32</b>
		11	2462		10.50	<b>9.61</b>
	Ant6(core1)	1	2412		10.50	<b>9.20</b>
		6	2437		10.50	<b>9.87</b>
		11	2462		10.50	<b>9.34</b>
802.11g SISO	Ant5(core0)	1	2412	6M	10.50	8.93
		6	2437		10.50	8.93
		11	2462		10.50	8.76
	Ant6(core1)	1	2412		10.50	9.26
		6	2437		10.50	8.63
		11	2462		10.50	9.41
802.11n SISO 20M	Ant5(core0)	1	2412	MCS0	10.50	8.75
		6	2437		10.50	8.79
		11	2462		10.50	8.65
	Ant6(core1)	1	2412		10.50	9.10
		6	2437		10.50	8.51
		11	2462		10.50	9.30
802.11n SISO 40M	Ant5(core0)	3	2422	MCS0	9.00	7.31
		4	2427		10.50	<b>9.89</b>
		5	2432		10.50	<b>9.92</b>
		6	2437		10.50	<b>9.69</b>
		7	2442		8.00	6.50
		8	2447		8.00	6.62
		9	2452		8.00	6.47
	Ant6(core1)	3	2422	MCS0	9.00	7.74
		4	2427		10.50	<b>8.96</b>
		5	2432		10.50	<b>9.68</b>
		6	2437		10.50	<b>9.19</b>
		7	2442		8.00	6.53
		8	2447		8.00	6.49
		9	2452		8.00	6.20

Table 120: Conducted power measurement results of WiFi 2.4G SISO(MCC of FCC countries,Receiver ON).

Mode	Ant	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11g CDD	Ant5(core0)	1	2412	6M	10.50	8.93
		6	2437		10.50	8.93
		11	2462		10.50	8.76
	Ant6(core1)	1	2412		10.50	9.26
		6	2437		10.50	8.63
		11	2462		10.50	9.41
	Sum	1	2412	6M	13.50	12.11
		6	2437		13.50	11.79
		11	2462		13.50	12.11
802.11n MIMO 20M	Ant5(core0)	1	2412	MCS0	10.50	8.75
		6	2437		10.50	8.79
		11	2462		10.50	8.65
	Ant6(core1)	1	2412		10.50	9.10
		6	2437		10.50	8.51
		11	2462		10.50	9.30
	Sum	1	2412	MCS0	13.50	11.94
		6	2437		13.50	11.66
		11	2462		13.50	12.00
802.11n MIMO 40M	Ant5(core0)	3	2422	MCS8	9.00	7.31
		4	2427		10.50	9.89
		5	2432		10.50	9.92
		6	2437		10.50	9.69
		7	2442		8.00	6.50
		8	2447		8.00	6.62
		9	2452		8.00	6.47
	Ant6(core1)	3	2422		9.00	7.74
		4	2427		10.50	8.96
		5	2432		10.50	9.68
		6	2437		10.50	9.19
		7	2442		8.00	6.53
		8	2447		8.00	6.49
		9	2452		8.00	6.20
	Sum	3	2422	MCS8	12.00	10.54
		4	2427		13.50	12.46
		5	2432		13.50	12.81
		6	2437		13.50	12.46
		7	2442		11.00	9.53
		8	2447		11.00	9.57
		9	2452		11.00	9.35

Table 121: Conducted power measurement results of WiFi 2.4G CDD/MIMO(MCC of FCC countries,Receiver ON).

Mode	Ant	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11b	Ant5(core0)	1	2412	1M	19.00	<b>17.69</b>
		6	2437		19.00	<b>17.82</b>
		11	2462		19.00	<b>18.00</b>
	Ant6(core1)	1	2412		18.50	<b>17.52</b>
		6	2437		18.50	<b>17.07</b>
		11	2462		18.50	<b>17.81</b>
802.11g SISO	Ant5(core0)	1	2412	6M	11.50	9.43
		2	2417		18.00	<b>16.03</b>
		6	2437		18.00	<b>16.37</b>
		10	2457		18.00	<b>16.22</b>
		11	2462		11.50	9.67
	Ant6(core1)	1	2412		11.50	9.10
		2	2417		17.50	<b>15.69</b>
		6	2437		17.50	<b>15.58</b>
		10	2457		17.50	<b>15.84</b>
		11	2462		11.50	10.20
802.11n SISO 20M	Ant5(core0)	1	2412	MCS0	11.50	9.44
		2	2417		17.00	14.67
		6	2437		17.00	14.99
		10	2457		17.00	14.85
		11	2462		11.50	9.55
	Ant6(core1)	1	2412		11.50	9.05
		2	2417		16.50	14.59
		6	2437		16.50	14.56
		10	2457		16.50	14.80
		11	2462		11.50	10.03
802.11n SISO 40M	Ant5(core0)	3	2422	MCS0	9.00	7.92
		4	2427		17.00	15.02
		5	2432		17.00	15.36
		6	2437		17.00	15.13
		7	2442		8.00	6.39
		8	2447		8.00	6.53
		9	2452		8.00	7.01
	Ant6(core1)	3	2422	MCS0	9.00	8.08
		4	2427		16.50	15.16
		5	2432		16.50	15.20
		6	2437		16.50	15.37
		7	2442		8.00	6.53
		8	2447		8.00	6.70
		9	2452		8.00	7.02

Table 122: Conducted power measurement results of WiFi 2.4G SISO(Full Power).

Mode	Ant	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11g CDD	Ant5(core0)	1	2412	6M	11.50	9.42
		2	2417		18.00	15.91
		6	2437		18.00	16.20
		10	2457		18.00	16.10
		11	2462		11.50	9.70
	Ant6(core1)	1	2412		11.50	9.10
		2	2417		17.50	15.84
		6	2437		17.50	15.51
		10	2457		17.50	15.63
		11	2462		11.50	9.30
	Sum	1	2412		14.50	12.27
		2	2417		20.80	18.89
		6	2437		20.80	18.88
		10	2457		20.80	18.88
		11	2462		14.50	12.51
802.11n MIMO 20M	Ant5(core0)	1	2412	MCS0	11.50	9.02
		2	2417		17.00	14.52
		6	2437		17.00	14.87
		10	2457		17.00	14.79
		11	2462		11.50	9.29
	Ant6(core1)	1	2412		11.50	8.53
		2	2417		16.50	14.83
		6	2437		16.50	14.49
		10	2457		16.50	14.45
		11	2462		11.50	8.61
	Sum	1	2412		14.50	11.79
		2	2417		19.80	17.69
		6	2437		19.80	17.69
		10	2457		19.80	17.63
		11	2462		14.50	11.97
802.11n MIMO 40M	Ant5(core0)	3	2422	MCS0	9.00	7.67
		4	2427		17.00	15.00
		5	2432		17.00	15.09
		6	2437		17.00	15.03
		7	2442		8.00	6.63
		8	2447		8.00	6.71
		9	2452		8.00	6.91
	Ant6(core1)	3	2422		9.00	7.66
		4	2427		16.50	15.25
		5	2432		16.50	15.30
		6	2437		16.50	15.39
		7	2442		8.00	6.80
		8	2447		8.00	6.29
		9	2452		8.00	6.32
	Sum	3	2422		12.00	10.68

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		4	2427		19.80	18.14
		5	2432		19.80	18.21
		6	2437		19.80	18.22
		7	2442		11.00	9.73
		8	2447		11.00	9.52
		9	2452		11.00	9.64

Table 123: Conducted power measurement results of WiFi 2.4G CDD/MIMO(Full Power).

Mode	Ant	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11b	Ant5(core0)	1	2412	1M	12.00	10.40
		7	2442		12.00	10.44
		13	2472		12.00	10.51
	Ant6(core1)	1	2412		12.00	11.04
		7	2442		12.00	10.92
		13	2472		12.00	10.71
802.11g SISO	Ant5(core0)	1	2412	6M	11.50	9.51
		2	2417		12.00	10.40
		7	2442		12.00	10.16
		10	2457		12.00	9.78
		11	2462		11.50	9.50
		12	2467		12.00	10.26
		13	2472		12.00	10.26
	Ant6(core1)	1	2412		11.50	9.65
		2	2417		12.00	10.67
		7	2442		12.00	10.13
		10	2457		12.00	10.32
		11	2462		11.50	10.05
		12	2467		12.00	10.39
		13	2472		12.00	10.13
802.11n SISO 20M	Ant5(core0)	1	2412	MCS0	11.50	9.36
		2	2417		12.00	10.23
		7	2442		12.00	9.60
		10	2457		12.00	9.62
		11	2462		11.50	9.34
		12	2467		12.00	9.95
		13	2472		12.00	10.02
	Ant6(core1)	1	2412		11.50	9.42
		2	2417		12.00	10.46
		7	2442		12.00	9.95
		10	2457		12.00	10.18
		11	2462		11.50	10.16
		12	2467		12.00	9.90
		13	2472		12.00	9.91
802.11n SISO 40M	Ant5(core0)	3	2422	MCS0	9.00	7.81
		4	2427		12.00	10.36
		7	2442		8.00	10.32
		8	2447		8.00	10.70
		9	2452		8.00	6.89
		10	2457		8.00	7.01
		11	2462		8.00	6.83
	Ant6(core1)	3	2422		9.00	8.38
		4	2427		12.00	11.45
		7	2442		8.00	10.88
		8	2447		8.00	10.89
		9	2452		8.00	6.96
		10	2457		8.00	6.87
		11	2462		8.00	6.91

Table 124: Conducted power measurement results of WiFi 2.4G SISO(MCC of CE countries,Receiver ON).

Mode	Ant	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11g CDD	Ant5(core0)	1	2412	6M	11.50	9.51
		2	2417		12.00	10.40
		7	2442		12.00	9.86
		10	2457		12.00	9.78
		11	2462		11.50	9.50
		12	2467		12.00	10.26
		13	2472		12.00	10.26
	Ant6(core1)	1	2412		11.50	9.65
		2	2417		12.00	10.67
		7	2442		12.00	10.13
		10	2457		12.00	10.32
		11	2462		11.50	10.05
		12	2467		12.00	10.39
		13	2472		12.00	10.13
	Sum	1	2412		14.50	12.59
		2	2417		15.00	13.28
		7	2442		15.00	13.11
		10	2457		15.00	12.93
		11	2462		14.50	12.98
		12	2467		15.00	13.21
		13	2472		15.00	14.59
802.11n MIMO 20M	Ant5(core0)	1	2412	MCS0	11.50	9.36
		2	2417		12.00	10.23
		7	2442		12.00	9.60
		10	2457		12.00	9.62
		11	2462		11.50	9.34
		12	2467		12.00	9.95
		13	2472		12.00	10.02
	Ant6(core1)	1	2412		11.50	9.42
		2	2417		12.00	10.46
		7	2442		12.00	9.95
		10	2457		12.00	10.18
		11	2462		11.50	10.16
		12	2467		12.00	9.90
		13	2472		12.00	9.91
	Sum	1	2412		14.50	12.40
		2	2417		15.00	13.36
		7	2442		15.00	12.79
		10	2457		15.00	12.92
		11	2462		14.50	12.78
		12	2467		15.00	12.94
		13	2472		15.00	12.98
802.11n MIMO 40M	Ant5(core0)	3	2422	MCS8	9.00	7.81
		4	2427		12.00	10.36
		7	2442		12.00	10.32

		8	2447		12.00	10.70
		9	2452		8.00	6.89
		10	2457		8.00	7.01
		11	2462		8.00	6.83
	Ant6(core1)	3	2422		9.00	8.38
		4	2427		12.00	11.45
		7	2442		12.00	10.88
		8	2547		12.00	10.89
		9	2452		8.00	6.96
		10	2457		8.00	6.87
		11	2462		8.00	6.91
	Sum	3	2422		12.00	11.11
		4	2427		15.00	13.95
		7	2442		15.00	13.62
		8	2447		15.00	13.81
		9	2452		11.00	9.94
		10	2457		11.00	9.95
		11	2462		11.00	9.88

Table 125: Conducted power measurement results of WiFi 2.4G CDD/MIMO(MCC of CE countries,Receiver ON).

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.



### 7.1.34 Conducted power measurements of WiFi 5G

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11a SISO	Ant5(core0)	CH 36	5180	6M	8.50	7.17
		CH 40	5200		8.50	7.27
		CH 44	5220		8.50	7.43
		CH 48	5240		8.50	7.26
		CH 52	5260		8.50	6.32
		CH 56	5280		8.50	6.38
		CH 60	5300		8.50	6.04
		CH 64	5320		8.50	5.94
		CH 100	5500		8.50	7.59
		CH 104	5520		8.50	7.52
		CH 108	5540		8.50	7.47
		CH 112	5560		8.50	7.45
		CH 116	5580		8.50	6.89
		CH 120	5600		8.50	6.97
		CH 124	5620		8.50	7.19
		CH 128	5640		8.50	7.33
		CH 132	5660		8.50	7.68
		CH 136	5680		8.50	7.78
		CH 140	5700		8.50	7.69
		CH 149	5745		8.50	7.85
	CH 153	5765	8.50	7.78		
	CH 157	5785	8.50	7.70		
	CH 161	5805	8.50	7.73		
	CH 165	5825	8.50	7.84		
	Ant6(core1)	CH 36	5180	6M	8.50	6.95
		CH 40	5200		8.50	7.00
		CH 44	5220		8.50	6.78
		CH 48	5240		8.50	6.81
		CH 52	5260		8.50	6.48
		CH 56	5280		8.50	6.38
		CH 60	5300		8.50	6.49
		CH 64	5320		8.50	6.45
		CH 100	5500		8.50	6.12
		CH 104	5520		8.50	6.25
CH 108		5540	8.50		6.38	
CH 112		5560	8.50		6.76	
CH 116		5580	8.50		6.67	
CH 120		5600	8.50		6.58	
CH 124	5620	8.50	6.71			
CH 128	5640	8.50	6.79			
CH 132	5660	8.50	7.04			
CH 136	5680	8.50	6.96			
CH 140	5700	8.50	6.98			
CH 149	5745	8.50	6.04			
CH 153	5765	8.50	5.89			

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	
802.11n SISO 20M		CH 157	5785		8.50	6.41	
		CH 161	5805		8.50	6.61	
		CH 165	5825		8.50	6.54	
	Ant5(core0)		CH 36	5180	MCS0	8.50	7.34
			CH 40	5200		8.50	7.34
			CH 44	5220		8.50	7.04
			CH 48	5240		8.50	6.90
			CH 52	5260		8.50	6.10
			CH 56	5280		8.50	5.96
			CH 60	5300		8.50	5.99
			CH 64	5320		8.50	5.85
			CH 100	5500		8.50	7.50
			CH 104	5520		8.50	7.41
			CH 108	5540		8.50	7.31
			CH 112	5560		8.50	7.31
			CH 116	5580		8.50	6.90
			CH 120	5600		8.50	6.99
			CH 124	5620		8.50	6.93
			CH 128	5640		8.50	7.06
			CH 132	5660		8.50	7.56
			CH 136	5680		8.50	7.63
			CH 140	5700		8.50	7.54
			CH 149	5745		8.50	7.85
			CH 153	5765		8.50	7.76
	CH 157	5785	8.50	7.65			
	CH 161	5805	8.50	7.73			
	CH 165	5825	8.50	7.80			
	Ant6(core1)		CH 36	5180	MCS0	8.50	6.91
			CH 40	5200		8.50	6.68
			CH 44	5220		8.50	6.65
CH 48			5240	8.50		6.52	
CH 52			5260	8.50		6.45	
CH 56			5280	8.50		6.21	
CH 60			5300	8.50		6.32	
CH 64			5320	8.50		6.44	
CH 100			5500	8.50		6.14	
CH 104			5520	8.50		6.07	
CH 108			5540	8.50		6.25	
CH 112			5560	8.50		6.44	
CH 116			5580	8.50		6.57	
CH 120	5600	8.50	6.66				
CH 124	5620	8.50	6.52				
CH 128	5640	8.50	6.59				
CH 132	5660	8.50	6.87				

		CH 136	5680		8.50	6.89
		CH 140	5700		8.50	6.83
		CH 149	5745		8.50	5.87
		CH 153	5765		8.50	6.03
		CH 157	5785		8.50	5.91
		CH 161	5805		8.50	6.82
		CH 165	5825		8.50	6.60
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11n SISO 40M	Ant5(core0)	CH 38	5190	MCS0	8.50	7.70
		CH 46	5230		8.50	7.38
		CH 54	5270		8.50	6.50
		CH 62	5310		8.50	6.17
		CH 102	5510		8.50	7.68
		CH 110	5550		8.50	7.64
		CH 118	5590		8.50	7.18
		CH 126	5630		8.50	7.35
		CH 134	5670		8.50	8.03
		CH 151	5755		8.50	8.11
	CH 159	5795	8.50	8.13		
	Ant6(core1)	CH 38	5190	MCS0	8.50	7.30
		CH 46	5230		8.50	7.20
		CH 54	5270		8.50	7.12
		CH 62	5310		8.50	7.00
		CH 102	5510		8.50	6.11
		CH 110	5550		8.50	6.48
		CH 118	5590		8.50	6.83
		CH 126	5630		8.50	6.78
		CH 134	5670		8.50	7.14
CH 151		5755	8.50		6.21	
CH 159	5795	8.50	6.59			
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac SISO 20M	Ant5(core0)	CH 36	5180	MCS0	8.50	7.18
		CH 40	5200		8.50	7.17
		CH 44	5220		8.50	7.01
		CH 48	5240		8.50	7.01
		CH 52	5260		8.50	6.50
		CH 56	5280		8.50	6.40
		CH 60	5300		8.50	6.17
		CH 64	5320		8.50	6.11
		CH 100	5500		8.50	7.45
		CH 104	5520		8.50	7.37
		CH 108	5540		8.50	7.27
		CH 112	5560		8.50	7.25
		CH 116	5580		8.50	6.70

		CH 120	5600		8.50	6.79
		CH 124	5620		8.50	6.83
		CH 128	5640		8.50	6.92
		CH 132	5660		8.50	7.32
		CH 136	5680		8.50	7.32
		CH 140	5700		8.50	7.38
		CH 149	5745		8.50	7.56
		CH 153	5765		8.50	7.50
		CH 157	5785		8.50	7.59
		CH 161	5805		8.50	7.69
		CH 165	5825		8.50	7.85
		Ant6(core1)	CH 36		5180	MCS0
	CH 40		5200	8.50	6.78	
	CH 44		5220	8.50	6.73	
	CH 48		5240	8.50	6.56	
	CH 52		5260	8.50	6.26	
	CH 56		5280	8.50	6.14	
	CH 60		5300	8.50	6.22	
	CH 64		5320	8.50	6.33	
	CH 100		5500	8.50	6.51	
	CH 104		5520	8.50	6.55	
	CH 108		5540	8.50	6.58	
	CH 112		5560	8.50	6.68	
	CH 116		5580	8.50	6.74	
	CH 120		5600	8.50	6.73	
	CH 124		5620	8.50	6.99	
	CH 128		5640	8.50	7.06	
	CH 132		5660	8.50	7.29	
	CH 136		5680	8.50	7.33	
	CH 140		5700	8.50	7.17	
	CH 149		5745	8.50	5.80	
	CH 153	5765	8.50	5.86		
CH 157	5785	8.50	5.88			
CH 161	5805	8.50	6.20			
CH 165	5825	8.50	6.49			
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac SISO 40M	Ant5(core0)	CH 38	5190	MCS0	8.50	7.41
		CH 46	5230		8.50	7.23
		CH 54	5270		8.50	6.18
		CH 62	5310		8.50	6.31
		CH 102	5510		8.50	7.28
		CH 110	5550		8.50	7.12
		CH 118	5590		8.50	6.72
		CH 126	5630		8.50	6.97
		CH 134	5670		8.50	7.73

		CH 151	5755		8.50	7.69
		CH 159	5795		8.50	7.78
	Ant6(core1)	MCS0	CH 38	5190	8.50	7.46
			CH 46	5230	8.50	7.21
			CH 54	5270	8.50	7.00
			CH 62	5310	8.50	6.93
			CH 102	5510	8.50	6.77
			CH 110	5550	8.50	7.01
			CH 118	5590	8.50	7.10
			CH 126	5630	8.50	7.20
			CH 134	5670	8.50	7.49
			CH 151	5755	8.50	6.16
			CH 159	5795	8.50	6.41
			Mode	Antenna	Channel	Frequency (MHz)
802.11ac SISO 80M	Ant5(core0)	CH 42	5210	MCS0	8.50	7.14
		CH 58	5290		8.50	<b>6.57</b>
		CH 106	5530		8.50	7.32
		CH 122	5610		8.50	7.01
		CH 155	5775		8.50	<b>7.57</b>
	Ant6(core1)	CH 42	5210	MCS0	8.50	7.30
		CH 58	5290		8.50	<b>7.08</b>
		CH 106	5530		8.50	7.05
		CH 122	5610		8.50	7.37
		CH 155	5775		8.50	<b>6.56</b>
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac SISO 160M	Ant5(core0)	CH 50	5250	MCS0	8.50	7.76
		CH 114	5570		8.50	<b>7.82</b>
	Ant6(core1)	CH 50	5250	MCS0	8.50	7.25
		CH 114	5570		8.50	<b>7.16</b>

Table 126: Conducted power measurement results of WiFi 5G SISO(MCC of FCC countries,Receiver ON)

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11a CDD	Ant5(core0)	CH 36	5180	6M	8.50	7.17
		CH 40	5200		8.50	7.27
		CH 44	5220		8.50	7.43
		CH 48	5240		8.50	7.26
		CH 52	5260		8.50	6.32
		CH 56	5280		8.50	6.38
		CH 60	5300		8.50	6.04
		CH 64	5320		8.50	5.94
		CH 100	5500		8.50	7.59
		CH 104	5520		8.50	7.52
		CH 108	5540		8.50	7.47
		CH 112	5560		8.50	7.45
		CH 116	5580		8.50	6.89
		CH 120	5600		8.50	6.97
		CH 124	5620		8.50	7.19
		CH 128	5640		8.50	7.33
		CH 132	5660		8.50	7.68
		CH 136	5680		8.50	7.78
		CH 140	5700		8.50	7.69
		CH 149	5745		8.50	7.85
	CH 153	5765	8.50		7.78	
	CH 157	5785	8.50		7.70	
	CH 161	5805	8.50		7.73	
	CH 165	5825	8.50		7.84	
	Ant6(core1)	CH 36	5180		8.50	6.95
		CH 40	5200		8.50	7.00
		CH 44	5220		8.50	6.78
		CH 48	5240		8.50	6.81
		CH 52	5260		8.50	6.48
		CH 56	5280		8.50	6.38
		CH 60	5300		8.50	6.49
		CH 64	5320		8.50	6.45
		CH 100	5500		8.50	6.12
		CH 104	5520		8.50	6.25
CH 108		5540	8.50	6.38		
CH 112		5560	8.50	6.76		
CH 116		5580	8.50	6.67		
CH 120		5600	8.50	6.58		
CH 124	5620	8.50	6.71			
CH 128	5640	8.50	6.79			
CH 132	5660	8.50	7.04			
CH 136	5680	8.50	6.96			
CH 140	5700	8.50	6.98			

		CH 149	5745	6M	8.50	6.04
		CH 153	5765		8.50	5.89
		CH 157	5785		8.50	6.41
		CH 161	5805		8.50	6.61
		CH 165	5825		8.50	6.54
	Sum	CH 36	5180		11.50	10.07
		CH 40	5200		11.50	10.15
		CH 44	5220		11.50	10.13
		CH 48	5240		11.50	10.05
		CH 52	5260		11.50	9.41
		CH 56	5280		11.50	9.39
		CH 60	5300		11.50	9.28
		CH 64	5320		11.50	9.21
		CH 100	5500		11.50	9.93
		CH 104	5520		11.50	9.94
		CH 108	5540		11.50	9.97
		CH 112	5560		11.50	10.13
		CH 116	5580		11.50	9.79
		CH 120	5600		11.50	9.79
		CH 124	5620		11.50	9.97
		CH 128	5640		11.50	10.08
		CH 132	5660		11.50	10.38
		CH 136	5680		11.50	10.40
		CH 140	5700		11.50	10.36
		CH 149	5745		11.50	10.05
CH 153	5765	11.50	9.95			
CH 157	5785	11.50	10.11			
CH 161	5805	11.50	10.22			
CH 165	5825	11.50	10.25			
802.11n MIMO 20M	Ant5(core0)	CH 36	5180	MCS0	8.50	7.34
		CH 40	5200		8.50	7.34
		CH 44	5220		8.50	7.04
		CH 48	5240		8.50	6.90
		CH 52	5260		8.50	6.10
		CH 56	5280		8.50	5.96
		CH 60	5300		8.50	5.99
		CH 64	5320		8.50	5.85
		CH 100	5500		8.50	7.50
		CH 104	5520		8.50	7.41
		CH 108	5540		8.50	7.31
		CH 112	5560		8.50	7.31
		CH 116	5580		8.50	6.90
		CH 120	5600		8.50	6.99
		CH 124	5620		8.50	6.93
CH 128	5640	8.50	7.06			
CH 132	5660	8.50	7.56			

		CH 136	5680		8.50	7.63		
		CH 140	5700		8.50	7.54		
		CH 149	5745		8.50	7.85		
		CH 153	5765		8.50	7.76		
		CH 157	5785		8.50	7.65		
		CH 161	5805		8.50	7.73		
		CH 165	5825		8.50	7.80		
	Ant6(core1)	CH 36	5180		8.50	6.91		
		CH 40	5200		8.50	6.68		
		CH 44	5220		8.50	6.65		
		CH 48	5240		8.50	6.52		
		CH 52	5260		8.50	6.45		
		CH 56	5280		8.50	6.21		
		CH 60	5300		8.50	6.32		
		CH 64	5320		8.50	6.44		
		CH 100	5500		8.50	6.14		
		CH 104	5520		8.50	6.07		
		CH 108	5540		8.50	6.25		
		CH 112	5560		8.50	6.44		
		CH 116	5580		8.50	6.57		
		CH 120	5600		8.50	6.66		
		CH 124	5620		8.50	6.52		
		CH 128	5640		8.50	6.59		
		CH 132	5660		8.50	6.87		
		CH 136	5680		8.50	6.89		
		CH 140	5700		8.50	6.83		
		CH 149	5745		8.50	5.87		
		CH 153	5765		8.50	6.03		
		CH 157	5785		8.50	5.91		
		CH 161	5805		8.50	6.82		
		CH 165	5825		8.50	6.60		
		Sum	CH 36		5180	MCS0	11.50	10.14
			CH 40		5200		11.50	10.03
			CH 44		5220		11.50	9.86
CH 48	5240		11.50	9.72				
CH 52	5260		11.50	9.29				
CH 56	5280		11.50	9.10				
CH 60	5300		11.50	9.17				
CH 64	5320		11.50	9.17				
CH 100	5500		11.50	9.88				
CH 104	5520		11.50	9.80				
CH 108	5540		11.50	9.82				
CH 112	5560		11.50	9.91				
CH 116	5580		11.50	9.75				
CH 120	5600	11.50	9.84					
CH 124	5620	11.50	9.74					



		CH 128	5640		11.50	9.84
		CH 132	5660		11.50	10.24
		CH 136	5680		11.50	10.29
		CH 140	5700		11.50	10.21
		CH 149	5745		11.50	9.98
		CH 153	5765		11.50	9.99
		CH 157	5785		11.50	9.88
		CH 161	5805		11.50	10.31
		CH 165	5825		11.50	10.25
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11n MIMO 40M	Ant5(core0)	CH 38	5190	MCS0	8.50	7.70
		CH 46	5230		8.50	7.38
		CH 54	5270		8.50	6.50
		CH 62	5310		8.50	6.17
		CH 102	5510		8.50	7.68
		CH 110	5550		8.50	7.64
		CH 118	5590		8.50	7.18
		CH 126	5630		8.50	7.35
		CH 134	5670		8.50	8.03
		CH 151	5755		8.50	8.11
	CH 159	5795	8.50		8.13	
	Ant6(core1)	CH 38	5190		8.50	7.30
		CH 46	5230		8.50	7.20
		CH 54	5270		8.50	7.12
		CH 62	5310		8.50	7.00
		CH 102	5510		8.50	6.11
		CH 110	5550		8.50	6.48
		CH 118	5590		8.50	6.83
		CH 126	5630		8.50	6.78
		CH 134	5670		8.50	7.14
		CH 151	5755		8.50	6.21
	CH 159	5795	8.50		6.59	
	Sum	CH 38	5190		11.50	10.51
		CH 46	5230		11.50	10.30
		CH 54	5270		11.50	9.83
		CH 62	5310		11.50	9.62
		CH 102	5510		11.50	9.98
		CH 110	5550		11.50	10.11
		CH 118	5590		11.50	10.02
		CH 126	5630		11.50	10.08
CH 134		5670	11.50	10.62		
CH 151		5755	11.50	10.27		
CH 159	5795	11.50	10.44			

Mode	Antenna	Channel	Frequency(MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac MIMO 20M	Ant5(core0)	CH 36	5180	MCS0	8.50	7.18
		CH 40	5200		8.50	7.17
		CH 44	5220		8.50	7.01
		CH 48	5240		8.50	7.01
		CH 52	5260		8.50	6.50
		CH 56	5280		8.50	6.40
		CH 60	5300		8.50	6.17
		CH 64	5320		8.50	6.11
		CH 100	5500		8.50	7.45
		CH 104	5520		8.50	7.37
		CH 108	5540		8.50	7.27
		CH 112	5560		8.50	7.25
		CH 116	5580		8.50	6.70
		CH 120	5600		8.50	6.79
		CH 124	5620		8.50	6.83
		CH 128	5640		8.50	6.92
		CH 132	5660		8.50	7.32
		CH 136	5680		8.50	7.32
		CH 140	5700		8.50	7.38
		CH 149	5745		8.50	7.56
	CH 153	5765	8.50		7.50	
	CH 157	5785	8.50		7.59	
	CH 161	5805	8.50		7.69	
	CH 165	5825	8.50		7.85	
	Ant6(core1)	CH 36	5180		8.50	6.93
		CH 40	5200		8.50	6.78
		CH 44	5220		8.50	6.73
		CH 48	5240		8.50	6.56
		CH 52	5260		8.50	6.26
		CH 56	5280		8.50	6.14
		CH 60	5300		8.50	6.22
		CH 64	5320		8.50	6.33
		CH 100	5500		8.50	6.51
		CH 104	5520		8.50	6.55
CH 108		5540	8.50	6.58		
CH 112		5560	8.50	6.68		
CH 116		5580	8.50	6.74		
CH 120		5600	8.50	6.73		
CH 124	5620	8.50	6.99			
CH 128	5640	8.50	7.06			
CH 132	5660	8.50	7.29			
CH 136	5680	8.50	7.33			
CH 140	5700	8.50	7.17			
CH 149	5745	8.50	5.80			
CH 153	5765	8.50	5.86			
CH 157	5785	8.50	5.88			

		CH 161	5805	MCS0	8.50	6.20
		CH 165	5825		8.50	6.49
	Sum	CH 36	5180		11.50	10.07
		CH 40	5200		11.50	9.99
		CH 44	5220		11.50	9.88
		CH 48	5240		11.50	9.80
		CH 52	5260		11.50	9.39
		CH 56	5280		11.50	9.28
		CH 60	5300		11.50	9.21
		CH 64	5320		11.50	9.23
		CH 100	5500		11.50	10.02
		CH 104	5520		11.50	9.99
		CH 108	5540		11.50	9.95
		CH 112	5560		11.50	9.98
		CH 116	5580		11.50	9.73
		CH 120	5600		11.50	9.77
		CH 124	5620		11.50	9.92
		CH 128	5640		11.50	10.00
		CH 132	5660		11.50	10.32
		CH 136	5680		11.50	10.34
		CH 140	5700		11.50	10.29
		CH 149	5745		11.50	9.78
		CH 153	5765		11.50	9.77
		CH 157	5785		11.50	9.83
	CH 161	5805	11.50		10.02	
CH 165	5825	11.50	10.23			
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac MIMO 40M	Ant5(core0)	CH 38	5190	MCS0	8.50	7.41
		CH 46	5230		8.50	7.23
		CH 54	5270		8.50	6.18
		CH 62	5310		8.50	6.31
		CH 102	5510		8.50	7.28
		CH 110	5550		8.50	7.12
		CH 118	5590		8.50	6.72
		CH 126	5630		8.50	6.97
		CH 134	5670		8.50	7.73
		CH 151	5755		8.50	7.69
	CH 159	5795	8.50		7.78	
	Ant6(core1)	CH 38	5190		8.50	7.46
		CH 46	5230		8.50	7.21
		CH 54	5270		8.50	7.00
		CH 62	5310		8.50	6.93
		CH 102	5510		8.50	6.77
		CH 110	5550		8.50	7.01
		CH 118	5590		8.50	7.10
CH 126		5630	8.50	7.20		

		CH 134	5670	MCS0	8.50	7.49	
		CH 151	5755		8.50	6.16	
		CH 159	5795		8.50	6.41	
	Sum	CH 38	5190		11.50	10.45	
		CH 46	5230		11.50	10.23	
		CH 54	5270		11.50	9.62	
		CH 62	5310		11.50	9.64	
		CH 102	5510		11.50	10.04	
		CH 110	5550		11.50	10.08	
		CH 118	5590		11.50	9.92	
		CH 126	5630		11.50	10.10	
		CH 134	5670		11.50	10.62	
		CH 151	5755		11.50	10.00	
		CH 159	5795		11.50	10.16	
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	
802.11ac MIMO 80M	Ant5(core0)	CH 42	5210	MCS0	8.50	7.14	
		CH 58	5290		8.50	6.57	
		CH 106	5530		8.50	7.32	
		CH 122	5610		8.50	7.01	
		CH 155	5775		8.50	7.57	
	Ant6(core1)	CH 42	5210		8.50	7.30	
		CH 58	5290		8.50	7.08	
		CH 106	5530		8.50	7.05	
		CH 122	5610		8.50	7.37	
		CH 155	5775		8.50	6.56	
	Sum	CH 42	5210		MCS0	11.50	10.23
		CH 58	5290			11.50	9.84
		CH 106	5530			11.50	10.20
		CH 122	5610			11.50	10.20
		CH 155	5775			11.50	10.10
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	
802.11ac MIMO 160M	Ant5(core0)	CH 50	5250	MCS0	8.50	7.76	
		CH 114	5570		8.50	7.82	
	Ant6(core1)	CH 50	5250		8.50	7.25	
		CH 114	5570		8.50	7.16	
	Sum	CH 50	5250	MCS0	11.50	10.52	
		CH 114	5570		11.50	10.51	

Table 127: Conducted power measurement results of WiFi 5G CDD/MIMO(MCC of FCC countries,Receiver ON)

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	
802.11a SISO	Ant5(core0)	CH 36	5180	6M	11.50	9.81	
		CH 40	5200		17.00	<b>15.96</b>	
		CH 44	5220		17.00	<b>15.90</b>	
		CH 48	5240		17.00	<b>15.81</b>	
		CH 52	5260		17.00	<b>15.53</b>	
		CH 56	5280		17.00	<b>16.03</b>	
		CH 60	5300		17.00	<b>15.92</b>	
		CH 64	5320		11.50	8.86	
		CH 100	5500		11.50	10.18	
		CH 104	5520		17.00	<b>16.30</b>	
		CH 108	5540		17.00	16.23	
		CH 112	5560		17.00	16.22	
		CH 116	5580		17.00	<b>16.14</b>	
		CH 120	5600		17.00	16.17	
		CH 124	5620		17.00	16.28	
		CH 128	5640		17.00	16.36	
		CH 132	5660		17.00	16.37	
		CH 136	5680		17.00	<b>16.40</b>	
		CH 140	5700		10.50	9.10	
		CH 149	5745		11.50	<b>9.39</b>	
	CH 153	5765	11.50	9.33			
	CH 157	5785	11.50	9.31			
	CH 161	5805	11.50	<b>9.41</b>			
	CH 165	5825	11.50	<b>9.40</b>			
		Ant6(core1)	CH 36	5180	6M	11.50	9.46
			CH 40	5200		16.50	<b>15.57</b>
			CH 44	5220		16.50	<b>15.49</b>
			CH 48	5240		16.50	<b>15.30</b>
			CH 52	5260		16.50	<b>15.28</b>
			CH 56	5280		16.50	<b>15.28</b>
			CH 60	5300		16.50	<b>15.33</b>
			CH 64	5320		11.50	8.93
			CH 100	5500		11.50	8.70
			CH 104	5520		16.50	14.86
	CH 108		5540	16.50		15.01	
	CH 112		5560	16.50		15.08	
	CH 116		5580	16.50		<b>15.39</b>	
	CH 120		5600	16.50		15.28	
	CH 124	5620	16.50	15.33			
	CH 128	5640	16.50	15.38			
	CH 132	5660	16.50	<b>15.50</b>			
	CH 136	5680	16.50	<b>15.52</b>			
	CH 140	5700	10.50	8.52			
	CH 149	5745	11.50	8.35			
	CH 153	5765	11.50	8.61			

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)				
802.11n SISO 20M		CH 157	5785		11.50	<b>8.82</b>				
		CH 161	5805		11.50	<b>9.09</b>				
		CH 165	5825		11.50	<b>9.24</b>				
	Ant5(core0)		CH 36	5180	MCS0	11.50	10.08			
			CH 40	5200		17.00	15.38			
			CH 44	5220		17.00	15.32			
			CH 48	5240		17.00	15.21			
			CH 52	5260		17.00	15.01			
			CH 56	5280		17.00	14.85			
			CH 60	5300		17.00	14.72			
			CH 64	5320		11.50	9.74			
			CH 100	5500		11.50	10.36			
			CH 104	5520		17.00	15.76			
			CH 108	5540		17.00	15.70			
			CH 112	5560		17.00	15.68			
			CH 116	5580		17.00	15.57			
			CH 120	5600		17.00	15.62			
			CH 124	5620		17.00	15.67			
			CH 128	5640		17.00	15.80			
			CH 132	5660		17.00	15.74			
			CH 136	5680		17.00	15.79			
			CH 140	5700		10.50	9.50			
			CH 149	5745		11.50	9.64			
			CH 153	5765		11.50	9.57			
			CH 157	5785		11.50	9.48			
			CH 161	5805		11.50	9.63			
			CH 165	5825		11.50	9.75			
			Ant6(core1)			CH 36	5180	MCS0	11.5	9.74
						CH 40	5200		16.5	14.46
						CH 44	5220		16.5	14.32
CH 48	5240	16.5			14.17					
CH 52	5260	16.5			14.09					
CH 56	5280	16.5			14.15					
CH 60	5300	16.5			14.20					
CH 64	5320	11.5			9.97					
CH 100	5500	11.5			9.30					
CH 104	5520	16.5			14.30					
CH 108	5540	16.5			14.38					
CH 112	5560	16.5			14.53					
CH 116	5580	16.5			14.61					
CH 120	5600	16.5	14.75							
CH 124	5620	16.5	14.74							
CH 128	5640	16.5	14.81							
CH 132	5660	16.5	14.94							

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
		CH 136	5680		16.5	14.90
		CH 140	5700		10.5	9.04
		CH 149	5745		11.5	9.15
		CH 153	5765		11.5	9.14
		CH 157	5785		11.5	9.29
		CH 161	5805		11.5	9.49
		CH 165	5825		11.5	9.74
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11n SISO 40M	Ant5(core0)	CH 38	5190	MCS0	9.50	8.51
		CH 46	5230		16.50	14.81
		CH 54	5270		16.50	14.37
		CH 62	5310		9.50	7.75
		CH 102	5510		9.50	8.53
		CH 110	5550		16.50	14.84
		CH 118	5590		16.50	14.64
		CH 126	5630		16.50	14.81
		CH 134	5670		9.50	8.54
		CH 151	5755		11.50	9.83
	CH 159	5795	11.50	9.85		
	Ant6(core1)	CH 38	5190	MCS0	9.50	8.32
		CH 46	5230		16.00	14.25
		CH 54	5270		16.00	14.04
		CH 62	5310		9.50	8.50
		CH 102	5510		9.50	7.42
		CH 110	5550		16.00	13.80
		CH 118	5590		16.00	14.03
		CH 126	5630		16.00	14.21
		CH 134	5670		9.50	7.63
CH 151		5755	11.50		9.29	
CH 159	5795	11.50	9.63			
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac SISO 20M	Ant5(core0)	CH 36	5180	MCS0	11.50	10.02
		CH 40	5200		17.00	15.26
		CH 44	5220		17.00	15.25
		CH 48	5240		17.00	15.12
		CH 52	5260		17.00	14.89
		CH 56	5280		17.00	14.74
		CH 60	5300		17.00	14.64
		CH 64	5320		11.50	9.66
		CH 100	5500		11.50	10.32
		CH 104	5520		17.00	15.63
		CH 108	5540		17.00	15.56
		CH 112	5560		17.00	15.52
		CH 116	5580		17.00	15.38

		CH 120	5600		17.00	15.47
		CH 124	5620		17.00	15.49
		CH 128	5640		17.00	15.53
		CH 132	5660		17.00	15.39
		CH 136	5680		17.00	15.42
		CH 140	5700		10.50	9.26
		CH 149	5745		11.50	9.56
		CH 153	5765		11.50	9.55
		CH 157	5785		11.50	9.58
		CH 161	5805		11.50	9.53
		CH 165	5825		11.50	9.62
		Ant6(core1)	CH 36		5180	MCS0
	CH 40		5200	16.50	14.52	
	CH 44		5220	16.50	14.37	
	CH 48		5240	16.50	14.23	
	CH 52		5260	16.50	14.13	
	CH 56		5280	16.50	14.10	
	CH 60		5300	16.50	14.11	
	CH 64		5320	11.50	9.99	
	CH 100		5500	11.50	9.76	
	CH 104		5520	16.50	14.73	
	CH 108		5540	16.50	14.81	
	CH 112		5560	16.50	14.91	
	CH 116		5580	16.50	15.04	
	CH 120		5600	16.50	15.14	
	CH 124		5620	16.50	15.19	
	CH 128		5640	16.50	15.24	
	CH 132		5660	16.50	15.32	
	CH 136		5680	16.50	15.28	
	CH 140		5700	10.50	9.29	
	CH 149		5745	11.50	8.93	
	CH 153	5765	11.50	8.99		
CH 157	5785	11.50	9.06			
CH 161	5805	11.50	9.29			
CH 165	5825	11.50	9.52			
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac SISO 40M	Ant5(core0)	CH 38	5190	MCS0	9.50	8.20
		CH 46	5230		16.50	14.56
		CH 54	5270		16.50	14.27
		CH 62	5310		9.50	7.78
		CH 102	5510		9.50	8.21
		CH 110	5550		16.50	14.61
		CH 118	5590		16.50	14.54
		CH 126	5630		16.50	14.65
		CH 134	5670		9.50	8.15



		CH 151	5755	MCS0	11.50	9.60
		CH 159	5795		11.50	9.73
	Ant6(core1)	CH 38	5190		9.50	8.33
		CH 46	5230		16.00	14.18
		CH 54	5270		16.00	13.90
		CH 62	5310		9.50	8.35
		CH 102	5510		9.50	7.67
		CH 110	5550		16.00	14.08
		CH 118	5590		16.00	14.29
		CH 126	5630		16.00	14.46
		CH 134	5670		9.50	7.93
		CH 151	5755		11.50	9.07
		CH 159	5795		11.50	9.38
		Mode	Antenna		Channel	Frequency (MHz)
802.11ac SISO 80M	Ant5(core0)	CH 42	5210	MCS0	9.50	7.99
		CH 58	5290		9.50	7.26
		CH 106	5530		9.50	8.05
		CH 122	5610		9.50	7.93
		CH 155	5775		11.50	9.62
	Ant6(core1)	CH 42	5210	MCS0	9.50	8.12
		CH 58	5290		9.50	7.91
		CH 106	5530		9.50	8.04
		CH 122	5610		9.50	8.49
		CH 155	5775		11.50	9.47
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac SISO 160M	Ant5(core0)	CH 50	5250	MCS0	9.00	7.64
		CH 114	5570		9.00	7.68
	Ant6(core1)	CH 50	5250	MCS0	8.50	6.84
		CH 114	5570		8.50	6.95

Table 128: Conducted power measurement results of WiFi 5G SISO(MCC of FCC countries,Full Power)

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11a CDD	Ant5(core0)	CH 36	5180	6M	11.50	10.12
		CH 40	5200		17.00	15.32
		CH 44	5220		17.00	15.55
		CH 48	5240		17.00	15.47
		CH 52	5260		17.00	15.26
		CH 56	5280		17.00	15.09
		CH 60	5300		17.00	15.05
		CH 64	5320		11.50	9.93
		CH 100	5500		11.50	10.83
		CH 104	5520		17.00	16.02
		CH 108	5540		17.00	15.74
		CH 112	5560		17.00	15.66
		CH 116	5580		17.00	15.78
		CH 120	5600		17.00	16.01
		CH 124	5620		17.00	16.07
		CH 128	5640		17.00	16.03
		CH 132	5660		17.00	15.86
		CH 136	5680		17.00	15.87
		CH 140	5700		10.50	9.71
		CH 149	5745		11.50	9.98
	CH 153	5765	11.50		9.93	
	CH 157	5785	11.50		9.82	
	CH 161	5805	11.50		9.88	
	CH 165	5825	11.50		9.93	
	Ant6(core1)	CH 36	5180		11.50	9.42
		CH 40	5200		16.50	14.72
		CH 44	5220		16.50	14.65
		CH 48	5240		16.50	14.50
		CH 52	5260		16.50	14.40
		CH 56	5280		16.50	14.38
		CH 60	5300		16.50	14.40
		CH 64	5320		11.50	9.78
		CH 100	5500		11.50	9.80
		CH 104	5520		16.50	15.34
		CH 108	5540		16.50	15.34
CH 112		5560	16.50	15.42		
CH 116		5580	16.50	15.36		
CH 120		5600	16.50	15.44		
CH 124		5620	16.50	15.50		
CH 128	5640	16.50	15.57			
CH 132	5660	16.50	15.68			
CH 136	5680	16.50	15.73			
CH 140	5700	10.50	9.47			
CH 149	5745	11.50	9.24			

		CH 153	5765	6M	11.50	9.32
		CH 157	5785		11.50	9.42
		CH 161	5805		11.50	9.48
		CH 165	5825		11.50	9.59
	Sum	CH 36	5180		14.5	12.79
		CH 40	5200		19.8	18.04
		CH 44	5220		19.8	18.13
		CH 48	5240		19.8	18.02
		CH 52	5260		19.8	17.86
		CH 56	5280		19.8	17.76
		CH 60	5300		19.8	17.75
		CH 64	5320		14.5	12.87
		CH 100	5500		14.5	13.36
		CH 104	5520		19.8	18.70
		CH 108	5540		19.8	18.55
		CH 112	5560		19.8	18.55
		CH 116	5580		19.8	18.59
		CH 120	5600		19.8	18.74
		CH 124	5620		19.8	18.80
		CH 128	5640		19.8	18.82
		CH 132	5660		19.8	18.78
		CH 136	5680		19.8	18.81
		CH 140	5700		13.5	12.60
		CH 149	5745		14.5	12.64
		CH 153	5765		14.5	12.65
		CH 157	5785		14.5	12.63
		CH 161	5805		14.5	12.69
		CH 165	5825		14.5	12.77
802.11n MIMO 20M	Ant5(core0)	CH 36	5180	MCS0	11.50	10.27
		CH 40	5200		17.00	15.47
		CH 44	5220		17.00	15.43
		CH 48	5240		17.00	15.37
		CH 52	5260		17.00	15.20
		CH 56	5280		17.00	15.05
		CH 60	5300		17.00	14.96
		CH 64	5320		11.50	9.72
		CH 100	5500		11.50	10.69
		CH 104	5520		17.00	15.89
		CH 108	5540		17.00	15.62
		CH 112	5560		17.00	15.56
		CH 116	5580		17.00	15.68
		CH 120	5600		17.00	15.87
		CH 124	5620		17.00	15.92
		CH 128	5640		17.00	15.92
CH 132	5660	17.00	15.69			
CH 136	5680	17.00	15.74			

		CH 140	5700		10.50	9.48	
		CH 149	5745		11.50	9.76	
		CH 153	5765		11.50	9.75	
		CH 157	5785		11.50	9.92	
		CH 161	5805		11.50	9.98	
		CH 165	5825		11.50	9.87	
	Ant6(core1)	CH 36	5180		11.5	9.48	
		CH 40	5200		16.5	14.72	
		CH 44	5220		16.5	14.58	
		CH 48	5240		16.5	14.41	
		CH 52	5260		16.5	14.37	
		CH 56	5280		16.5	14.31	
		CH 60	5300		16.5	14.33	
		CH 64	5320		11.5	9.63	
		CH 100	5500		11.5	9.68	
		CH 104	5520		16.5	15.29	
		CH 108	5540		16.5	15.29	
		CH 112	5560		16.5	15.36	
		CH 116	5580		16.5	15.37	
		CH 120	5600		16.5	15.34	
		CH 124	5620		16.5	15.44	
		CH 128	5640		16.5	15.51	
		CH 132	5660		16.5	15.65	
		CH 136	5680		16.5	15.70	
		CH 140	5700		10.5	9.33	
		CH 149	5745		11.5	9.15	
		CH 153	5765		11.5	9.19	
		CH 157	5785		11.5	9.30	
		CH 161	5805		11.5	9.43	
		CH 165	5825		11.5	9.51	
	Sum	CH 36	5180		MCS0	14.5	12.90
		CH 40	5200			19.8	18.12
		CH 44	5220			19.8	18.04
CH 48		5240	19.8	17.93			
CH 52		5260	19.8	17.82			
CH 56		5280	19.8	17.71			
CH 60		5300	19.8	17.67			
CH 64		5320	14.5	12.69			
CH 100		5500	14.5	13.22			
CH 104		5520	19.8	18.61			
CH 108		5540	19.8	18.47			
CH 112		5560	19.8	18.47			
CH 116		5580	19.8	18.54			
CH 120		5600	19.8	18.62			
CH 124	5620	19.8	18.70				
CH 128	5640	19.8	18.73				

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
		CH 132	5660		19.8	18.68
		CH 136	5680		19.8	18.73
		CH 140	5700		13.5	12.42
		CH 149	5745		14.5	12.48
		CH 153	5765		14.5	12.49
		CH 157	5785		14.5	12.63
		CH 161	5805		14.5	12.72
		CH 165	5825		14.5	12.70
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11n MIMO 40M	Ant5(core0)	CH 38	5190	MCS0	9.50	8.24
		CH 46	5230		16.50	14.84
		CH 54	5270		16.50	14.41
		CH 62	5310		9.50	7.76
		CH 102	5510		9.50	8.72
		CH 110	5550		16.50	14.68
		CH 118	5590		16.50	14.85
		CH 126	5630		16.50	15.02
		CH 134	5670		9.50	8.31
		CH 151	5755		11.50	9.91
		CH 159	5795		11.50	9.81
	Ant6(core1)	CH 38	5190		9.50	7.95
		CH 46	5230		16.00	14.29
		CH 54	5270		16.00	14.04
		CH 62	5310		9.50	7.84
		CH 102	5510		9.50	7.74
		CH 110	5550		16.00	14.51
		CH 118	5590		16.00	14.52
		CH 126	5630		16.00	14.51
		CH 134	5670		9.50	7.95
		CH 151	5755		11.50	9.25
		CH 159	5795		11.50	9.43
	Sum	CH 38	5190		12.5	11.11
		CH 46	5230		19.3	17.58
		CH 54	5270		19.3	17.24
		CH 62	5310		12.5	10.81
		CH 102	5510		12.5	11.27
		CH 110	5550		19.3	17.61
		CH 118	5590		19.3	17.70
		CH 126	5630		19.3	17.78
		CH 134	5670		12.5	11.14
		CH 151	5755		14.5	12.60
CH 159	5795	14.5	12.63			
Mode	Antenna	Channel	Frequency(MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
	Ant5(core0)	CH 36	5180		11.50	9.63
		CH 40	5200		17.00	15.52

802.11ac MIMO 20M	MCS0	CH 44	5220	17.00	15.42
		CH 48	5240	17.00	15.33
		CH 52	5260	17.00	15.08
		CH 56	5280	17.00	15.02
		CH 60	5300	17.00	15.06
		CH 64	5320	11.50	9.65
		CH 100	5500	11.50	10.28
		CH 104	5520	17.00	15.90
		CH 108	5540	17.00	15.65
		CH 112	5560	17.00	15.60
		CH 116	5580	17.00	15.94
		CH 120	5600	17.00	15.89
		CH 124	5620	17.00	15.91
		CH 128	5640	17.00	15.88
		CH 132	5660	17.00	15.73
		CH 136	5680	17.00	15.69
		CH 140	5700	10.50	9.54
		CH 149	5745	11.50	9.74
		CH 153	5765	11.50	9.87
		CH 157	5785	11.50	9.84
	CH 161	5805	11.50	9.47	
	CH 165	5825	11.50	9.61	
	Ant6(core1)	CH 36	5180	11.50	9.41
		CH 40	5200	16.50	14.60
		CH 44	5220	16.50	14.48
		CH 48	5240	16.50	14.35
		CH 52	5260	16.50	14.27
		CH 56	5280	16.50	14.24
		CH 60	5300	16.50	14.26
		CH 64	5320	11.50	9.56
		CH 100	5500	11.50	9.62
		CH 104	5520	16.50	15.18
		CH 108	5540	16.50	15.23
		CH 112	5560	16.50	15.25
		CH 116	5580	16.50	15.28
		CH 120	5600	16.50	15.33
CH 124		5620	16.50	15.37	
CH 128		5640	16.50	15.55	
CH 132	5660	16.50	15.58		
CH 136	5680	16.50	15.61		
CH 140	5700	10.50	9.35		
CH 149	5745	11.50	9.07		
CH 153	5765	11.50	9.13		
CH 157	5785	11.50	9.28		
CH 161	5805	11.50	9.38		
CH 165	5825	11.50	9.45		

	Sum	CH 36	5180	MCS0	14.5	12.53
		CH 40	5200		19.8	18.09
		CH 44	5220		19.8	17.99
		CH 48	5240		19.8	17.88
		CH 52	5260		19.8	17.70
		CH 56	5280		19.8	17.66
		CH 60	5300		19.8	17.69
		CH 64	5320		14.5	12.62
		CH 100	5500		14.5	12.97
		CH 104	5520		19.8	18.57
		CH 108	5540		19.8	18.46
		CH 112	5560		19.8	18.44
		CH 116	5580		19.8	18.63
		CH 120	5600		19.8	18.63
		CH 124	5620		19.8	18.66
		CH 128	5640		19.8	18.73
		CH 132	5660		19.8	18.67
		CH 136	5680		19.8	18.66
		CH 140	5700		13.5	12.46
		CH 149	5745		14.5	12.43
		CH 153	5765		14.5	12.53
CH 157	5785	14.5	12.58			
CH 161	5805	14.5	12.44			
CH 165	5825	14.5	12.54			
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac MIMO 40M	Ant5(core0)	CH 38	5190	MCS0	9.50	8.43
		CH 46	5230		16.50	14.78
		CH 54	5270		16.50	14.49
		CH 62	5310		9.50	7.91
		CH 102	5510		9.50	8.56
		CH 110	5550		16.50	14.66
		CH 118	5590		16.50	14.85
		CH 126	5630		16.50	14.97
		CH 134	5670		9.50	8.35
		CH 151	5755		11.50	9.61
	Ant6(core1)	CH 159	5795		11.50	9.63
		CH 38	5190		9.50	8.01
		CH 46	5230		16.00	14.23
		CH 54	5270		16.00	14.05
		CH 62	5310		9.50	7.99
		CH 102	5510		9.50	7.67
		CH 110	5550		16.00	14.45
		CH 118	5590		16.00	14.47
		CH 126	5630		16.00	14.60
		CH 134	5670		9.50	7.89
CH 151	5755	11.50	9.18			

	Sum	CH 159	5795	MCS0	11.50	9.36
		CH 38	5190		12.5	11.24
		CH 46	5230		19.3	17.52
		CH 54	5270		19.3	17.29
		CH 62	5310		12.5	10.96
		CH 102	5510		12.5	11.15
		CH 110	5550		19.3	17.57
		CH 118	5590		19.3	17.67
		CH 126	5630		19.3	17.80
		CH 134	5670		12.5	11.14
		CH 151	5755		14.5	12.41
		CH 159	5795		14.5	12.51
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac MIMO 80M	Ant5(core0)	CH 42	5210	MCS0	9.50	7.83
		CH 58	5290		9.50	7.62
		CH 106	5530		9.50	8.16
		CH 122	5610		9.50	8.08
		CH 155	5775		11.50	9.74
	Ant6(core1)	CH 42	5210		9.50	8.10
		CH 58	5290		9.50	7.75
		CH 106	5530		9.50	7.71
		CH 122	5610		9.50	8.26
		CH 155	5775		11.50	8.76
	Sum	CH 42	5210		12.5	10.98
		CH 58	5290		12.5	10.70
		CH 106	5530		12.5	10.95
		CH 122	5610		12.5	11.18
		CH 155	5775		14.5	12.29
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac MIMO 160	Ant5(core0)	CH 50	5250	MCS0	9.00	7.76
		CH 114	5570		9.00	7.99
	Ant6(core1)	CH 50	5250		8.50	7.22
		CH 114	5570		8.50	7.62
	Sum	CH 50	5250		11.8	10.51
		CH 114	5570		11.8	10.82

Table 129: Conducted power measurement results of WiFi 5G CDD/MIMO(MCC of FCC countries,Full Power)



Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11a SISO	Ant5(core0)	CH 36	5180	6M	11.50	10.04
		CH 40	5200		13.50	12.03
		CH 52	5260		13.50	11.90
		CH 60	5300		13.50	12.07
		CH 64	5320		11.50	9.72
		CH 100	5500		11.50	10.51
		CH 104	5520		13.50	12.55
		CH 120	5600		13.50	12.42
		CH 136	5680		13.50	13.15
		CH 140	5700		10.50	9.57
		CH 149	5745		11.50	9.68
		CH 157	5785		11.50	9.94
		CH 165	5825		11.50	10.22
		Ant6(core1)	CH 36		5180	6M
	CH 40		5200	13.50	11.58	
	CH 52		5260	13.50	12.06	
	CH 60		5300	13.50	12.21	
	CH 64		5320	11.50	9.85	
	CH 100		5500	11.50	9.83	
	CH 104		5520	13.50	11.64	
	CH 120		5600	13.50	11.77	
	CH 136		5680	13.50	11.96	
	CH 140		5700	10.50	9.22	
	CH 149		5745	11.50	9.67	
	CH 157		5785	11.50	9.80	
	CH 165	5825	11.50	9.86		
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11n SISO 20M	Ant5(core0)	CH 36	5180	MCS0	11.50	10.06
		CH 40	5200		13.50	11.42
		CH 52	5260		13.50	10.92
		CH 60	5300		13.50	11.00
		CH 64	5320		11.50	9.44
		CH 100	5500		11.50	10.41
		CH 104	5520		13.50	11.91
		CH 120	5600		13.50	11.95
		CH 136	5680		13.50	12.61
		CH 140	5700		10.50	9.48
		CH 149	5745		11.50	9.63
		CH 157	5785		11.50	9.91
		CH 165	5825		11.50	10.19
	Ant6(core1)	CH 36	5180	MCS0	11.50	9.72
CH 40		5200	13.50		11.05	

		CH 52	5260		13.50	10.97
		CH 60	5300		13.50	11.10
		CH 64	5320		11.50	9.70
		CH 100	5500		11.50	9.61
		CH 104	5520		13.50	11.05
		CH 120	5600		13.50	11.13
		CH 136	5680		13.50	11.48
		CH 140	5700		10.50	9.20
		CH 149	5745		11.50	9.49
		CH 157	5785		11.50	9.65
		CH 165	5825		11.50	9.73
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11n SISO 40M	Ant5(core0)	CH 38	5190	MCS0	9.50	8.38
		CH 46	5230		13.50	11.44
		CH 54	5270		13.50	11.20
		CH 62	5310		9.50	7.77
		CH 102	5510		9.50	8.51
		CH 110	5550		13.50	11.83
		CH 118	5590		13.50	11.78
		CH 126	5630		13.50	11.75
		CH 134	5670		9.50	8.47
		CH 151	5755		11.50	9.78
		CH 159	5795		11.50	10.08
	Ant6(core1)	CH 38	5190	MCS0	9.50	8.38
		CH 46	5230		13.50	11.53
		CH 54	5270		13.50	11.56
		CH 62	5310		9.50	8.26
		CH 102	5510		9.50	7.43
		CH 110	5550		13.50	11.75
		CH 118	5590		13.50	11.78
		CH 126	5630		13.50	11.83
		CH 134	5670		9.50	7.68
		CH 151	5755		11.50	9.69
		CH 159	5795		11.50	9.86
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac SISO 20M	Ant5(core0)	CH 36	5180	MCS0	11.50	9.97
		CH 40	5200		13.50	11.50
		CH 52	5260		13.50	11.08
		CH 60	5300		13.50	11.11
		CH 64	5320		11.50	9.54
		CH 100	5500		11.50	10.41
		CH 104	5520		13.50	11.87
		CH 120	5600		13.50	11.88

		CH 136	5680	MCS0	13.50	12.68
		CH 140	5700		10.50	9.56
		CH 149	5745		11.50	9.73
		CH 157	5785		11.50	9.77
		CH 165	5825		11.50	10.09
	Ant6(core1)	CH 36	5180		11.50	9.75
		CH 40	5200		13.50	11.05
		CH 52	5260		13.50	11.06
		CH 60	5300		13.50	11.05
		CH 64	5320		11.50	9.68
		CH 100	5500		11.50	9.74
		CH 104	5520		13.50	11.11
		CH 120	5600		13.50	11.15
		CH 136	5680		13.50	11.50
		CH 140	5700		10.50	9.26
		CH 149	5745		11.50	9.59
		CH 157	5785		11.50	9.70
		CH 165	5825		11.50	9.82
		Mode	Antenna		Channel	Frequency (MHz)
802.11ac SISO 40M	Ant5(core0)	CH 38	5190	MCS0	9.50	8.24
		CH 46	5230		13.50	11.49
		CH 54	5270		13.50	11.06
		CH 62	5310		9.50	7.45
		CH 102	5510		9.50	8.30
		CH 110	5550		13.50	11.72
		CH 118	5590		13.50	11.73
		CH 126	5630		13.50	11.75
		CH 134	5670		9.50	8.47
		CH 151	5755		11.50	9.87
	Ant6(core1)	CH 159	5795		11.50	10.00
		CH 38	5190		9.50	8.22
		CH 46	5230		13.50	11.51
		CH 54	5270		13.50	11.58
		CH 62	5310		9.50	8.24
		CH 102	5510		9.50	7.62
		CH 110	5550		13.50	11.79
		CH 118	5590		13.50	11.77
		CH 126	5630		13.50	11.82
		CH 134	5670		9.50	7.76
CH 151	5755	11.50	9.73			
CH 159	5795	11.50	9.87			
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
	Ant5(core0)	CH 42	5210	MCS0	9.50	8.03

802.11ac SISO 80M		CH 58	5290		9.50	7.26
		CH 106	5530		9.50	8.45
		CH 122	5610		9.50	8.48
		CH 155	5775		11.50	9.99
	Ant6(core1)	CH 42	5210	MCS0	9.50	8.16
		CH 58	5290		9.50	8.35
		CH 106	5530		9.50	7.80
		CH 122	5610		9.50	7.87
		CH 155	5775		11.50	9.92
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm) For Data Rates
802.11ac SISO 160M	Ant5(core0)	CH 50	5250	MCS0	9.00	7.25
		CH 114	5570		9.00	8.15
	Ant6(core1)	CH 50	5250	MCS0	9.50	6.84
		CH 114	5570		9.50	6.54

Table 130: Conducted power measurement results of WiFi 5G SISO(MCC of CE countries,Receiver ON)

Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	
802.11a CDD 20M	Ant5(core0)	CH 36	5180	6M	11.50	10.04	
		CH 40	5200		13.50	12.03	
		CH 52	5260		13.50	11.90	
		CH 60	5300		13.50	12.07	
		CH 64	5320		11.50	9.72	
		CH 100	5500		11.50	10.51	
		CH 104	5520		13.50	12.55	
		CH 120	5600		13.50	12.42	
		CH 136	5680		13.50	13.15	
		CH 140	5700		10.50	9.57	
		CH 149	5745		11.50	9.68	
		CH 157	5785		11.50	9.94	
	CH 165	5825	11.50		10.22		
	Ant6(core1)	CH 36	5180		11.50	9.77	
		CH 40	5200		13.50	11.58	
		CH 52	5260		13.50	12.06	
		CH 60	5300		13.50	12.21	
		CH 64	5320		11.50	9.85	
		CH 100	5500		11.50	9.83	
		CH 104	5520		13.50	11.64	
		CH 120	5600		13.50	11.77	
		CH 136	5680		13.50	11.96	
		CH 140	5700		10.50	9.22	
		CH 149	5745		11.50	9.67	
		CH 157	5785		11.50	9.80	
	CH 165	5825	11.50		9.86		
	Sum	CH 36	5180		6M	14.50	12.92
		CH 40	5200			16.50	14.82
		CH 52	5260			16.50	14.99
		CH 60	5300			16.50	15.15
		CH 64	5320			14.50	12.80
		CH 100	5500			14.50	13.19
		CH 104	5520			16.50	15.13
		CH 120	5600			16.50	15.12
		CH 136	5680			16.50	15.61
		CH 140	5700			13.50	12.41
CH 149		5745	14.50	12.69			
CH 157		5785	14.50	12.88			
CH 165	5825	14.50	13.05				
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)	
802.11n MIMO 20M	Ant5(core0)	CH 36	5180	MCS0	11.50	10.06	
		CH 40	5200		13.50	11.42	
		CH 52	5260		13.50	10.92	

		CH 60	5300		13.50	11.00	
		CH 64	5320		11.50	9.44	
		CH 100	5500		11.50	10.41	
		CH 104	5520		13.50	11.91	
		CH 120	5600		13.50	11.95	
		CH 136	5680		13.50	12.61	
		CH 140	5700		10.50	9.48	
		CH 149	5745		11.50	9.63	
		CH 157	5785		11.50	9.91	
		CH 165	5825		11.50	10.19	
	Ant6(core1)	CH 36	5180		11.50	9.72	
		CH 40	5200		13.50	11.05	
		CH 52	5260		13.50	10.97	
		CH 60	5300		13.50	11.10	
		CH 64	5320		11.50	9.70	
		CH 100	5500		11.50	9.61	
		CH 104	5520		13.50	11.05	
		CH 120	5600		13.50	11.13	
		CH 136	5680		13.50	11.48	
		CH 140	5700		10.50	9.20	
	Sum	CH 149	5745		11.50	9.49	
		CH 157	5785		11.50	9.65	
		CH 165	5825		11.50	9.73	
		CH 36	5180		14.50	12.90	
		CH 40	5200		16.50	14.25	
		CH 52	5260		16.50	13.96	
		CH 60	5300		16.50	14.06	
		CH 64	5320		14.50	12.58	
		CH 100	5500		14.50	13.04	
		CH 104	5520		16.50	14.51	
MCS0	CH 120	5600	16.50	14.57			
	CH 136	5680	16.50	15.09			
	CH 140	5700	13.50	12.35			
	CH 149	5745	14.50	12.57			
	CH 157	5785	14.50	12.79			
	CH 165	5825	14.50	12.98			
	Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
	802.11n MIMO 40M	Ant5(core0)	CH 38	5190	MCS0	9.50	8.38
			CH 46	5230		13.50	11.44
			CH 54	5270		13.50	11.20
CH 62			5310	9.50		7.77	
CH 102			5510	9.50		8.51	
CH 110			5550	13.50		11.83	
CH 118			5590	13.50		11.78	
CH 126			5630	13.50		11.75	
CH 134			5670	9.50		8.47	

		CH 151	5755		11.50	9.78
		CH 159	5795		11.50	10.08
	Ant6(core1)	CH 38	5190		9.50	8.38
		CH 46	5230		13.50	11.53
		CH 54	5270		13.50	11.56
		CH 62	5310		9.50	8.26
		CH 102	5510		9.50	7.43
		CH 110	5550		13.50	11.75
		CH 118	5590		13.50	11.78
		CH 126	5630		13.50	11.83
		CH 134	5670		9.50	7.68
		CH 151	5755		11.50	9.69
		CH 159	5795		11.50	9.86
		Sum	CH 38		5190	12.50
	CH 46		5230		16.50	14.50
	CH 54		5270		16.50	14.39
	CH 62		5310		12.50	11.03
	CH 102		5510		12.50	11.01
	CH 110		5550		16.50	14.80
	CH 118		5590		16.50	14.79
CH 126	5630		16.50	14.80		
CH 134	5670		12.50	11.10		
CH 151	5755		14.50	12.75		
CH 159	5795	14.50	12.98			
				MCS0		
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac MIMO 20M	Ant5(core0)	CH 36	5180		11.50	9.97
		CH 40	5200		13.50	11.50
		CH 52	5260		13.50	11.08
		CH 60	5300		13.50	11.11
		CH 64	5320		11.50	9.54
		CH 100	5500		11.50	10.41
		CH 104	5520		13.50	11.87
		CH 120	5600		13.50	11.88
		CH 136	5680		13.50	12.68
		CH 140	5700		10.50	9.56
		CH 149	5745		11.50	9.73
		CH 157	5785		11.50	9.77
	CH 165	5825	11.50		10.09	
	Ant6(core1)	CH 36	5180		11.50	9.75
		CH 40	5200		13.50	11.05
		CH 52	5260		13.50	11.06
		CH 60	5300		13.50	11.05
		CH 64	5320		11.50	9.68
		CH 100	5500		11.50	9.74
		CH 104	5520		13.50	11.11
CH 120		5600	13.50	11.15		

		CH 136	5680	MCS0	13.50	11.50	
		CH 140	5700		10.50	9.26	
		CH 149	5745		11.50	9.59	
		CH 157	5785		11.50	9.70	
		CH 165	5825		11.50	9.82	
	Sum	CH 36	5180		14.50	12.87	
		CH 40	5200		16.50	14.29	
		CH 52	5260		16.50	14.08	
		CH 60	5300		16.50	14.09	
		CH 64	5320		14.50	12.62	
		CH 100	5500		14.50	13.10	
		CH 104	5520		16.50	14.52	
		CH 120	5600		16.50	14.54	
		CH 136	5680		16.50	15.14	
		CH 140	5700		13.50	12.42	
		CH 149	5745		14.50	12.67	
		CH 157	5785		14.50	12.75	
		CH 165	5825		14.50	12.97	
		Mode	Antenna		Channel	Frequency (MHz)	Data Rate (Mbps)
802.11ac MIMO 40M	Ant5(core0)	CH 38	5190	MCS0	9.50	8.24	
		CH 46	5230		13.50	11.49	
		CH 54	5270		13.50	11.06	
		CH 62	5310		9.50	7.45	
		CH 102	5510		9.50	8.30	
		CH 110	5550		13.50	11.72	
		CH 118	5590		13.50	11.73	
		CH 126	5630		13.50	11.75	
		CH 134	5670		9.50	8.47	
		CH 151	5755		11.50	9.87	
		CH 159	5795		11.50	10.00	
	Ant6(core1)	CH 38	5190		9.50	8.22	
		CH 46	5230		13.50	11.51	
		CH 54	5270		13.50	11.58	
		CH 62	5310		9.50	8.24	
		CH 102	5510		9.50	7.62	
		CH 110	5550		13.50	11.79	
		CH 118	5590		13.50	11.77	
		CH 126	5630		13.50	11.82	
		CH 134	5670		9.50	7.76	
		CH 151	5755		11.50	9.73	
	CH 159	5795	11.50		9.87		
	Sum	CH 38	5190		MCS0	12.50	11.24
		CH 46	5230			16.50	14.51
		CH 54	5270			16.50	14.34
		CH 62	5310			12.50	10.87



		CH 102	5510		12.50	10.98
		CH 110	5550		16.50	14.77
		CH 118	5590		16.50	14.76
		CH 126	5630		16.50	14.80
		CH 134	5670		12.50	11.14
		CH 151	5755		14.50	12.81
		CH 159	5795		14.50	12.95
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac MIMO 80M	Ant5(core0)	CH 42	5210	MCS0	9.50	8.03
		CH 58	5290		9.50	7.26
		CH 106	5530		9.50	8.45
		CH 122	5610		9.50	8.48
		CH 155	5775		11.50	9.99
	Ant6(core1)	CH 42	5210		9.50	8.16
		CH 58	5290		9.50	8.35
		CH 106	5530		9.50	7.80
		CH 122	5610		9.50	7.87
		CH 155	5775		11.50	9.92
	Sum	CH 42	5210	MCS0	12.50	11.11
		CH 58	5290		12.50	10.85
		CH 106	5530		12.50	11.15
		CH 122	5610		12.50	11.20
		CH 155	5775		14.50	12.97
Mode	Antenna	Channel	Frequency (MHz)	Data Rate (Mbps)	Tune-up	Average Power (dBm)
802.11ac MIMO 160M	Ant5(core0)	CH 50	5250	MCS0	9.00	7.25
		CH 114	5570		9.00	8.15
	Ant6(core1)	CH 50	5250		9.50	6.84
		CH 114	5570		9.50	6.54
	Sum	CH 50	5250	MCS0	11.80	10.06
		CH 114	5570		11.80	10.43

Table 131: Conducted power measurement results of WiFi 5G CDD/MIMO(MCC of CE countries,Receiver ON)

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.

### 7.1.35 Conducted power measurements of BT

The output power of BT antenna is as the following:

BT	Tune-up	Average Conducted Power (dBm)		
	Max.	0CH	5CH	10CH
DH5	17.00	15.11	15.48	15.88
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	11CH	22CH	32CH
DH5	17.01	<b>16.07</b>	<b>15.33</b>	<b>15.65</b>
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	0CH	16CH	32CH
2-DH5	15.50	13.00	13.73	13.04
3-DH5	15.50	13.02	13.72	13.05
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	33CH	54CH	75CH
DH5	16.50	15.04	15.14	14.65
2-DH5	14.50	13.13	13.26	12.80
3-DH5	14.50	13.13	13.27	12.79
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	76CH	77CH	78CH
DH5	14.50	14.22	13.76	13.25
2-DH5	12.50	12.40	11.95	11.44
3-DH5	12.50	12.40	11.96	11.44

Table 132: Conducted power measurement results of BT(Power level A)

BT	Tune-up	Average Conducted Power (dBm)		
	Max.	0CH	5CH	10CH
DH5	9.50	8.02	8.35	8.46
2-DH5	7.50	6.06	6.37	6.44
3-DH5	7.50	6.06	6.37	6.45
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	11CH	39CH	67CH
DH5	11.00	<b>9.17</b>	<b>9.71</b>	<b>9.04</b>
2-DH5	9.50	6.57	7.83	6.74
3-DH5	9.50	6.57	7.83	6.75
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	68CH	73CH	78CH
DH5	9.50	8.57	9.21	8.45
2-DH5	7.50	6.89	7.29	6.52
3-DH5	7.50	6.89	7.29	6.53

Table 133: Conducted power measurement results of BT(Power level B)

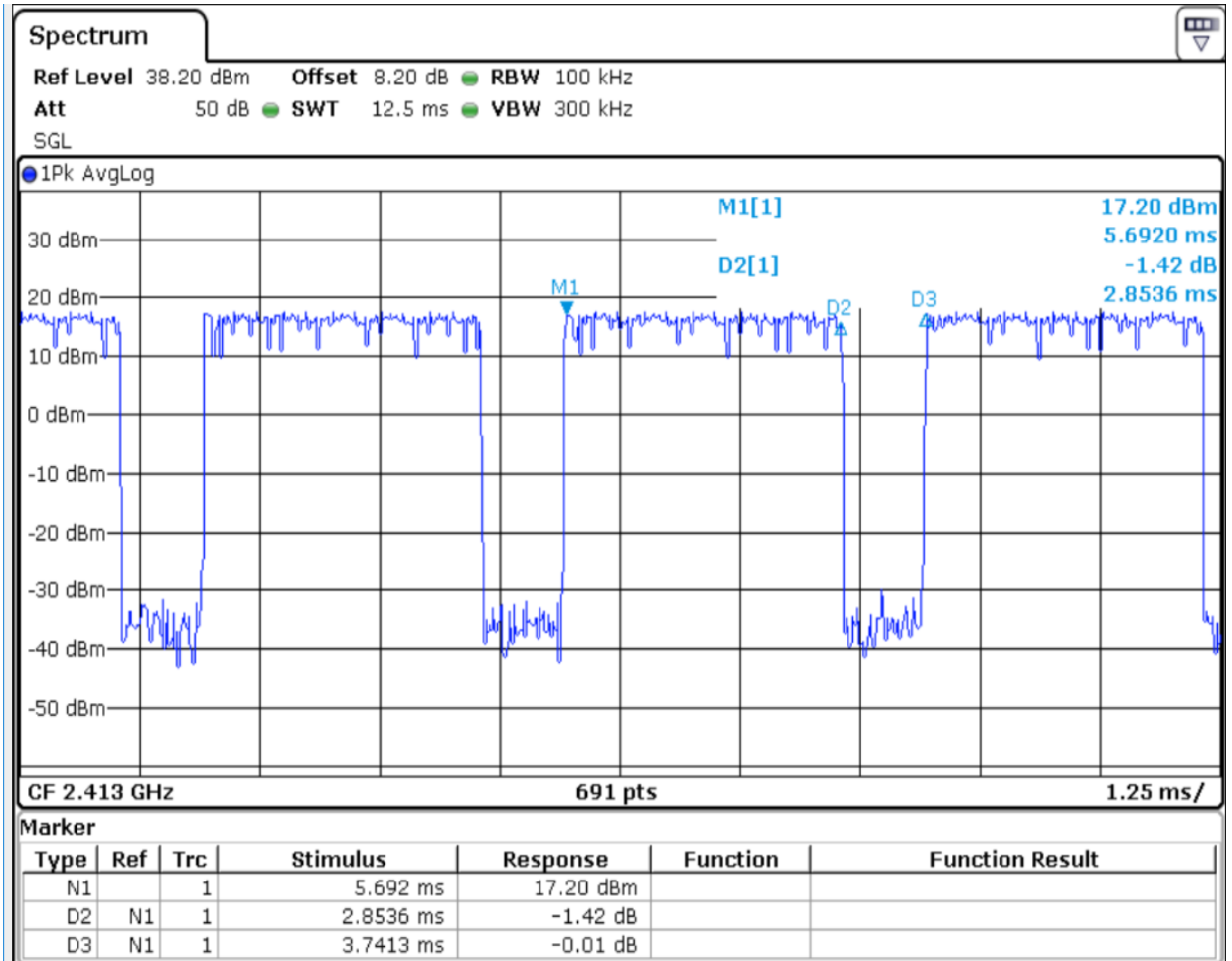
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	0CH	3CH	5CH
BLE	8.50	6.73	6.90	7.02
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	6CH	19CH	31CH
BLE	9.50	7.58	7.86	7.26
BT	Tune-up	Average Conducted Power (dBm)		
	Max.	32CH	36CH	39CH
BLE	8.50	6.82	7.32	6.98

Table 134: Conducted power measurement results of BT BLE(Power level B).

Note:

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

Figure: Bluetooth Transmission Plot



So the actual bluetooth duty cycle is calculated as below:

$$\text{Dutycycle} = \text{pules} \frac{\text{width}}{\text{period}} * 100\% = \frac{2.8536\text{ms}}{3.7413\text{ms}} * 100\% = 76\%$$

## 7.2 SAR measurement Results

### General Notes:

- 1) Per KDB447498 D01, all SAR measurement results are scaled to the maximum tune-up tolerance limit to demonstrate SAR compliance.
- 2) Per KDB447498 D01, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:
  - $\leq 0.8\text{W/kg}$  for 1-g or  $2.0\text{W/kg}$  for 10-g respectively, when the transmission band is  $\leq 100\text{MHz}$ .
  - $\leq 0.6\text{ W/kg}$  or  $1.5\text{ W/kg}$ , for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.
  - $\leq 0.4\text{ W/kg}$  or  $1.0\text{ W/kg}$ , for 1-g or 10-g respectively, when the transmission band is  $\geq 200\text{ MHz}$ .When the maximum output power variation across the required test channels is  $> \frac{1}{2}\text{ dB}$ , instead of the middle channel, the highest output power channel must be used.
- 3) Per KDB865664 D01, for each frequency band, repeated SAR measurement is required only when the measured SAR is  $\geq 0.8\text{W/kg}$ ; if the deviation among the repeated measurement is  $\leq 20\%$ , and the measured SAR  $< 1.45\text{W/kg}$ , only one repeated measurement is required.
- 4) Per KDB941225 D06, the DUT Dimension is bigger than 9 cm x 5 cm, so 10mm is chosen as the test separation distance for Hotspot mode. When the antenna-to-edge distance is greater than 2.5cm, such position does not need to be tested.
- 5) Per KDB648474 D04, SAR is evaluated without a headset connected to the device. When the standalone reported body-worn SAR is  $\leq 1.2\text{ W/kg}$ , no additional SAR evaluations using a headset are required.
- 6) Per KDB865664 D02, SAR plot is only required for the highest measured SAR in each exposure configuration, wireless mode and frequency band combination; Plots are also required when the measured SAR is  $> 1.5\text{ W/kg}$ , or  $> 7.0\text{ W/kg}$  for occupational exposure. The published RF exposure KDB procedures may require additional plots; for example, to support SAR to peak location separation ratio test exclusion and/or volume scan post-processing (Refer to appendix B for details).
- 7) Per KDB648474 D04, Body-worn accessories that do not contain metallic or conductive components is tested according to worst-case exposure configurations, typically according to the smallest test separation distance required for the group of body-worn accessories with similar operating and exposure characteristics.
- 8) Per KDB648474 D04, Phones with built-in NFC functions do not require separate SAR testing and can generally be tested according to the SAR measurement procedures normally required for the phone. Influences of the hardware introduced by the built-in NFC functions are inherently considered through testing of the other transmitters that require SAR evaluation.
- 9) Per KDB648474 D04, a handset must be tested according to all required SAR test procedures, without the after-market accessory (additional batteries, battery cover and sleeve, etc.), to demonstrate compliance. For handsets with additional batteries, NFC and wireless charging battery covers or similar accessory (sleeve carrier, etc.), the highest *reported* SAR for each wireless technology (1xRTT, EVDO, WCDMA, GSM, Wi-Fi, etc.), frequency band, operating mode (different modes/configurations within each wireless technology) and applicable exposure condition (head, body-worn accessory, hotspot mode, etc.) without the accessory must be repeated with the specific accessory attached. In addition, for test cases where the measured SAR for a handset without the accessory is greater than  $1.2\text{ W/kg}$ , these tests should be repeated with the additional batteries, NFC and wireless charging battery covers or similar accessory.

**GSM Notes:**

- 1) Per KDB941225 D01, SAR test reduction for GPRS and EDGE modes is determined by the source-based time-averaged output power specified for production units, including tune-up tolerance. The data mode with highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions. For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested.
- 2) Per KDB648474 D04, the device does not support DTM function. Body-worn accessory testing is typically associated with voice operations. Therefore, GSM voice was evaluated for body-worn SAR.

### UMTS Notes:

1) Per KDB941225 D01, When the maximum output power and tune-up tolerance specified for production units in a Second mode is  $\leq \frac{1}{4}$  dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of Second to primary mode and the adjusted SAR is  $\leq 1.2$  W/kg, SAR measurement is not required for the Second mode.

### LTE Notes:

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

2) A-MPR was disabled for all SAR test by setting NS\_01 on the base station simulator. SAR tests were performed with the same number of RB and RB offsets transmitting on all TTI frames (maximum TTI)

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

### WiFi Notes:

Per KDB248227D01:

1) When reported SAR for the initial test position is  $\leq 0.4$  W/kg, no additional testing for the remaining test position is required. Otherwise, SAR is evaluated at the subsequent highest peak SAR position until the reported SAR result is  $\leq 0.8$  W/kg or all test position are measured. For all positions/configurations tested using the initial test position and subsequent test positions, when the *reported* SAR is  $> 0.8$  W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the *reported* SAR is  $\leq 1.2$  W/kg or all required channels are tested..

2) When the DSSS *reported* SAR of the highest measured maximum output power channel for the exposure configuration is  $\leq 0.8$  W/kg, no further SAR testing is required for 802.11b DSSS in that exposure configuration.

3) When the highest *reported* SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is  $\leq 1.2$  W/kg, SAR measurement is required for 2.4 GHz 802.11g/n OFDM configurations

4) The highest SAR measured for the initial test position or initial test configuration should be used to determine SAR test exclusion according to the sum of 1-g SAR and SAR peak to location ratio provisions in KDB 447498. In addition, a test lab may also choose to perform standalone SAR measurements for test positions and 802.11 configurations that are not required by the initial test position or initial test configuration procedures and apply the results to determine simultaneous transmission SAR test exclusion, according to sum of 1-g and SAR peak to location ratio requirements to reduce the number of simultaneous transmission SAR measurements.

## 7.2.1 SAR measurement Result of GSM850

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Left cheek	190/836.6	GSM	<b>0.273</b>	0.138	-0.14	27.70	28.20	<b>0.306</b>	Battery 1#	Yes
Left tilt	190/836.6	GSM	<b>0.252</b>	0.120	0.04	27.70	28.20	<b>0.283</b>	Battery 1#	/
Right cheek	190/836.6	GSM	<b>0.266</b>	0.142	-0.01	27.70	28.20	<b>0.298</b>	Battery 1#	/
Right tilt	190/836.6	GSM	<b>0.243</b>	0.119	-0.07	27.70	28.20	<b>0.273</b>	Battery 1#	/
Left cheek	190/836.6	GSM	<b>0.271</b>	0.137	0.05	27.70	28.20	<b>0.304</b>	Battery 2#	/
Left cheek	128/824.2	GSM	<b>0.205</b>	0.103	-0.11	27.63	28.20	<b>0.234</b>	Battery 1#	/
Left cheek	251/848.8	GSM	<b>0.239</b>	0.120	-0.04	27.72	28.20	<b>0.267</b>	Battery 1#	/
Main Antenna										
Left cheek	190/836.6	GSM	<b>0.089</b>	0.059	0.03	33.86	34.00	<b>0.092</b>	Battery 1#	/
Left tilt	190/836.6	GSM	<b>0.041</b>	0.028	0.02	33.86	34.00	<b>0.042</b>	Battery 1#	/
Right cheek	190/836.6	GSM	<b>0.104</b>	0.082	0.15	33.86	34.00	<b>0.107</b>	Battery 1#	Yes
Right tilt	190/836.6	GSM	<b>0.042</b>	0.029	0.06	33.86	34.00	<b>0.044</b>	Battery 1#	/
Right cheek	190/836.6	GSM	<b>0.100</b>	0.080	-0.06	33.86	34.00	<b>0.103</b>	Battery 2#	/
Right cheek	128/824.2	GSM	<b>0.100</b>	0.080	-0.08	33.80	34.00	<b>0.105</b>	Battery 1#	/
Right cheek	251/848.8	GSM	<b>0.082</b>	0.065	0.05	33.96	34.00	<b>0.083</b>	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Left cheek	190/836.6	GSM	<b>0.247</b>	0.126	-0.17	27.70	28.20	<b>0.277</b>	Battery 1#	/
Main Antenna										
Right cheek	190/836.6	GSM	<b>0.037</b>	0.020	0.12	33.86	34.00	<b>0.038</b>	Battery 1#	/

Table 135: Head SAR test results of GSM850



Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	15mm	190/836.6	GSM	0.043	0.030	-0.15	28.29	28.70	0.047	Battery 1#	/
Back Side	15mm	190/836.6	GSM	0.049	0.035	-0.10	28.29	28.70	0.054	Battery 1#	Yes
Back Side	15mm	190/836.6	GSM	0.047	0.033	-0.03	28.29	28.70	0.052	Battery 2#	/
Back Side	15mm	128/824.2	GSM	0.037	0.026	-0.08	28.11	28.70	0.042	Battery 1#	/
Back Side	15mm	251/848.8	GSM	0.044	0.031	-0.13	28.22	28.70	0.050	Battery 1#	/
Main Antenna											
Front Side	15mm	190/836.6	GSM	0.209	0.142	-0.07	33.86	34.00	0.216	Battery 1#	/
Back Side	15mm	190/836.6	GSM	0.291	0.209	-0.07	33.86	34.00	0.301	Battery 1#	/
Back Side	15mm	190/836.6	GSM	0.285	0.204	-0.05	33.86	34.00	0.294	Battery 2#	/
Back Side	15mm	128/824.2	GSM	0.307	0.222	-0.06	33.80	34.00	0.321	Battery 1#	Yes
Back Side	15mm	251/848.8	GSM	0.253	0.180	-0.05	33.96	34.00	0.255	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Back Side	15mm	190/836.6	GSM	0.034	0.023	-0.19	28.29	28.70	0.037	Battery 1#	/
Main Antenna											
Back Side	15mm	128/824.2	GSM	0.128	0.093	-0.05	33.80	34.00	0.134	Battery 1#	/

Table 136: Body-Worn SAR test results of GSM850

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	10mm	190/836.6	GPRS 2TS	0.110	0.060	-0.15	26.25	26.70	0.122	Battery 1#	/
Back Side	10mm	190/836.6	GPRS 2TS	0.106	0.059	-0.16	26.25	26.70	0.118	Battery 1#	/
Left Side	10mm	190/836.6	GPRS 2TS	0.066	0.044	-0.09	26.25	26.70	0.074	Battery 1#	/
Right Side	10mm	190/836.6	GPRS 2TS	0.010	0.007	-0.08	26.25	26.70	0.011	Battery 1#	/
Top Side	10mm	190/836.6	GPRS 2TS	0.074	0.035	0.15	26.25	26.70	0.082	Battery 1#	/
Front Side	10mm	190/836.6	GPRS 2TS	0.101	0.056	-0.11	26.25	26.70	0.112	Battery 2#	/
Front Side	10mm	128/824.2	GPRS 2TS	0.074	0.041	-0.16	26.18	26.70	0.084	Battery 1#	/
Front Side	10mm	251/848.8	GPRS 2TS	0.088	0.049	-0.03	26.18	26.70	0.100	Battery 1#	/
Main Antenna											
Front Side	10mm	190/836.6	GPRS 2TS	0.302	0.197	-0.06	31.62	32.00	0.330	Battery 1#	/
Back Side	10mm	190/836.6	GPRS 2TS	0.394	0.232	-0.06	31.62	32.00	0.430	Battery 1#	/
Left Side	10mm	190/836.6	GPRS 2TS	0.312	0.160	-0.04	31.62	32.00	0.341	Battery 1#	/
Bottom Side	10mm	190/836.6	GPRS 2TS	0.261	0.161	-0.05	31.62	32.00	0.285	Battery 1#	/
Back Side	10mm	190/836.6	GPRS 2TS	0.423	0.248	-0.04	31.62	32.00	0.462	Battery 2#	/
Back Side	10mm	128/824.2	GPRS 2TS	0.481	0.340	-0.10	31.52	32.00	0.537	Battery 2#	Yes
Back Side	10mm	251/848.8	GPRS 2TS	0.435	0.256	-0.09	31.72	32.00	0.464	Battery 2#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	10mm	190/836.6	GPRS 2TS	0.114	0.062	-0.17	26.25	26.70	0.126	Battery 1#	Yes
Main Antenna											
Back Side	10mm	128/824.2	GPRS 2TS	0.210	0.150	-0.13	31.52	32.00	0.235	Battery 2#	/

Table 137: Hotspot SAR test results of GSM850

Note: Per KDB 648474 D04, Product Specific 10-g SAR test is not required for this frequency band since hotspot mode 1-g reported SAR < 1.2 W/kg.

## 7.2.2 SAR measurement Result of GSM1900

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Left cheek	661/1880	GSM	0.118	0.059	-0.02	26.24	27.00	0.141	Battery 1#	/
Left tilt	661/1880	GSM	0.162	0.079	-0.10	26.24	27.00	0.193	Battery 1#	/
Right cheek	661/1880	GSM	0.191	0.092	-0.02	26.24	27.00	0.228	Battery 1#	/
Right tilt	661/1880	GSM	0.224	0.109	-0.03	26.24	27.00	0.267	Battery 1#	/
Right tilt	661/1880	GSM	0.225	0.109	-0.07	26.24	27.00	0.268	Battery 2#	/
Right tilt	512/1850.2	GSM	0.249	0.121	-0.04	26.17	27.00	0.301	Battery 2#	/
Right tilt	810/1909.8	GSM	0.229	0.108	-0.05	26.09	27.00	0.282	Battery 2#	/
Main Antenna										
Left cheek	661/1880	GSM	0.063	0.041	-0.04	30.33	31.00	0.073	Battery 1#	/
Left tilt	661/1880	GSM	0.038	0.021	0.06	30.33	31.00	0.044	Battery 1#	/
Right cheek	661/1880	GSM	0.060	0.039	-0.10	30.33	31.00	0.070	Battery 1#	/
Right tilt	661/1880	GSM	0.035	0.021	-0.10	30.33	31.00	0.041	Battery 1#	/
Left cheek	661/1880	GSM	0.064	0.041	-0.10	30.33	31.00	0.074	Battery 2#	/
Left cheek	512/1850.2	GSM	0.051	0.033	0.09	30.32	31.00	0.060	Battery 2#	/
Left cheek	810/1909.8	GSM	0.069	0.045	0.17	30.14	31.00	0.084	Battery 2#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Right tilt	512/1850.2	GSM	0.333	0.162	-0.12	26.17	27.00	0.403	Battery 2#	Yes
Main Antenna										
Left cheek	810/1909.8	GSM	0.131	0.059	-0.17	30.14	31.00	0.160	Battery 2#	Yes

Table 138: Head SAR test results of GSM1900

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	15mm	661/1880	GSM	0.015	0.009	-0.12	26.24	27.00	0.018	Battery 1#	/
Back Side	15mm	661/1880	GSM	0.020	0.012	0.19	26.24	27.00	0.024	Battery 1#	/
Back Side	15mm	661/1880	GSM	0.015	0.008	-0.12	26.24	27.00	0.018	Battery 2#	/
Back Side	15mm	512/1850.2	GSM	0.025	0.015	0.02	26.17	27.00	0.031	Battery 1#	Yes
Back Side	15mm	810/1909.8	GSM	0.019	0.010	-0.07	26.09	27.00	0.023	Battery 1#	/
Main Antenna											
Front Side	15mm	661/1880	GSM	0.087	0.077	0.16	30.33	31.00	0.102	Battery 1#	/
Back Side	15mm	661/1880	GSM	0.121	0.079	-0.07	30.33	31.00	0.141	Battery 1#	/
Back Side	15mm	661/1880	GSM	0.114	0.069	0.10	30.33	31.00	0.133	Battery 2#	/
Back Side	15mm	512/1850.2	GSM	0.101	0.062	0.11	30.32	31.00	0.118	Battery 1#	/
Back Side	15mm	810/1909.8	GSM	0.130	0.084	-0.11	30.14	31.00	0.158	Battery 1#	Yes
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Back Side	15mm	512/1850.2	GSM	0.021	0.011	-0.17	26.17	27.00	0.025	Battery 1#	/
Main Antenna											
Back Side	15mm	810/1909.8	GSM	0.123	0.071	-0.12	30.14	31.00	0.150	Battery 1#	/

Table 139: Body-Worn SAR test results of GSM1900

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	10mm	661/1880	GPRS 2TS	0.044	0.023	-0.07	24.24	25.00	0.052	Battery 1#	/
Back Side	10mm	661/1880	GPRS 2TS	0.059	0.032	-0.04	24.24	25.00	0.070	Battery 1#	/
Left Side	10mm	661/1880	GPRS 2TS	0.015	0.008	0.09	24.24	25.00	0.018	Battery 1#	/
Top Side	10mm	661/1880	GPRS 2TS	0.107	0.057	0.11	24.24	25.00	0.127	Battery 1#	/
Top Side	10mm	661/1880	GPRS 2TS	0.109	0.059	0.18	24.24	25.00	0.130	Battery 2#	/
Top Side	10mm	512/1850.2	GPRS 2TS	0.099	0.052	0.14	24.14	25.00	0.120	Battery 2#	/
Top Side	10mm	810/1909.8	GPRS 2TS	0.085	0.045	0.13	24.07	25.00	0.106	Battery 2#	/
Main Antenna											
Front Side	10mm	661/1880	GPRS 2TS	0.192	0.110	-0.10	28.19	29.00	0.231	Battery 1#	/
Back Side	10mm	661/1880	GPRS 2TS	0.247	0.146	-0.09	28.19	29.00	0.298	Battery 1#	/
Right Side	10mm	661/1880	GPRS 2TS	0.127	0.069	0.05	28.19	29.00	0.153	Battery 1#	/
Bottom Side	10mm	661/1880	GPRS 2TS	0.437	0.248	0.18	28.19	29.00	0.527	Battery 1#	/
Bottom Side	10mm	661/1880	GPRS 2TS	0.410	0.232	0.15	28.19	29.00	0.494	Battery 2#	/
Bottom Side	10mm	512/1850.2	GPRS 2TS	0.365	0.200	0.19	28.17	29.00	0.442	Battery 1#	/
Bottom Side	10mm	810/1909.8	GPRS 2TS	0.473	0.265	0.18	28.02	29.00	0.593	Battery 1#	Yes
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Top Side	10mm	661/1880	GPRS 2TS	0.126	0.068	-0.03	24.24	25.00	0.150	Battery 2#	Yes
Main Antenna											
Bottom Side	10mm	810/1909.8	GPRS 2TS	0.289	0.163	-0.07	28.02	29.00	0.362	Battery 1#	/

Table 140: Hotspot SAR test results of GSM1900

Note: Per KDB 648474 D04, Product Specific 10-g SAR test is not required for this frequency band since hotspot mode 1-g reported SAR < 1.2 W/kg.

### 7.2.3 SAR measurement Result of UMTS Band II

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Left cheek	9400/1880	RMC	0.105	0.060	-0.07	15.57	16.50	0.130	Battery 1#	/
Left tilt	9400/1880	RMC	0.143	0.080	-0.07	15.57	16.50	0.177	Battery 1#	/
Right cheek	9400/1880	RMC	0.205	0.100	-0.13	15.57	16.50	0.254	Battery 1#	/
Right tilt	9400/1880	RMC	0.189	0.102	-0.17	15.57	16.50	0.234	Battery 1#	/
Right cheek	9400/1880	RMC	0.215	0.103	-0.17	15.57	16.50	0.266	Battery 2#	/
Right cheek	9262/1852.4	RMC	0.193	0.107	-0.16	15.64	16.50	0.235	Battery 2#	/
Right cheek	9538/1907.6	RMC	0.153	0.087	-0.12	15.43	16.50	0.196	Battery 2#	/
Main Antenna										
Left cheek	9400/1880	RMC	0.173	0.112	0.05	23.96	25.00	0.220	Battery 1#	Yes
Left tilt	9400/1880	RMC	0.080	0.044	-0.09	23.96	25.00	0.102	Battery 1#	/
Right cheek	9400/1880	RMC	0.137	0.089	0.08	23.96	25.00	0.174	Battery 1#	/
Right tilt	9400/1880	RMC	0.083	0.048	-0.03	23.96	25.00	0.105	Battery 1#	/
Left cheek	9400/1880	RMC	0.171	0.109	0.05	23.96	25.00	0.217	Battery 2#	/
Left cheek	9262/1852.4	RMC	0.148	0.090	-0.03	24.05	25.00	0.184	Battery 1#	/
Left cheek	9538/1907.6	RMC	0.146	0.088	-0.12	23.85	25.00	0.190	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Right cheek	9400/1880	RMC	0.266	0.124	0.02	15.57	16.50	0.330	Battery 2#	Yes
Main Antenna										
Left cheek	9400/1880	RMC	0.093	0.061	0.11	23.96	25.00	0.118	Battery 1#	/

Table 141: Head SAR test results of UMTS Band II

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	15mm	9400/1880	RMC	0.082	0.046	-0.13	21.55	22.50	0.102	Battery 1#	/
Back Side	15mm	9400/1880	RMC	0.134	0.079	-0.11	21.55	22.50	0.167	Battery 1#	/
Back Side	15mm	9400/1880	RMC	0.123	0.074	-0.09	21.55	22.50	0.153	Battery 2#	/
Back Side	15mm	9262/1852.4	RMC	0.160	0.095	-0.06	21.68	22.50	0.193	Battery 1#	Yes
Back Side	15mm	9538/1907.6	RMC	0.097	0.057	-0.07	21.45	22.50	0.123	Battery 1#	/
Main Antenna											
Front Side	15mm	9400/1880	RMC	0.218	0.136	-0.08	23.96	25.00	0.277	Battery 1#	/
Back Side	15mm	9400/1880	RMC	0.326	0.210	-0.11	23.96	25.00	0.414	Battery 1#	Yes
Back Side	15mm	9400/1880	RMC	0.316	0.205	-0.07	23.96	25.00	0.402	Battery 2#	/
Back Side	15mm	9262/1852.4	RMC	0.325	0.212	-0.14	24.05	25.00	0.404	Battery 1#	/
Back Side	15mm	9538/1907.6	RMC	0.311	0.200	-0.14	23.85	25.00	0.405	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Back Side	15mm	9262/1852.4	RMC	0.123	0.073	-0.10	21.68	22.50	0.149	Battery 1#	/
Main Antenna											
Back Side	15mm	9400/1880	RMC	0.136	0.079	-0.09	23.96	25.00	0.173	Battery 1#	/

Table 142: Body-Worn SAR test results of UMTS Band II

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	10mm	9400/1880	RMC	0.070	0.036	-0.07	17.08	18.00	0.086	Battery 1#	/
Back Side	10mm	9400/1880	RMC	0.112	0.061	-0.10	17.08	18.00	0.138	Battery 1#	/
Left Side	10mm	9400/1880	RMC	0.012	0.006	0.19	17.08	18.00	0.014	Battery 1#	/
Top Side	10mm	9400/1880	RMC	0.153	0.082	0.17	17.08	18.00	0.189	Battery 1#	/
Top Side	10mm	9400/1880	RMC	0.146	0.078	0.18	17.08	18.00	0.180	Battery 2#	/
Top Side	10mm	9262/1852.4	RMC	0.172	0.092	0.17	17.23	18.00	0.205	Battery 1#	Yes
Top Side	10mm	9538/1907.6	RMC	0.114	0.061	0.17	16.98	18.00	0.144	Battery 1#	/
Main Antenna											
Front Side	10mm	9400/1880	RMC	0.199	0.121	-0.11	21.46	22.50	0.253	Battery 1#	/
Back Side	10mm	9400/1880	RMC	0.318	0.204	-0.11	21.46	22.50	0.404	Battery 1#	Yes
Right Side	10mm	9400/1880	RMC	0.146	0.079	-0.12	21.46	22.50	0.186	Battery 1#	/
Back Side	10mm	9400/1880	RMC	0.285	0.161	0.14	21.46	22.50	0.362	Battery 1#	/
Back Side	10mm	9400/1880	RMC	0.300	0.191	0.08	21.46	22.50	0.381	Battery 2#	/
Back Side	10mm	9262/1852.4	RMC	0.290	0.174	0.00	21.46	22.50	0.368	Battery 1#	/
Back Side	10mm	9538/1907.6	RMC	0.274	0.161	-0.12	21.35	22.50	0.357	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Top Side	10mm	9262/1852.4	RMC	0.169	0.091	-0.03	17.23	18.00	0.202	Battery 1#	/
Main Antenna											
Back Side	10mm	9400/1880	RMC	0.151	0.083	-0.07	21.46	22.50	0.192	Battery 1#	/

Table 143: Hotspot SAR test results of UMTS Band II



Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without power reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Front Side	10mm	9400/1880	RMC	0.070	0.036	-0.07	17.08	22.50	0.242	Yes
Back Side	10mm	9400/1880	RMC	0.112	0.061	-0.10	17.08	22.50	0.390	Yes
Left Side	10mm	9400/1880	RMC	0.012	0.006	0.19	17.08	22.50	0.040	Yes
Top Side	10mm	9400/1880	RMC	0.153	0.082	0.17	17.08	22.50	0.533	Yes
Top Side	10mm	9400/1880	RMC	0.146	0.078	0.18	17.08	22.50	0.509	Yes
Top Side	10mm	9262/1852.4	RMC	0.172	0.092	0.17	17.23	22.50	0.579	Yes
Top Side	10mm	9538/1907.6	RMC	0.114	0.061	0.17	16.98	22.50	0.406	Yes
Main Antenna										
Front Side	10mm	9400/1880	RMC	0.199	0.121	-0.11	21.46	25.00	0.450	Yes
Back Side	10mm	9400/1880	RMC	0.318	0.204	-0.11	21.46	25.00	0.719	Yes
Right Side	10mm	9400/1880	RMC	0.146	0.079	-0.12	21.46	25.00	0.330	Yes
Back Side	10mm	9400/1880	RMC	0.285	0.161	0.14	21.46	25.00	0.644	Yes
Back Side	10mm	9400/1880	RMC	0.300	0.191	0.08	21.46	25.00	0.678	Yes
Back Side	10mm	9262/1852.4	RMC	0.290	0.174	0.00	21.46	25.00	0.655	Yes
Back Side	10mm	9538/1907.6	RMC	0.274	0.161	-0.12	21.35	25.00	0.635	Yes
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Top Side	10mm	9262/1852.4	RMC	0.169	0.091	-0.03	17.23	22.50	0.569	Yes
Main Antenna										
Back Side	10mm	9400/1880	RMC	0.151	0.083	-0.07	21.46	25.00	0.341	Yes

Table 144: Product Specific 10-g SAR test reduction evaluation of UMTS Band II

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

## 7.2.4 SAR measurement Result of UMTS Band IV

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Left cheek	1413/1732.6	RMC	0.153	0.077	-0.11	14.54	15.50	0.191	Battery 1#	/
Left tilt	1413/1732.6	RMC	0.257	0.125	-0.03	14.54	15.50	0.321	Battery 1#	/
Right cheek	1413/1732.6	RMC	0.176	0.089	0.08	14.54	15.50	0.220	Battery 1#	/
Right tilt	1413/1732.6	RMC	0.305	0.149	0.04	14.54	15.50	0.380	Battery 1#	/
Right tilt	1413/1732.6	RMC	0.278	0.137	0.04	14.54	15.50	0.347	Battery 2#	/
Right tilt	1312/1712.4	RMC	0.223	0.111	0.01	14.65	15.50	0.271	Battery 1#	/
Right tilt	1513/1752.6	RMC	0.361	0.170	-0.16	14.53	15.50	0.451	Battery 1#	Yes
Main Antenna										
Left cheek	1413/1732.6	RMC	0.233	0.149	0.02	23.99	25.00	0.294	Battery 1#	Yes
Left tilt	1413/1732.6	RMC	0.143	0.077	-0.07	23.99	25.00	0.180	Battery 1#	/
Right cheek	1413/1732.6	RMC	0.199	0.130	-0.10	23.99	25.00	0.251	Battery 1#	/
Right tilt	1413/1732.6	RMC	0.136	0.076	0.07	23.99	25.00	0.172	Battery 1#	/
Left cheek	1413/1732.6	RMC	0.210	0.136	0.12	23.99	25.00	0.265	Battery 2#	/
Left cheek	1312/1712.4	RMC	0.231	0.149	-0.15	24.13	25.00	0.282	Battery 1#	/
Left cheek	1513/1752.6	RMC	0.228	0.146	0.01	24.04	25.00	0.284	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Right tilt	1513/1752.6	RMC	0.227	0.111	0.07	14.53	15.50	0.284	Battery 1#	/
Main Antenna										
Left cheek	1413/1732.6	RMC	0.099	0.066	0.08	23.99	25.00	0.125	Battery 1#	/

Table 145: Head SAR test results of UMTS Band IV

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	15mm	1413/1732.6	RMC	0.158	0.097	-0.19	22.03	23.00	0.198	Battery 1#	/
Back Side	15mm	1413/1732.6	RMC	0.283	0.168	-0.08	22.03	23.00	0.354	Battery 1#	Yes
Back Side	15mm	1413/1732.6	RMC	0.274	0.164	-0.04	22.03	23.00	0.343	Battery 2#	/
Back Side	15mm	1312/1712.4	RMC	0.257	0.153	-0.13	22.15	23.00	0.313	Battery 1#	/
Back Side	15mm	1513/1752.6	RMC	0.268	0.159	-0.04	22.06	23.00	0.333	Battery 1#	/
Main Antenna											
Front Side	15mm	1413/1732.6	RMC	0.407	0.268	-0.19	23.99	25.00	0.514	Battery 1#	Yes
Back Side	15mm	1413/1732.6	RMC	0.378	0.248	-0.11	23.99	25.00	0.477	Battery 1#	/
Front Side	15mm	1413/1732.6	RMC	0.404	0.267	-0.17	23.99	25.00	0.510	Battery 2#	/
Front Side	15mm	1312/1712.4	RMC	0.371	0.234	-0.16	24.13	25.00	0.453	Battery 1#	/
Front Side	15mm	1513/1752.6	RMC	0.364	0.240	-0.17	24.04	25.00	0.454	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Back Side	15mm	1413/1732.6	RMC	0.087	0.052	-0.13	22.03	23.00	0.109	Battery 1#	/
Main Antenna											
Front Side	15mm	1413/1732.6	RMC	0.199	0.129	0.08	23.99	25.00	0.251	Battery 1#	/

Table 146: Body-Worn SAR test results of UMTS Band IV

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	10mm	1413/1732.6	RMC	0.101	0.060	0.01	18.06	19.00	0.125	Battery 1#	/
Back Side	10mm	1413/1732.6	RMC	0.290	0.150	0.10	18.06	19.00	0.360	Battery 1#	/
Left Side	10mm	1413/1732.6	RMC	0.048	0.023	0.09	18.06	19.00	0.060	Battery 1#	/
Top Side	10mm	1413/1732.6	RMC	0.294	0.163	0.01	18.06	19.00	0.365	Battery 1#	Yes
Top Side	10mm	1413/1732.6	RMC	0.292	0.162	0.04	18.06	19.00	0.363	Battery 2#	/
Top Side	10mm	1312/1712.4	RMC	0.274	0.153	0.05	18.16	19.00	0.332	Battery 1#	/
Top Side	10mm	1513/1752.6	RMC	0.283	0.155	0.09	18.07	19.00	0.351	Battery 1#	/
Main Antenna											
Front Side	10mm	1413/1732.6	RMC	0.308	0.201	0.01	20.99	22.00	0.389	Battery 1#	/
Back Side	10mm	1413/1732.6	RMC	0.406	0.265	-0.10	20.99	22.00	0.512	Battery 1#	/
Right Side	10mm	1413/1732.6	RMC	0.068	0.040	-0.07	20.99	22.00	0.085	Battery 1#	/
Bottom Side	10mm	1413/1732.6	RMC	0.542	0.312	0.07	20.99	22.00	0.684	Battery 1#	Yes
Bottom Side	10mm	1413/1732.6	RMC	0.506	0.295	0.06	20.99	22.00	0.638	Battery 2#	/
Bottom Side	10mm	1312/1712.4	RMC	0.489	0.285	0.01	21.10	22.00	0.602	Battery 1#	/
Bottom Side	10mm	1513/1752.6	RMC	0.264	0.153	0.00	21.03	22.00	0.330	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Top Side	10mm	1413/1732.6	RMC	0.125	0.067	-0.13	18.06	19.00	0.155	Battery 1#	/
Main Antenna											
Bottom Side	10mm	1413/1732.6	RMC	0.173	0.101	-0.09	20.99	22.00	0.218	Battery 1#	/

Table 147: Hotspot SAR test results of UMTS Band IV

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

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Front Side	10mm	1413/1732.6	RMC	0.101	0.060	0.01	18.06	23.00	0.315	Yes
Back Side	10mm	1413/1732.6	RMC	0.290	0.150	0.10	18.06	23.00	0.904	Yes
Left Side	10mm	1413/1732.6	RMC	0.048	0.023	0.09	18.06	23.00	0.150	Yes
Top Side	10mm	1413/1732.6	RMC	0.294	0.163	0.01	18.06	23.00	0.917	Yes
Top Side	10mm	1413/1732.6	RMC	0.292	0.162	0.04	18.06	23.00	0.911	Yes
Top Side	10mm	1312/1712.4	RMC	0.274	0.153	0.05	18.16	23.00	0.835	Yes
Top Side	10mm	1513/1752.6	RMC	0.283	0.155	0.09	18.07	23.00	0.881	Yes
Main Antenna										
Front Side	10mm	1413/1732.6	RMC	0.308	0.201	0.01	20.99	25.00	0.775	Yes
Back Side	10mm	1413/1732.6	RMC	0.406	0.265	-0.10	20.99	25.00	1.022	Yes
Right Side	10mm	1413/1732.6	RMC	0.068	0.040	-0.07	20.99	25.00	0.170	Yes

Bottom Side	10mm	1413/1732.6	RMC	0.542	0.312	0.07	20.99	25.00	1.365	No
Bottom Side	10mm	1413/1732.6	RMC	0.506	0.295	0.06	20.99	25.00	1.274	No
Bottom Side	10mm	1312/1712.4	RMC	0.489	0.285	0.01	21.10	25.00	1.200	Yes
Bottom Side	10mm	1513/1752.6	RMC	0.264	0.153	0.00	21.03	25.00	0.659	Yes
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Top Side	10mm	1413/1732.6	RMC	0.125	0.067	-0.13	18.06	23.00	0.390	Yes
Main Antenna										
Bottom Side	10mm	1413/1732.6	RMC	0.173	0.101	-0.09	20.99	25.00	0.436	Yes

Table 148: Product Specific 10-g SAR test reduction evaluation of UMTS Band IV

Note : According to the table above , Product Specific 10-g SAR test is required for this frequency band for Bottom Side for Main antenna

Product Specific 10-g SAR	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 10-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Main Antenna											
Bottom Side	0mm	1413/1732.6	RMC	3.190	1.430	0.07	20.99	22.00	1.804	Battery 1#	/
Bottom Side	0mm	1413/1732.6	RMC	3.190	1.440	0.09	20.99	22.00	1.817	Battery 2#	Yes
Bottom Side	0mm	1312/1712.4	RMC	3.040	1.400	0.08	21.10	22.00	1.722	Battery 2#	/
Bottom Side	0mm	1513/1752.6	RMC	3.120	1.410	0.08	21.03	22.00	1.763	Battery 2#	/
Additional SAR test at a conservative distance(triggering distance minus 1mm)											
Bottom Side	7mm	1413/1732.6	RMC	1.490	0.828	-0.03	23.99	25.00	1.045	Battery 2#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Main Antenna											
Bottom Side	0mm	1413/1732.6	RMC	0.996	0.452	-0.10	20.99	22.00	0.570	Battery 2#	/

Table 149: Product Specific 10-g SAR test results of UMTS Band IV

## 7.2.5 SAR measurement Result of UMTS Band V

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Left cheek	4182/836.4	RMC	0.214	0.107	0.00	17.80	18.20	0.235	Battery 1#	/
Left tilt	4182/836.4	RMC	0.183	0.087	-0.04	17.80	18.20	0.201	Battery 1#	/
Right cheek	4182/836.4	RMC	0.228	0.123	-0.06	17.80	18.20	0.250	Battery 1#	/
Right tilt	4182/836.4	RMC	0.225	0.113	-0.03	17.80	18.20	0.247	Battery 1#	/
Right cheek	4182/836.4	RMC	0.243	0.129	-0.14	17.80	18.20	0.266	Battery 2#	/
Right cheek	4132/826.4	RMC	0.207	0.109	-0.02	17.76	18.20	0.229	Battery 2#	/
Right cheek	4233/846.6	RMC	0.257	0.137	-0.09	17.81	18.20	0.281	Battery 2#	Yes
Main Antenna										
Left cheek	4182/836.4	RMC	0.102	0.072	-0.09	24.39	25.00	0.117	Battery 1#	/
Left tilt	4182/836.4	RMC	0.052	0.040	0.03	24.39	25.00	0.060	Battery 1#	/
Right cheek	4182/836.4	RMC	0.111	0.088	0.05	24.39	25.00	0.128	Battery 1#	/
Right tilt	4182/836.4	RMC	0.049	0.038	0.15	24.39	25.00	0.056	Battery 1#	/
Right cheek	4182/836.4	RMC	0.110	0.088	-0.17	24.39	25.00	0.127	Battery 2#	/
Right cheek	4132/826.4	RMC	0.123	0.098	0.05	24.40	25.00	0.141	Battery 1#	Yes
Right cheek	4233/846.6	RMC	0.087	0.069	0.07	24.34	25.00	0.101	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Right cheek	4233/846.6	RMC	0.257	0.125	0.12	17.81	18.20	0.281	Battery 2#	/
Main Antenna										
Right cheek	4132/826.4	RMC	0.044	0.035	0.01	24.40	25.00	0.051	Battery 1#	/

Table 150: Head SAR test results of UMTS Band V

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	15mm	4182/836.4	RMC	0.137	0.093	-0.05	24.30	24.70	0.150	Battery 1#	/
Back Side	15mm	4182/836.4	RMC	0.178	0.124	-0.06	24.30	24.70	0.195	Battery 1#	/
Back Side	15mm	4182/836.4	RMC	0.178	0.123	-0.16	24.30	24.70	0.195	Battery 2#	/
Back Side	15mm	4132/826.4	RMC	0.135	0.094	-0.10	24.30	24.70	0.148	Battery 1#	/
Back Side	15mm	4233/846.6	RMC	0.185	0.129	-0.10	24.28	24.70	0.204	Battery 1#	Yes
Main Antenna											
Front Side	15mm	4182/836.4	RMC	0.211	0.145	-0.02	24.39	25.00	0.243	Battery 1#	/
Back Side	15mm	4182/836.4	RMC	0.284	0.203	-0.02	24.39	25.00	0.327	Battery 1#	/
Back Side	15mm	4182/836.4	RMC	0.290	0.207	0.02	24.39	25.00	0.334	Battery 2#	/
Back Side	15mm	4132/826.4	RMC	0.321	0.232	-0.07	24.40	25.00	0.369	Battery 2#	Yes
Back Side	15mm	4233/846.6	RMC	0.231	0.165	-0.01	24.34	25.00	0.269	Battery 2#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Back Side	15mm	4233/846.6	RMC	0.167	0.116	-0.04	24.28	24.70	0.184	Battery 1#	/
Main Antenna											
Back Side	15mm	4132/826.4	RMC	0.090	0.065	-0.13	24.40	25.00	0.104	Battery 2#	/

Table 151: Body-Worn SAR test results of UMTS Band V

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	10mm	4182/836.4	RMC	0.136	0.075	0.00	21.30	21.70	0.149	Battery 1#	/
Back Side	10mm	4182/836.4	RMC	0.151	0.082	-0.11	21.30	21.70	0.166	Battery 1#	/
Left Side	10mm	4182/836.4	RMC	0.082	0.055	0.03	21.30	21.70	0.090	Battery 1#	/
Right Side	10mm	4182/836.4	RMC	0.014	0.009	0.04	21.30	21.70	0.015	Battery 1#	/
Top Side	10mm	4182/836.4	RMC	0.115	0.051	-0.07	21.30	21.70	0.126	Battery 1#	/
Back Side	10mm	4182/836.4	RMC	0.152	0.082	-0.03	21.30	21.70	0.167	Battery 2#	/
Back Side	10mm	4132/826.4	RMC	0.127	0.070	-0.14	21.31	21.70	0.139	Battery 2#	/
Back Side	10mm	4233/846.6	RMC	0.174	0.109	-0.09	21.27	21.70	0.192	Battery 2#	Yes
Main Antenna											
Front Side	10mm	4182/836.4	RMC	0.271	0.186	0.06	24.39	25.00	0.312	Battery 1#	/
Back Side	10mm	4182/836.4	RMC	0.375	0.219	-0.02	24.39	25.00	0.432	Battery 1#	Yes
Left Side	10mm	4182/836.4	RMC	0.312	0.174	0.10	24.39	25.00	0.359	Battery 1#	/
Bottom Side	10mm	4182/836.4	RMC	0.203	0.126	0.00	24.39	25.00	0.234	Battery 1#	/
Back Side	10mm	4182/836.4	RMC	0.278	0.162	-0.09	24.39	25.00	0.320	Battery 2#	/
Back Side	10mm	4132/826.4	RMC	0.374	0.216	-0.02	24.40	25.00	0.429	Battery 1#	/
Back Side	10mm	4233/846.6	RMC	0.289	0.189	-0.05	24.34	25.00	0.336	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Back Side	10mm	4233/846.6	RMC	0.123	0.071	-0.09	21.27	21.70	0.136	Battery 2#	/
Main Antenna											
Back Side	10mm	4182/836.4	RMC	0.139	0.099	-0.15	24.39	25.00	0.160	Battery 1#	/

Table 152: Hotspot SAR test results of UMTS Band V



Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without power reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Front Side	10mm	4182/836.4	RMC	0.136	0.075	0.00	21.30	24.70	0.298	Yes
Back Side	10mm	4182/836.4	RMC	0.151	0.082	-0.11	21.30	24.70	0.330	Yes
Left Side	10mm	4182/836.4	RMC	0.082	0.055	0.03	21.30	24.70	0.179	Yes
Right Side	10mm	4182/836.4	RMC	0.014	0.009	0.04	21.30	24.70	0.030	Yes
Top Side	10mm	4182/836.4	RMC	0.115	0.051	-0.07	21.30	24.70	0.252	Yes
Back Side	10mm	4182/836.4	RMC	0.152	0.082	-0.03	21.30	24.70	0.333	Yes
Back Side	10mm	4132/826.4	RMC	0.127	0.070	-0.14	21.31	24.70	0.277	Yes
Back Side	10mm	4233/846.6	RMC	0.174	0.109	-0.09	21.27	24.70	0.383	Yes
Main Antenna										
Front Side	10mm	4182/836.4	RMC	0.271	0.186	0.06	24.39	25.00	0.312	Yes
Back Side	10mm	4182/836.4	RMC	0.375	0.219	-0.02	24.39	25.00	0.432	Yes
Left Side	10mm	4182/836.4	RMC	0.312	0.174	0.10	24.39	25.00	0.359	Yes
Bottom Side	10mm	4182/836.4	RMC	0.203	0.126	0.00	24.39	25.00	0.234	Yes
Back Side	10mm	4182/836.4	RMC	0.278	0.162	-0.09	24.39	25.00	0.320	Yes
Back Side	10mm	4132/826.4	RMC	0.374	0.216	-0.02	24.40	25.00	0.429	Yes
Back Side	10mm	4233/846.6	RMC	0.289	0.189	-0.05	24.34	25.00	0.336	Yes
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Back Side	10mm	4233/846.6	RMC	0.123	0.071	-0.09	21.27	24.70	0.271	Yes
Main Antenna										
Back Side	10mm	4182/836.4	RMC	0.139	0.099	-0.15	24.39	25.00	0.160	Yes

Table 153: Product Specific 10-g SAR test reduction evaluation of UMTS Band V

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

## 7.2.6 SAR measurement Result of LTE Band 2

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Left cheek	19100/1900	20M QPSK 1RB#99	0.120	0.059	-0.16	15.37	16.70	0.163	Battery 1#	/
Left tilt	19100/1900	20M QPSK 1RB#99	0.148	0.072	-0.16	15.37	16.70	0.201	Battery 1#	/
Right cheek	19100/1900	20M QPSK 1RB#99	0.218	0.103	0.01	15.37	16.70	0.296	Battery 1#	/
Right tilt	19100/1900	20M QPSK 1RB#99	0.264	0.119	-0.03	15.37	16.70	0.359	Battery 1#	/
Left cheek	19100/1900	20M QPSK 50%RB#50	0.091	0.052	-0.02	15.63	16.70	0.116	Battery 1#	/
Left tilt	19100/1900	20M QPSK 50%RB#50	0.159	0.078	-0.01	15.63	16.70	0.203	Battery 1#	/
Right cheek	19100/1900	20M QPSK 50%RB#50	0.231	0.109	0.11	15.63	16.70	0.296	Battery 1#	/
Right tilt	19100/1900	20M QPSK 50%RB#50	0.289	0.131	-0.03	15.63	16.70	0.370	Battery 1#	Yes
Right tilt	19100/1900	20M QPSK 50%RB#50	0.217	0.105	-0.02	15.63	16.70	0.278	Battery 2#	/
Right tilt	18700/1860	20M QPSK 50%RB#0	0.269	0.131	0.00	15.57	16.70	0.349	Battery 1#	/
Right tilt	18900/1880	20M QPSK 50%RB#50	0.275	0.134	0.02	15.60	16.70	0.354	Battery 1#	/
Main Antenna										
Left cheek	18700/1860	20M QPSK 1RB#0	0.125	0.080	-0.04	23.23	24.70	0.175	Battery 1#	/
Left tilt	18700/1860	20M QPSK 1RB#0	0.067	0.038	0.01	23.23	24.70	0.095	Battery 1#	/
Right cheek	18700/1860	20M QPSK 1RB#0	0.118	0.077	-0.07	23.23	24.70	0.166	Battery 1#	/
Right tilt	18700/1860	20M QPSK 1RB#0	0.066	0.037	-0.01	23.23	24.70	0.093	Battery 1#	/
Left cheek	18700/1860	20M QPSK 50%RB#25	0.094	0.057	-0.13	22.56	23.70	0.122	Battery 1#	/
Left tilt	18700/1860	20M QPSK 50%RB#25	0.065	0.036	-0.02	22.56	23.70	0.085	Battery 1#	/
Right cheek	18700/1860	20M QPSK 50%RB#25	0.100	0.058	0.05	22.56	23.70	0.130	Battery 1#	/
Right tilt	18700/1860	20M QPSK 50%RB#25	0.059	0.034	0.04	22.56	23.70	0.077	Battery 1#	/
Left cheek	18700/1860	20M QPSK 1RB#0	0.110	0.073	-0.07	23.23	24.70	0.154	Battery 2#	/
Left cheek	18900/1880	20M QPSK 1RB#50	0.118	0.078	-0.16	23.22	24.70	0.166	Battery 1#	/
Left cheek	19100/1900	20M QPSK 1RB#0	0.120	0.079	-0.02	23.16	24.70	0.171	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Right tilt	19100/1900	20M QPSK 50%RB#50	0.254	0.119	-0.12	15.63	16.70	0.325	Battery 1#	/
Main Antenna										
Left cheek	18700/1860	20M QPSK 1RB#0	0.183	0.096	-0.16	23.23	24.70	0.257	Battery 1#	Yes

Table 154: Head SAR test results of LTE Band 2

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	15mm	18700/1860	20M QPSK 1RB#99	0.026	0.014	0.03	20.36	21.70	0.036	Battery 1#	/
Back Side	15mm	18700/1860	20M QPSK 1RB#99	0.085	0.051	0.14	20.36	21.70	0.116	Battery 1#	/
Front Side	15mm	18700/1860	20M QPSK 50%RB#0	0.032	0.017	-0.06	20.64	21.70	0.040	Battery 1#	/
Back Side	15mm	18700/1860	20M QPSK 50%RB#0	0.098	0.058	0.17	20.64	21.70	0.126	Battery 1#	/
Back Side	15mm	18700/1860	20M QPSK 50%RB#0	0.132	0.077	-0.02	20.64	21.70	0.168	Battery 2#	Yes
Back Side	15mm	18900/1880	20M QPSK 50%RB#0	0.109	0.064	-0.02	20.58	21.70	0.141	Battery 2#	/
Back Side	15mm	19100/1900	20M QPSK 50%RB#0	0.087	0.049	0.00	20.55	21.70	0.113	Battery 2#	/
Main Antenna											
Front Side	15mm	18700/1860	20M QPSK 1RB#0	0.165	0.103	-0.04	23.23	24.70	0.231	Battery 1#	/
Back Side	15mm	18700/1860	20M QPSK 1RB#0	0.262	0.171	-0.13	23.23	24.70	0.368	Battery 1#	Yes
Front Side	15mm	18700/1860	20M QPSK 50%RB#25	0.152	0.095	-0.10	22.56	23.70	0.198	Battery 1#	/
Back Side	15mm	18700/1860	20M QPSK 50%RB#25	0.204	0.123	-0.02	22.56	23.70	0.265	Battery 1#	/
Back Side	15mm	18700/1860	20M QPSK 1RB#0	0.244	0.159	-0.15	23.23	24.70	0.342	Battery 2#	/
Back Side	15mm	18900/1880	20M QPSK 1RB#50	0.260	0.168	-0.02	23.22	24.70	0.366	Battery 1#	/
Back Side	15mm	19100/1900	20M QPSK 1RB#0	0.244	0.134	-0.11	23.16	24.70	0.348	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Back Side	15mm	18700/1860	20M QPSK 50%RB#0	0.095	0.055	-0.12	20.64	21.70	0.121	Battery 2#	/
Main Antenna											
Back Side	15mm	18700/1860	20M QPSK 1RB#0	0.164	0.098	-0.09	23.23	24.70	0.230	Battery 1#	/

Table 155: Body-Worn SAR test results of LTE Band 2

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	10mm	18900/1880	20M QPSK 1RB#99	0.046	0.026	0.12	16.40	17.70	0.062	Battery 1#	/
Back Side	10mm	18900/1880	20M QPSK 1RB#99	0.074	0.040	0.19	16.40	17.70	0.099	Battery 1#	/
Left Side	10mm	18900/1880	20M QPSK 1RB#99	0.021	0.011	0.12	16.40	17.70	0.029	Battery 1#	/
Top Side	10mm	18900/1880	20M QPSK 1RB#99	0.102	0.055	0.02	16.40	17.70	0.138	Battery 1#	/
Front Side	10mm	18700/1860	20M QPSK 50%RB#25	0.052	0.029	-0.07	16.68	17.70	0.066	Battery 1#	/
Back Side	10mm	18700/1860	20M QPSK 50%RB#25	0.098	0.053	-0.14	16.68	17.70	0.124	Battery 1#	/
Left Side	10mm	18700/1860	20M QPSK 50%RB#25	0.022	0.012	0.15	16.68	17.70	0.027	Battery 1#	/
Top Side	10mm	18700/1860	20M QPSK 50%RB#25	0.134	0.072	-0.07	16.68	17.70	0.169	Battery 1#	/
Top Side	10mm	18700/1860	20M QPSK 50%RB#25	0.135	0.073	0.17	16.68	17.70	0.171	Battery 2#	/
Top Side	10mm	18900/1880	20M QPSK 50%RB#0	0.113	0.060	0.13	16.54	17.70	0.148	Battery 2#	/
Top Side	10mm	19100/1900	20M QPSK 50%RB#50	0.092	0.049	0.11	16.59	17.70	0.119	Battery 2#	/
Main Antenna											
Front Side	10mm	19100/1900	20M QPSK 1RB#99	0.217	0.124	-0.18	21.33	22.70	0.297	Battery 1#	/
Back Side	10mm	19100/1900	20M QPSK 1RB#99	0.283	0.182	-0.04	21.33	22.70	0.388	Battery 1#	/
Right Side	10mm	19100/1900	20M QPSK 1RB#99	0.140	0.077	0.18	21.33	22.70	0.192	Battery 1#	/
Bottom Side	10mm	19100/1900	20M QPSK 1RB#99	0.459	0.260	0.04	21.33	22.70	0.629	Battery 1#	/
Front Side	10mm	18700/1860	20M QPSK 50%RB#50	0.221	0.136	-0.08	21.58	22.70	0.286	Battery 1#	/
Back Side	10mm	18700/1860	20M QPSK 50%RB#50	0.323	0.209	-0.19	21.58	22.70	0.418	Battery 1#	/
Right Side	10mm	18700/1860	20M QPSK 50%RB#50	0.150	0.082	0.09	21.58	22.70	0.194	Battery 1#	/
Bottom Side	10mm	18700/1860	20M QPSK 50%RB#50	0.489	0.280	-0.17	21.58	22.70	0.633	Battery 1#	Yes
Bottom Side	10mm	19100/1900	20M QPSK 1RB#99	0.473	0.269	-0.05	21.33	22.70	0.648	Battery 2#	/
Bottom Side	10mm	18700/1860	20M QPSK 1RB#99	0.420	0.236	-0.13	21.20	22.70	0.593	Battery 1#	/
Bottom Side	10mm	18900/1880	20M QPSK 1RB#99	0.415	0.232	-0.11	21.32	22.70	0.570	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Top Side	10mm	18700/1860	20M QPSK 50%RB#25	0.158	0.085	0.00	16.68	17.70	0.200	Battery 2#	Yes
Main Antenna											
Bottom Side	10mm	19100/1900	20M QPSK 1RB#99	0.173	0.097	0.01	21.33	22.70	0.237	Battery 2#	/

Table 156: Hotspot SAR test results of LTE Band 2

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without power reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Front Side	10mm	18900/1880	20M QPSK 1RB#99	0.046	0.026	0.12	16.40	21.70	0.156	Yes
Back Side	10mm	18900/1880	20M QPSK 1RB#99	0.074	0.040	0.19	16.40	21.70	0.250	Yes
Left Side	10mm	18900/1880	20M QPSK 1RB#99	0.021	0.011	0.12	16.40	21.70	0.072	Yes
Top Side	10mm	18900/1880	20M QPSK 1RB#99	0.102	0.055	0.02	16.40	21.70	0.346	Yes
Front Side	10mm	18700/1860	20M QPSK 50%RB#25	0.052	0.029	-0.07	16.68	21.70	0.165	Yes
Back Side	10mm	18700/1860	20M QPSK 50%RB#25	0.098	0.053	-0.14	16.68	21.70	0.312	Yes
Left Side	10mm	18700/1860	20M QPSK 50%RB#25	0.022	0.012	0.15	16.68	21.70	0.068	Yes
Top Side	10mm	18700/1860	20M QPSK 50%RB#25	0.134	0.072	-0.07	16.68	21.70	0.426	Yes
Top Side	10mm	18700/1860	20M QPSK 50%RB#25	0.135	0.073	0.17	16.68	21.70	0.429	Yes
Top Side	10mm	18900/1880	20M QPSK 50%RB#0	0.113	0.060	0.13	16.54	21.70	0.371	Yes
Top Side	10mm	19100/1900	20M QPSK 50%RB#50	0.092	0.049	0.11	16.59	21.70	0.298	Yes
Main Antenna										
Front Side	10mm	19100/1900	20M QPSK 1RB#99	0.217	0.124	-0.18	21.33	24.70	0.471	Yes
Back Side	10mm	19100/1900	20M QPSK 1RB#99	0.283	0.182	-0.04	21.33	24.70	0.615	Yes
Right Side	10mm	19100/1900	20M QPSK 1RB#99	0.140	0.077	0.18	21.33	24.70	0.304	Yes
Bottom Side	10mm	19100/1900	20M QPSK 1RB#99	0.459	0.260	0.04	21.33	24.70	0.997	Yes
Front Side	10mm	18700/1860	20M QPSK 50%RB#50	0.221	0.136	-0.08	21.58	23.70	0.360	Yes
Back Side	10mm	18700/1860	20M QPSK 50%RB#50	0.323	0.209	-0.19	21.58	23.70	0.526	Yes
Right Side	10mm	18700/1860	20M QPSK 50%RB#50	0.150	0.082	0.09	21.58	23.70	0.244	Yes
Bottom Side	10mm	18700/1860	20M QPSK 50%RB#50	0.489	0.280	-0.17	21.58	23.70	0.797	Yes
Bottom Side	10mm	19100/1900	20M QPSK 1RB#99	0.473	0.269	-0.05	21.33	24.70	1.028	Yes
Bottom Side	10mm	18700/1860	20M QPSK 1RB#99	0.420	0.236	-0.13	21.20	24.70	0.940	Yes
Bottom Side	10mm	18900/1880	20M QPSK 1RB#99	0.415	0.232	-0.11	21.32	24.70	0.904	Yes
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Top Side	10mm	18700/1860	20M QPSK 50%RB#25	0.158	0.085	0.00	16.68	21.70	0.502	Yes
Main Antenna										
Bottom Side	10mm	19100/1900	20M QPSK 1RB#99	0.173	0.097	0.01	21.33	24.70	0.376	Yes

Table 157: Product Specific 10-g SAR test reduction evaluation of LTE Band 2

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

### 7.2.7 SAR measurement Result of LTE Band 4

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Left cheek	20050/1720	20M QPSK 1RB#0	0.168	0.083	-0.17	14.24	15.20	0.210	Battery 1#	/
Left tilt	20050/1720	20M QPSK 1RB#0	0.200	0.106	-0.18	14.24	15.20	0.249	Battery 1#	/
Right cheek	20050/1720	20M QPSK 1RB#0	0.191	0.096	0.04	14.24	15.20	0.238	Battery 1#	/
Right tilt	20050/1720	20M QPSK 1RB#0	0.174	0.087	0.16	14.24	15.20	0.217	Battery 1#	/
Left cheek	20050/1720	20M QPSK 50%RB#0	0.180	0.089	0.11	14.45	15.20	0.214	Battery 1#	/
Left tilt	20050/1720	20M QPSK 50%RB#0	0.222	0.109	0.07	14.45	15.20	0.264	Battery 1#	Yes
Right cheek	20050/1720	20M QPSK 50%RB#0	0.209	0.105	0.18	14.45	15.20	0.248	Battery 1#	/
Right tilt	20050/1720	20M QPSK 50%RB#0	0.176	0.089	0.10	14.45	15.20	0.209	Battery 1#	/
Left tilt	20050/1720	20M QPSK 50%RB#0	0.150	0.075	0.18	14.45	15.20	0.178	Battery 2#	/
Left tilt	20175/1732.5	20M QPSK 50%RB#50	0.188	0.094	0.08	14.43	15.20	0.224	Battery 1#	/
Left tilt	20300/1745	20M QPSK 50%RB#50	0.198	0.097	0.18	14.25	15.20	0.246	Battery 1#	/
Main Antenna										
Left cheek	20300/1745	20M QPSK 1RB#99	0.217	0.139	0.19	24.13	25.20	0.278	Battery 1#	/
Left tilt	20300/1745	20M QPSK 1RB#99	0.122	0.071	0.03	24.13	25.20	0.156	Battery 1#	/
Right cheek	20300/1745	20M QPSK 1RB#99	0.158	0.097	0.10	24.13	25.20	0.202	Battery 1#	/
Right tilt	20300/1745	20M QPSK 1RB#99	0.112	0.065	0.05	24.13	25.20	0.143	Battery 1#	/
Left cheek	20050/1720	20M QPSK 50%RB#0	0.189	0.121	0.15	23.31	24.20	0.232	Battery 1#	/
Left tilt	20050/1720	20M QPSK 50%RB#0	0.093	0.053	0.06	23.31	24.20	0.114	Battery 1#	/
Right cheek	20050/1720	20M QPSK 50%RB#0	0.149	0.097	0.07	23.31	24.20	0.183	Battery 1#	/
Right tilt	20050/1720	20M QPSK 50%RB#0	0.108	0.069	0.02	23.31	24.20	0.133	Battery 1#	/
Left cheek	20300/1745	20M QPSK 1RB#99	0.191	0.125	-0.03	24.13	25.20	0.244	Battery 2#	/
Left cheek	20050/1720	20M QPSK 1RB#50	0.244	0.156	-0.03	23.92	25.20	0.328	Battery 1#	Yes
Left cheek	20175/1732.5	20M QPSK 1RB#0	0.241	0.155	0.06	23.96	25.20	0.321	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Left tilt	20050/1720	20M QPSK 50%RB#0	0.172	0.084	0.12	14.45	15.20	0.204	Battery 1#	/
Main Antenna										
Left cheek	20050/1720	20M QPSK 1RB#50	0.136	0.068	0.19	23.92	25.20	0.183	Battery 1#	/

Table 158: Head SAR test results of LTE Band 4

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	15mm	20175/1732.5	20M QPSK 1RB#50	0.111	0.068	0.00	21.20	22.20	0.140	Battery 1#	/
Back Side	15mm	20175/1732.5	20M QPSK 1RB#50	0.202	0.119	0.05	21.20	22.20	0.254	Battery 1#	/
Front Side	15mm	20175/1732.5	20M QPSK 50%RB#0	0.126	0.077	0.12	21.45	22.20	0.150	Battery 1#	/
Back Side	15mm	20175/1732.5	20M QPSK 50%RB#0	0.227	0.134	0.18	21.45	22.20	0.270	Battery 1#	/
Back Side	15mm	20175/1732.5	20M QPSK 50%RB#0	0.207	0.123	0.12	21.45	22.20	0.246	Battery 2#	/
Back Side	15mm	20050/1720	20M QPSK 50%RB#0	0.240	0.143	-0.14	21.35	22.20	0.292	Battery 1#	Yes
Back Side	15mm	20300/1745	20M QPSK 50%RB#50	0.225	0.133	-0.10	21.32	22.20	0.276	Battery 1#	/
Main Antenna											
Front Side	15mm	20300/1745	20M QPSK 1RB#99	0.299	0.200	-0.13	24.13	25.20	0.383	Battery 1#	/
Back Side	15mm	20300/1745	20M QPSK 1RB#99	0.404	0.266	-0.12	24.13	25.20	0.517	Battery 1#	/
Front Side	15mm	20050/1720	20M QPSK 50%RB#0	0.273	0.180	-0.12	23.31	24.20	0.335	Battery 1#	/
Back Side	15mm	20050/1720	20M QPSK 50%RB#0	0.368	0.244	-0.19	23.31	24.20	0.452	Battery 1#	/
Back Side	15mm	20300/1745	20M QPSK 1RB#99	0.419	0.274	-0.09	24.13	25.20	0.536	Battery 2#	Yes
Back Side	15mm	20050/1720	20M QPSK 1RB#50	0.413	0.271	-0.16	23.92	25.20	0.555	Battery 2#	/
Back Side	15mm	20175/1732.5	20M QPSK 1RB#0	0.416	0.273	-0.14	23.96	25.20	0.553	Battery 2#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Back Side	15mm	20050/1720	20M QPSK 50%RB#0	0.113	0.067	-0.04	21.35	22.20	0.137	Battery 1#	/
Main Antenna											
Back Side	15mm	20050/1720	20M QPSK 1RB#50	0.220	0.137	0.07	23.92	25.20	0.295	Battery 2#	/

Table 159: Body-Worn SAR test results of LTE Band 4

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	10mm	20300/1745	20M QPSK 1RB#50	0.113	0.062	-0.06	18.17	19.20	0.143	Battery 1#	/
Back Side	10mm	20300/1745	20M QPSK 1RB#50	0.225	0.122	0.08	18.17	19.20	0.285	Battery 1#	/
Left Side	10mm	20300/1745	20M QPSK 1RB#50	0.044	0.026	-0.19	18.17	19.20	0.055	Battery 1#	/
Top Side	10mm	20300/1745	20M QPSK 1RB#50	0.270	0.148	-0.13	18.17	19.20	0.342	Battery 1#	/
Front Side	10mm	20300/1745	20M QPSK 50%RB#0	0.162	0.092	0.04	18.39	19.20	0.195	Battery 1#	/
Back Side	10mm	20300/1745	20M QPSK 50%RB#0	0.200	0.116	-0.01	18.39	19.20	0.241	Battery 1#	/
Left Side	10mm	20300/1745	20M QPSK 50%RB#0	0.046	0.026	0.08	18.39	19.20	0.056	Battery 1#	/
Top Side	10mm	20300/1745	20M QPSK 50%RB#0	0.280	0.155	0.06	18.39	19.20	0.337	Battery 1#	Yes
Top Side	10mm	20300/1745	20M QPSK 1RB#50	0.253	0.140	-0.10	18.17	19.20	0.321	Battery 2#	/
Top Side	10mm	20050/1720	20M QPSK 1RB#99	0.239	0.134	0.18	18.15	19.20	0.304	Battery 1#	/
Top Side	10mm	20175/1732.5	20M QPSK 1RB#99	0.256	0.129	-0.05	18.01	19.20	0.337	Battery 1#	/
Main Antenna											
Front Side	10mm	20300/1745	20M QPSK 1RB#0	0.279	0.182	-0.16	21.10	22.20	0.359	Battery 1#	/
Back Side	10mm	20300/1745	20M QPSK 1RB#0	0.370	0.241	-0.09	21.10	22.20	0.477	Battery 1#	/
Right Side	10mm	20300/1745	20M QPSK 1RB#0	0.163	0.085	-0.10	21.10	22.20	0.210	Battery 1#	/
Bottom Side	10mm	20300/1745	20M QPSK 1RB#0	0.229	0.133	0.02	21.10	22.20	0.295	Battery 1#	/
Front Side	10mm	20300/1745	20M QPSK 50%RB#0	0.273	0.180	0.04	21.33	22.20	0.334	Battery 1#	/
Back Side	10mm	20300/1745	20M QPSK 50%RB#0	0.375	0.244	-0.13	21.33	22.20	0.458	Battery 1#	Yes
Right Side	10mm	20300/1745	20M QPSK 50%RB#0	0.182	0.093	-0.05	21.33	22.20	0.222	Battery 1#	/
Bottom Side	10mm	20300/1745	20M QPSK 50%RB#0	0.236	0.130	0.03	21.33	22.20	0.288	Battery 1#	/
Back Side	10mm	20300/1745	20M QPSK 1RB#0	0.331	0.217	-0.16	21.10	22.20	0.426	Battery 2#	/
Back Side	10mm	20050/1720	20M QPSK 1RB#0	0.305	0.201	-0.13	20.95	22.20	0.407	Battery 1#	/
Back Side	10mm	20175/1732.5	20M QPSK 1RB#0	0.326	0.214	-0.09	20.93	22.20	0.437	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Top Side	10mm	20300/1745	20M QPSK 1RB#50	0.222	0.119	-0.10	18.17	19.20	0.281	Battery 1#	/
Main Antenna											
Back Side	10mm	20300/1745	20M QPSK 1RB#0	0.209	0.120	-0.05	21.10	22.20	0.269	Battery 1#	/

Table 160: Hotspot SAR test results of LTE Band 4



Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without power reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Front Side	10mm	20300/1745	20M QPSK 1RB#50	0.113	0.062	-0.06	18.17	22.20	0.286	Yes
Back Side	10mm	20300/1745	20M QPSK 1RB#50	0.225	0.122	0.08	18.17	22.20	0.569	Yes
Left Side	10mm	20300/1745	20M QPSK 1RB#50	0.044	0.026	-0.19	18.17	22.20	0.110	Yes
Top Side	10mm	20300/1745	20M QPSK 1RB#50	0.270	0.148	-0.13	18.17	22.20	0.683	Yes
Front Side	10mm	20300/1745	20M QPSK 50%RB#0	0.162	0.092	0.04	18.39	22.20	0.390	Yes
Back Side	10mm	20300/1745	20M QPSK 50%RB#0	0.200	0.116	-0.01	18.39	22.20	0.481	Yes
Left Side	10mm	20300/1745	20M QPSK 50%RB#0	0.046	0.026	0.08	18.39	22.20	0.112	Yes
Top Side	10mm	20300/1745	20M QPSK 50%RB#0	0.280	0.155	0.06	18.39	22.20	0.673	Yes
Top Side	10mm	20300/1745	20M QPSK 1RB#50	0.253	0.140	-0.10	18.17	22.20	0.640	Yes
Top Side	10mm	20050/1720	20M QPSK 1RB#99	0.239	0.134	0.18	18.15	22.20	0.607	Yes
Top Side	10mm	20175/1732.5	20M QPSK 1RB#99	0.256	0.129	-0.05	18.01	22.20	0.672	Yes
Main Antenna										
Front Side	10mm	20300/1745	20M QPSK 1RB#0	0.279	0.182	-0.16	21.10	25.20	0.717	Yes
Back Side	10mm	20300/1745	20M QPSK 1RB#0	0.370	0.241	-0.09	21.10	25.20	0.951	Yes
Right Side	10mm	20300/1745	20M QPSK 1RB#0	0.163	0.085	-0.10	21.10	25.20	0.419	Yes
Bottom Side	10mm	20300/1745	20M QPSK 1RB#0	0.229	0.133	0.02	21.10	25.20	0.589	Yes
Front Side	10mm	20300/1745	20M QPSK 50%RB#0	0.273	0.180	0.04	21.33	24.20	0.529	Yes
Back Side	10mm	20300/1745	20M QPSK 50%RB#0	0.375	0.244	-0.13	21.33	24.20	0.726	Yes
Right Side	10mm	20300/1745	20M QPSK 50%RB#0	0.182	0.093	-0.05	21.33	24.20	0.352	Yes
Bottom Side	10mm	20300/1745	20M QPSK 50%RB#0	0.236	0.130	0.03	21.33	24.20	0.457	Yes
Back Side	10mm	20300/1745	20M QPSK 1RB#0	0.331	0.217	-0.16	21.10	25.20	0.851	Yes
Back Side	10mm	20050/1720	20M QPSK 1RB#0	0.305	0.201	-0.13	20.95	25.20	0.812	Yes
Back Side	10mm	20175/1732.5	20M QPSK 1RB#0	0.326	0.214	-0.09	20.93	25.20	0.871	Yes
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Top Side	10mm	20300/1745	20M QPSK 1RB#50	0.222	0.119	-0.10	18.17	22.20	0.562	Yes
Main Antenna										
Back Side	10mm	20300/1745	20M QPSK 1RB#0	0.209	0.120	-0.05	21.10	25.20	0.537	Yes

Table 161: Product Specific 10-g SAR test reduction evaluation of LTE Band 4

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

## 7.2.8 SAR measurement Result of LTE Band 5

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Left cheek	20450/829	10M QPSK 1RB#0	0.243	0.121	0.12	17.77	18.70	0.301	Battery 1#	/
Left tilt	20450/829	10M QPSK 1RB#0	0.246	0.119	0.02	17.77	18.70	0.305	Battery 1#	/
Right cheek	20450/829	10M QPSK 1RB#0	0.301	0.159	-0.07	17.77	18.70	0.373	Battery 1#	/
Right tilt	20450/829	10M QPSK 1RB#0	0.275	0.134	-0.12	17.77	18.70	0.341	Battery 1#	/
Left cheek	20450/829	10M QPSK 50%RB#25	0.273	0.136	0.04	17.77	18.70	0.338	Battery 1#	/
Left tilt	20450/829	10M QPSK 50%RB#25	0.274	0.132	-0.08	17.77	18.70	0.339	Battery 1#	/
Right cheek	20450/829	10M QPSK 50%RB#25	0.253	0.134	-0.02	17.77	18.70	0.313	Battery 1#	/
Right tilt	20450/829	10M QPSK 50%RB#25	0.231	0.111	0.12	17.77	18.70	0.286	Battery 1#	/
Right cheek	20450/829	10M QPSK 1RB#0	0.293	0.149	-0.05	17.77	18.70	0.363	Battery 2#	/
Right cheek	20525/836.5	10M QPSK 1RB#49	0.348	0.177	-0.06	17.71	18.70	0.437	Battery 1#	Yes
Right cheek	20600/844	10M QPSK 1RB#0	0.340	0.174	-0.05	17.71	18.70	0.427	Battery 1#	/
Main Antenna										
Left cheek	20525/836.5	10M QPSK 1RB#0	0.115	0.084	-0.06	23.92	25.00	0.147	Battery 1#	/
Left tilt	20525/836.5	10M QPSK 1RB#0	0.055	0.042	0.18	23.92	25.00	0.071	Battery 1#	/
Right cheek	20525/836.5	10M QPSK 1RB#0	0.115	0.091	-0.04	23.92	25.00	0.147	Battery 1#	/
Right tilt	20525/836.5	10M QPSK 1RB#0	0.051	0.039	-0.09	23.92	25.00	0.065	Battery 1#	/
Left cheek	20600/844	10M QPSK 50%RB#13	0.083	0.055	0.15	22.96	24.00	0.106	Battery 1#	/
Left tilt	20600/844	10M QPSK 50%RB#13	0.037	0.028	0.08	22.96	24.00	0.048	Battery 1#	/
Right cheek	20600/844	10M QPSK 50%RB#13	0.072	0.056	0.11	22.96	24.00	0.091	Battery 1#	/
Right tilt	20600/844	10M QPSK 50%RB#13	0.029	0.023	-0.01	22.96	24.00	0.037	Battery 1#	/
Right cheek	20525/836.5	10M QPSK 1RB#0	0.117	0.093	0.02	23.92	25.00	0.150	Battery 2#	Yes
Right cheek	20450/829	10M QPSK 1RB#0	0.116	0.092	0.05	23.78	25.00	0.154	Battery 2#	/
Right cheek	20600/844	10M QPSK 1RB#25	0.092	0.073	0.02	23.90	25.00	0.119	Battery 2#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Right cheek	20525/836.5	10M QPSK 1RB#49	0.313	0.160	0.04	17.71	18.70	0.393	Battery 1#	/
Main Antenna										
Right cheek	20450/829	10M QPSK 1RB#0	0.044	0.035	0.14	23.78	25.00	0.058	Battery 2#	/

Table 162: Head SAR test results of LTE Band 5

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	15mm	20600/844	10M QPSK 1RB#0	0.135	0.091	-0.06	23.87	24.70	0.163	Battery 1#	/
Back Side	15mm	20600/844	10M QPSK 1RB#0	0.189	0.132	-0.05	23.87	24.70	0.229	Battery 1#	Yes
Front Side	15mm	20600/844	10M QPSK 50%RB#0	0.132	0.088	0.06	22.85	23.70	0.161	Battery 1#	/
Back Side	15mm	20600/844	10M QPSK 50%RB#0	0.159	0.104	-0.07	22.85	23.70	0.193	Battery 1#	/
Back Side	15mm	20600/844	10M QPSK 1RB#0	0.177	0.123	-0.09	23.87	24.70	0.214	Battery 2#	/
Back Side	15mm	20450/829	10M QPSK 1RB#0	0.115	0.077	-0.10	23.61	24.70	0.148	Battery 1#	/
Back Side	15mm	20525/836.5	10M QPSK 1RB#0	0.133	0.089	-0.08	23.67	24.70	0.169	Battery 1#	/
Main Antenna											
Front Side	15mm	20525/836.5	10M QPSK 1RB#0	0.230	0.158	-0.16	23.92	25.00	0.295	Battery 1#	/
Back Side	15mm	20525/836.5	10M QPSK 1RB#0	0.339	0.243	-0.08	23.92	25.00	0.435	Battery 1#	Yes
Front Side	15mm	20600/844	10M QPSK 50%RB#13	0.179	0.123	-0.16	22.96	24.00	0.227	Battery 1#	/
Back Side	15mm	20600/844	10M QPSK 50%RB#13	0.206	0.161	0.05	22.96	24.00	0.262	Battery 1#	/
Back Side	15mm	20525/836.5	10M QPSK 1RB#0	0.324	0.232	-0.19	23.92	25.00	0.415	Battery 2#	/
Back Side	15mm	20450/829	10M QPSK 1RB#0	0.303	0.207	0.02	23.78	25.00	0.401	Battery 1#	/
Back Side	15mm	20600/844	10M QPSK 1RB#25	0.297	0.213	-0.11	23.90	25.00	0.383	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Back Side	15mm	20600/844	10M QPSK 1RB#0	0.162	0.113	-0.15	23.87	24.70	0.196	Battery 1#	/
Main Antenna											
Back Side	15mm	20525/836.5	10M QPSK 1RB#0	0.119	0.086	-0.12	23.92	25.00	0.153	Battery 1#	/

Table 163: Body-Worn SAR test results of LTE Band 5

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	10mm	20525/836.5	10M QPSK 1RB#0	0.137	0.084	-0.06	20.33	21.20	0.167	Battery 1#	/
Back Side	10mm	20525/836.5	10M QPSK 1RB#0	0.149	0.081	0.00	20.33	21.20	0.182	Battery 1#	/
Left Side	10mm	20525/836.5	10M QPSK 1RB#0	0.085	0.056	0.03	20.33	21.20	0.103	Battery 1#	/
Right Side	10mm	20525/836.5	10M QPSK 1RB#0	0.010	0.007	0.19	20.33	21.20	0.013	Battery 1#	/
Top Side	10mm	20525/836.5	10M QPSK 1RB#0	0.122	0.055	-0.16	20.33	21.20	0.149	Battery 1#	/
Front Side	10mm	20600/844	10M QPSK 50%RB#0	0.137	0.075	0.00	20.33	21.20	0.167	Battery 1#	/
Back Side	10mm	20600/844	10M QPSK 50%RB#0	0.151	0.082	-0.08	20.33	21.20	0.184	Battery 1#	/
Left Side	10mm	20600/844	10M QPSK 50%RB#0	0.047	0.032	-0.02	20.33	21.20	0.058	Battery 1#	/
Right Side	10mm	20600/844	10M QPSK 50%RB#0	0.014	0.009	0.09	20.33	21.20	0.017	Battery 1#	/
Top Side	10mm	20600/844	10M QPSK 50%RB#0	0.136	0.061	-0.14	20.33	21.20	0.166	Battery 1#	/
Back Side	10mm	20600/844	10M QPSK 50%RB#0	0.152	0.083	-0.08	20.33	21.20	0.186	Battery 2#	Yes
Back Side	10mm	20450/829	10M QPSK 50%RB#13	0.130	0.081	-0.09	20.11	21.20	0.167	Battery 2#	/
Back Side	10mm	20525/836.5	10M QPSK 50%RB#0	0.138	0.075	-0.09	20.22	21.20	0.173	Battery 2#	/
Main Antenna											
Front Side	10mm	20525/836.5	10M QPSK 1RB#0	0.337	0.211	-0.01	23.92	25.00	0.432	Battery 1#	/
Back Side	10mm	20525/836.5	10M QPSK 1RB#0	0.415	0.243	-0.17	23.92	25.00	0.532	Battery 1#	/
Left Side	10mm	20525/836.5	10M QPSK 1RB#0	0.337	0.186	0.05	23.92	25.00	0.432	Battery 1#	/
Bottom Side	10mm	20525/836.5	10M QPSK 1RB#0	0.240	0.150	-0.09	23.92	25.00	0.308	Battery 1#	/
Front Side	10mm	20600/844	10M QPSK 50%RB#13	0.224	0.140	-0.06	22.96	24.00	0.285	Battery 1#	/
Back Side	10mm	20600/844	10M QPSK 50%RB#13	0.303	0.200	-0.01	22.96	24.00	0.385	Battery 1#	/
Left Side	10mm	20600/844	10M QPSK 50%RB#13	0.250	0.138	0.19	22.96	24.00	0.318	Battery 1#	/
Bottom Side	10mm	20600/844	10M QPSK 50%RB#13	0.160	0.100	-0.07	22.96	24.00	0.203	Battery 1#	/
Back Side	10mm	20525/836.5	10M QPSK 1RB#0	0.406	0.239	-0.03	23.92	25.00	0.521	Battery 2#	/
Back Side	10mm	20450/829	10M QPSK 1RB#0	0.439	0.309	0.06	23.78	25.00	0.581	Battery 1#	Yes
Back Side	10mm	20600/844	10M QPSK 1RB#25	0.382	0.225	-0.10	23.90	25.00	0.492	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Back Side	10mm	20600/844	10M QPSK 50%RB#0	0.131	0.087	-0.05	20.33	21.20	0.160	Battery 2#	/
Main Antenna											
Back Side	10mm	20450/829	10M QPSK 1RB#0	0.180	0.129	-0.09	23.78	25.00	0.238	Battery 1#	/

Table 164: Hotspot SAR test results of LTE Band 5

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without power reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Front Side	10mm	20525/836.5	10M QPSK 1RB#0	0.137	0.084	-0.06	20.33	24.70	0.375	Yes
Back Side	10mm	20525/836.5	10M QPSK 1RB#0	0.149	0.081	0.00	20.33	24.70	0.408	Yes
Left Side	10mm	20525/836.5	10M QPSK 1RB#0	0.085	0.056	0.03	20.33	24.70	0.231	Yes
Right Side	10mm	20525/836.5	10M QPSK 1RB#0	0.010	0.007	0.19	20.33	24.70	0.028	Yes
Top Side	10mm	20525/836.5	10M QPSK 1RB#0	0.122	0.055	-0.16	20.33	24.70	0.334	Yes
Front Side	10mm	20600/844	10M QPSK 50%RB#0	0.137	0.075	0.00	20.33	23.70	0.298	Yes
Back Side	10mm	20600/844	10M QPSK 50%RB#0	0.151	0.082	-0.08	20.33	23.70	0.328	Yes
Left Side	10mm	20600/844	10M QPSK 50%RB#0	0.047	0.032	-0.02	20.33	23.70	0.103	Yes
Right Side	10mm	20600/844	10M QPSK 50%RB#0	0.014	0.009	0.09	20.33	23.70	0.030	Yes
Top Side	10mm	20600/844	10M QPSK 50%RB#0	0.136	0.061	-0.14	20.33	23.70	0.295	Yes
Back Side	10mm	20600/844	10M QPSK 50%RB#0	0.152	0.083	-0.08	20.33	23.70	0.330	Yes
Back Side	10mm	20450/829	10M QPSK 50%RB#13	0.130	0.081	-0.09	20.11	23.70	0.297	Yes
Back Side	10mm	20525/836.5	10M QPSK 50%RB#0	0.138	0.075	-0.09	20.22	23.70	0.308	Yes
Main Antenna										
Front Side	10mm	20525/836.5	10M QPSK 1RB#0	0.337	0.211	-0.01	23.92	25.00	0.432	Yes
Back Side	10mm	20525/836.5	10M QPSK 1RB#0	0.415	0.243	-0.17	23.92	25.00	0.532	Yes
Left Side	10mm	20525/836.5	10M QPSK 1RB#0	0.337	0.186	0.05	23.92	25.00	0.432	Yes
Bottom Side	10mm	20525/836.5	10M QPSK 1RB#0	0.240	0.150	-0.09	23.92	25.00	0.308	Yes
Front Side	10mm	20600/844	10M QPSK 50%RB#13	0.224	0.140	-0.06	22.96	24.00	0.285	Yes
Back Side	10mm	20600/844	10M QPSK 50%RB#13	0.303	0.200	-0.01	22.96	24.00	0.385	Yes
Left Side	10mm	20600/844	10M QPSK 50%RB#13	0.250	0.138	0.19	22.96	24.00	0.318	Yes
Bottom Side	10mm	20600/844	10M QPSK 50%RB#13	0.160	0.100	-0.07	22.96	24.00	0.203	Yes
Back Side	10mm	20525/836.5	10M QPSK 1RB#0	0.406	0.239	-0.03	23.92	25.00	0.521	Yes
Back Side	10mm	20450/829	10M QPSK 1RB#0	0.439	0.309	0.06	23.78	25.00	0.581	Yes
Back Side	10mm	20600/844	10M QPSK 1RB#25	0.382	0.225	-0.10	23.90	25.00	0.492	Yes
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Back Side	10mm	20600/844	10M QPSK 50%RB#0	0.131	0.087	-0.05	20.33	21.20	0.160	Yes
Main Antenna										
Back Side	10mm	20450/829	10M QPSK 1RB#0	0.180	0.129	-0.09	23.78	25.00	0.238	Yes

Table 165: Product Specific 10-g SAR test reduction evaluation of LTE Band 5

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

### 7.2.9 SAR measurement Result of LTE Band 7

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Left cheek	21100/2535	20M QPSK 1RB#50	0.100	0.046	-0.16	12.95	13.70	0.119	Battery 1#	/
Left tilt	21100/2535	20M QPSK 1RB#50	0.109	0.050	-0.13	12.95	13.70	0.130	Battery 1#	/
Right cheek	21100/2535	20M QPSK 1RB#50	0.222	0.101	-0.19	12.95	13.70	0.264	Battery 1#	/
Right tilt	21100/2535	20M QPSK 1RB#50	0.244	0.066	-0.18	12.95	13.70	0.290	Battery 1#	/
Left cheek	21100/2535	20M QPSK 50%RB#25	0.092	0.042	-0.13	13.00	13.70	0.108	Battery 1#	/
Left tilt	21100/2535	20M QPSK 50%RB#25	0.116	0.053	-0.19	13.00	13.70	0.136	Battery 1#	/
Right cheek	21100/2535	20M QPSK 50%RB#25	0.139	0.074	-0.12	13.00	13.70	0.163	Battery 1#	/
Right tilt	21100/2535	20M QPSK 50%RB#25	0.187	0.083	-0.14	13.00	13.70	0.220	Battery 1#	/
Right tilt	21100/2535	20M QPSK 1RB#50	0.180	0.080	-0.19	12.95	13.70	0.214	Battery 2#	/
Right tilt	20850/2510	20M QPSK 1RB#0	0.158	0.072	-0.12	12.65	13.70	0.201	Battery 1#	/
Right tilt	21350/2560	20M QPSK 1RB#0	0.190	0.088	-0.19	12.85	13.70	0.231	Battery 1#	/
Right tilt	21100/2535(PCC)	20M QPSK 1RB#99	0.170	0.070	0.04	11.86	13.50	0.248	Battery 1#	/
	20902/2515.2(SCC)	20M QPSK 1RB#0								
Main Antenna										
Left cheek	21350/2560	20M QPSK 1RB#50	0.095	0.054	-0.02	23.85	24.70	0.115	Battery 1#	/
Left tilt	21350/2560	20M QPSK 1RB#50	0.068	0.036	0.18	23.85	24.70	0.083	Battery 1#	/
Right cheek	21350/2560	20M QPSK 1RB#50	0.190	0.105	-0.04	23.85	24.70	0.231	Battery 1#	Yes
Right tilt	21350/2560	20M QPSK 1RB#50	0.039	0.019	0.07	23.85	24.70	0.047	Battery 1#	/
Left cheek	21100/2535	20M QPSK 50%RB#25	0.079	0.040	-0.10	22.94	23.70	0.094	Battery 1#	/
Left tilt	21100/2535	20M QPSK 50%RB#25	0.052	0.026	-0.18	22.94	23.70	0.061	Battery 1#	/
Right cheek	21100/2535	20M QPSK 50%RB#25	0.148	0.074	0.13	22.94	23.70	0.176	Battery 1#	/
Right tilt	21100/2535	20M QPSK 50%RB#25	0.033	0.016	-0.06	22.94	23.70	0.039	Battery 1#	/
Right cheek	21350/2560	20M QPSK 1RB#50	0.185	0.102	0.03	23.85	24.70	0.225	Battery 2#	/
Right cheek	20850/2510	20M QPSK 1RB#50	0.185	0.103	0.15	23.59	24.70	0.239	Battery 1#	/
Right cheek	21100/2535	20M QPSK 1RB#0	0.188	0.104	-0.12	23.73	24.70	0.235	Battery 1#	/
Right cheek	21100/2535(PCC)	20M QPSK 1RB#99	0.156	0.081	0.05	22.52	24.50	0.246	Battery 1#	/
	21298/2554.8(SCC)	20M QPSK 1RB#0								
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Right tilt	21100/2535	20M QPSK 1RB#50	0.286	0.135	0.06	12.95	13.70	0.340	Battery 1#	Yes
Main Antenna										
Right cheek	21100/2535(PCC)	20M QPSK 1RB#99	0.141	0.075	0.11	22.52	24.50	0.222	Battery 1#	/
	21298/2554.8(SCC)	20M QPSK 1RB#0								

Table 166: Head SAR test results of LTE Band 7

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	15mm	21100/2535	20M QPSK 1RB#0	0.052	0.028	-0.17	19.51	20.20	0.061	Battery 1#	/
Back Side	15mm	21100/2535	20M QPSK 1RB#0	0.056	0.032	-0.17	19.51	20.20	0.066	Battery 1#	/
Front Side	15mm	21350/2560	20M QPSK 50%RB#0	0.056	0.030	-0.09	19.77	20.20	0.061	Battery 1#	/
Back Side	15mm	21350/2560	20M QPSK 50%RB#0	0.062	0.036	-0.15	19.77	20.20	0.068	Battery 1#	/
Back Side	15mm	21350/2560	20M QPSK 50%RB#0	0.072	0.042	-0.13	19.77	20.20	0.079	Battery 2#	/
Back Side	15mm	20850/2510	20M QPSK 50%RB#50	0.065	0.038	-0.17	19.53	20.20	0.075	Battery 2#	/
Back Side	15mm	21100/2535	20M QPSK 50%RB#50	0.033	0.011	0.00	19.72	20.20	0.037	Battery 2#	/
Back Side	15mm	21350/2560(PCC)	20M QPSK 1RB#0	0.070	0.041	0.11	18.25	20.00	0.105	Battery 2#	/
		21152/2540.2(SCC)	20M QPSK 1RB#99								
Main Antenna											
Front Side	15mm	21350/2560	20M QPSK 1RB#50	0.130	0.071	-0.19	23.85	24.70	0.158	Battery 1#	/
Back Side	15mm	21350/2560	20M QPSK 1RB#50	0.229	0.127	-0.11	23.85	24.70	0.279	Battery 1#	/
Front Side	15mm	21100/2535	20M QPSK 50%RB#25	0.120	0.065	0.19	22.94	23.70	0.143	Battery 1#	/
Back Side	15mm	21100/2535	20M QPSK 50%RB#25	0.213	0.118	-0.09	22.94	23.70	0.254	Battery 1#	/
Back Side	15mm	21350/2560	20M QPSK 1RB#50	0.236	0.131	-0.15	23.85	24.70	0.287	Battery 2#	/
Back Side	15mm	20850/2510	20M QPSK 1RB#50	0.260	0.146	-0.14	23.59	24.70	0.336	Battery 2#	/
Back Side	15mm	21100/2535	20M QPSK 1RB#0	0.260	0.146	-0.18	23.73	24.70	0.325	Battery 2#	/
Back Side	15mm	21100/2535(PCC)	20M QPSK 1RB#99	0.261	0.122	-0.07	22.52	24.50	0.412	Battery 2#	Yes
		21298/2554.8(SCC)	20M QPSK 1RB#0								
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Back Side	15mm	21350/2560(PCC)	20M QPSK 1RB#0	0.127	0.066	-0.11	19.77	20.20	0.140	Battery 2#	Yes
		21152/2540.2(SCC)	20M QPSK 1RB#99								
Main Antenna											
Back Side	15mm	21100/2535(PCC)	20M QPSK 1RB#99	0.081	0.041	-0.05	22.52	24.50	0.128	Battery 2#	/
		21298/2554.8(SCC)	20M QPSK 1RB#0								

Table 167: Body-Worn SAR test results of LTE Band 7

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	10mm	21350/2560	20M QPSK 1RB#99	0.092	0.047	0.15	16.82	17.70	0.113	Battery 1#	/
Back Side	10mm	21350/2560	20M QPSK 1RB#99	0.180	0.091	-0.16	16.82	17.70	0.220	Battery 1#	/
Left Side	10mm	21350/2560	20M QPSK 1RB#99	0.112	0.042	-0.08	16.82	17.70	0.137	Battery 1#	/
Top Side	10mm	21350/2560	20M QPSK 1RB#99	0.451	0.229	0.04	16.82	17.70	0.552	Battery 1#	/
Front Side	10mm	21350/2560	20M QPSK 50%RB#50	0.117	0.057	-0.16	17.17	17.70	0.132	Battery 1#	/
Back Side	10mm	21350/2560	20M QPSK 50%RB#50	0.164	0.080	0.09	17.17	17.70	0.185	Battery 1#	/
Left Side	10mm	21350/2560	20M QPSK 50%RB#50	0.119	0.044	-0.12	17.17	17.70	0.134	Battery 1#	/
Top Side	10mm	21350/2560	20M QPSK 50%RB#50	0.510	0.259	-0.08	17.17	17.70	0.576	Battery 1#	Yes
Top Side	10mm	21350/2560	20M QPSK 50%RB#50	0.441	0.225	-0.01	17.17	17.70	0.498	Battery 2#	/
Top Side	10mm	20850/2510	20M QPSK 50%RB#50	0.404	0.204	-0.19	16.93	17.70	0.482	Battery 2#	/
Top Side	10mm	21100/2535	20M QPSK 50%RB#50	0.419	0.216	-0.08	17.09	17.70	0.482	Battery 2#	/
Top Side	10mm	21350/2560(PCC)	20M QPSK 1RB#0	0.408	0.207	0.15	16.32	17.50	0.535	Battery 2#	/
		21152/2540.2(SCC)	20M QPSK 1RB#99								
Main Antenna											
Front Side	10mm	21350/2560	20M QPSK 1RB#99	0.167	0.084	0.18	21.28	22.20	0.206	Battery 1#	/
Back Side	10mm	21350/2560	20M QPSK 1RB#99	0.251	0.136	-0.16	21.28	22.20	0.310	Battery 1#	/
Right Side	10mm	21350/2560	20M QPSK 1RB#99	0.078	0.040	0.07	21.28	22.20	0.097	Battery 1#	/
Bottom Side	10mm	21350/2560	20M QPSK 1RB#99	0.441	0.218	-0.04	21.28	22.20	0.545	Battery 1#	/
Front Side	10mm	21100/2535	20M QPSK 50%RB#50	0.191	0.096	-0.08	21.41	22.20	0.229	Battery 1#	/
Back Side	10mm	21100/2535	20M QPSK 50%RB#50	0.266	0.144	0.02	21.41	22.20	0.319	Battery 1#	/
Right Side	10mm	21100/2535	20M QPSK 50%RB#50	0.085	0.043	-0.09	21.41	22.20	0.102	Battery 1#	/
Bottom Side	10mm	21100/2535	20M QPSK 50%RB#50	0.469	0.233	-0.11	21.41	22.20	0.563	Battery 1#	/
Bottom Side	10mm	21100/2535	20M QPSK 50%RB#50	0.466	0.232	0.03	21.41	22.20	0.559	Battery 2#	/
Bottom Side	10mm	20850/2510	20M QPSK 50%RB#50	0.444	0.223	-0.12	21.23	22.20	0.555	Battery 1#	/
Bottom Side	10mm	21350/2560	20M QPSK 50%RB#50	0.423	0.210	-0.07	21.39	22.20	0.510	Battery 1#	/
Bottom Side	10mm	21350/2560(PCC)	20M QPSK 1RB#0	0.504	0.250	0.12	21.00	22.00	0.634	Battery 1#	Yes
		21152/2540.2(SCC)	20M QPSK 1RB#99								
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Top Side	10mm	21350/2560	20M QPSK 50%RB#50	0.103	0.054	-0.04	17.17	17.70	0.116	Battery 1#	/
Main Antenna											
Bottom Side	10mm	21350/2560(PCC)	20M QPSK 1RB#0	0.085	0.041	-0.03	21.00	22.00	0.107	Battery 1#	/
		21152/2540.2(SCC)	20M QPSK 1RB#99								

Table 168: Hotspot SAR test results of LTE Band 7



Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without power reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Front Side	10mm	21350/2560	20M QPSK 1RB#99	0.092	0.047	0.15	16.82	20.20	0.201	Yes
Back Side	10mm	21350/2560	20M QPSK 1RB#99	0.180	0.091	-0.16	16.82	20.20	0.392	Yes
Left Side	10mm	21350/2560	20M QPSK 1RB#99	0.112	0.042	-0.08	16.82	20.20	0.244	Yes
Top Side	10mm	21350/2560	20M QPSK 1RB#99	0.451	0.229	0.04	16.82	20.20	0.982	Yes
Front Side	10mm	21350/2560	20M QPSK 50%RB#50	0.117	0.057	-0.16	17.17	20.20	0.235	Yes
Back Side	10mm	21350/2560	20M QPSK 50%RB#50	0.164	0.080	0.09	17.17	20.20	0.329	Yes
Left Side	10mm	21350/2560	20M QPSK 50%RB#50	0.119	0.044	-0.12	17.17	20.20	0.239	Yes
Top Side	10mm	21350/2560	20M QPSK 50%RB#50	0.510	0.259	-0.08	17.17	20.20	1.025	Yes
Top Side	10mm	21350/2560	20M QPSK 50%RB#50	0.441	0.225	-0.01	17.17	20.20	0.886	Yes
Top Side	10mm	20850/2510	20M QPSK 50%RB#50	0.404	0.204	-0.19	16.93	20.20	0.858	Yes
Top Side	10mm	21100/2535	20M QPSK 50%RB#50	0.419	0.216	-0.08	17.09	20.20	0.857	Yes
Top Side	10mm	21350/2560(PCC)	20M QPSK 1RB#0	0.408	0.207	0.15	16.32	20.20	0.997	Yes
		21152/2540.2(SCC)	20M QPSK 1RB#99							
Main Antenna										
Front Side	10mm	21350/2560	20M QPSK 1RB#99	0.167	0.084	0.18	21.28	24.70	0.367	Yes
Back Side	10mm	21350/2560	20M QPSK 1RB#99	0.251	0.136	-0.16	21.28	24.70	0.552	Yes
Right Side	10mm	21350/2560	20M QPSK 1RB#99	0.078	0.040	0.07	21.28	24.70	0.172	Yes
Bottom Side	10mm	21350/2560	20M QPSK 1RB#99	0.441	0.218	-0.04	21.28	24.70	0.969	Yes
Front Side	10mm	21100/2535	20M QPSK 50%RB#50	0.191	0.096	-0.08	21.41	23.70	0.324	Yes
Back Side	10mm	21100/2535	20M QPSK 50%RB#50	0.266	0.144	0.02	21.41	23.70	0.451	Yes
Right Side	10mm	21100/2535	20M QPSK 50%RB#50	0.085	0.043	-0.09	21.41	23.70	0.144	Yes
Bottom Side	10mm	21100/2535	20M QPSK 50%RB#50	0.469	0.233	-0.11	21.41	24.70	1.000	Yes
Bottom Side	10mm	21100/2535	20M QPSK 50%RB#50	0.466	0.232	0.03	21.41	24.70	0.994	Yes
Bottom Side	10mm	20850/2510	20M QPSK 50%RB#50	0.444	0.223	-0.12	21.23	24.70	0.987	Yes
Bottom Side	10mm	21350/2560	20M QPSK 50%RB#50	0.423	0.210	-0.07	21.39	24.70	0.906	Yes
Bottom Side	10mm	21350/2560(PCC)	20M QPSK 1RB#0	0.504	0.250	0.12	21.00	24.50	1.128	Yes
		21152/2540.2(SCC)	20M QPSK 1RB#99							
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Top Side	10mm	21350/2560	20M QPSK 50%RB#50	0.103	0.054	-0.04	17.17	20.20	0.207	Yes
Main Antenna										
Bottom Side	10mm	21350/2560(PCC)	20M QPSK 1RB#0	0.085	0.041	-0.03	21.00	24.70	0.198	Yes
		21152/2540.2(SCC)	20M QPSK 1RB#99							

Table 169: Product Specific 10-g SAR test reduction evaluation of LTE Band 7

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

### 7.2.10 SAR measurement Result of LTE Band 12

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Left cheek	23095/707.5	10M QPSK 1RB#0	0.200	0.096	0.06	21.91	22.70	0.240	Battery 1#	/
Left tilt	23095/707.5	10M QPSK 1RB#0	0.156	0.075	0.16	21.91	22.70	0.187	Battery 1#	/
Right cheek	23095/707.5	10M QPSK 1RB#0	0.258	0.122	-0.05	21.91	22.70	0.309	Battery 1#	/
Right tilt	23095/707.5	10M QPSK 1RB#0	0.405	0.160	0.13	21.91	22.70	0.486	Battery 1#	/
Left cheek	23095/707.5	10M QPSK 50%RB#0	0.216	0.104	-0.05	21.87	22.70	0.261	Battery 1#	/
Left tilt	23095/707.5	10M QPSK 50%RB#0	0.167	0.080	-0.08	21.87	22.70	0.202	Battery 1#	/
Right cheek	23095/707.5	10M QPSK 50%RB#0	0.307	0.141	-0.05	21.87	22.70	0.372	Battery 1#	/
Right tilt	23095/707.5	10M QPSK 50%RB#0	0.279	0.119	0.05	21.87	22.70	0.338	Battery 1#	/
Right tilt	23095/707.5	10M QPSK 1RB#0	0.369	0.170	-0.03	21.91	22.70	0.443	Battery 2#	/
Right tilt	23060/704	10M QPSK 1RB#49	0.347	0.138	0.07	21.72	22.70	0.435	Battery 1#	/
Right tilt	23130/711	10M QPSK 1RB#49	0.438	0.174	-0.03	21.90	22.70	0.527	Battery 1#	Yes
Main Antenna										
Left cheek	23130/711	10M QPSK 1RB#49	0.132	0.086	-0.03	24.00	25.00	0.166	Battery 1#	Yes
Left tilt	23130/711	10M QPSK 1RB#49	0.055	0.039	0.18	24.00	25.00	0.069	Battery 1#	/
Right cheek	23130/711	10M QPSK 1RB#49	0.110	0.088	-0.14	24.00	25.00	0.138	Battery 1#	/
Right tilt	23130/711	10M QPSK 1RB#49	0.046	0.036	0.16	24.00	25.00	0.057	Battery 1#	/
Left cheek	23130/711	10M QPSK 50%RB#0	0.105	0.072	0.15	22.99	24.00	0.132	Battery 1#	/
Left tilt	23130/711	10M QPSK 50%RB#0	0.049	0.034	0.08	22.99	24.00	0.061	Battery 1#	/
Right cheek	23130/711	10M QPSK 50%RB#0	0.107	0.085	0.00	22.99	24.00	0.135	Battery 1#	/
Right tilt	23130/711	10M QPSK 50%RB#0	0.037	0.029	0.07	22.99	24.00	0.047	Battery 1#	/
Left cheek	23130/711	10M QPSK 1RB#49	0.124	0.079	0.02	24.00	25.00	0.156	Battery 2#	/
Left cheek	23060/704	10M QPSK 1RB#49	0.105	0.068	0.11	23.89	25.00	0.136	Battery 1#	/
Left cheek	23095/707.5	10M QPSK 1RB#49	0.111	0.071	0.05	23.93	25.00	0.142	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Right tilt	23130/711	10M QPSK 1RB#49	0.290	0.144	0.01	21.90	22.70	0.349	Battery 1#	/
Main Antenna										
Left cheek	23130/711	10M QPSK 1RB#49	0.063	0.040	0.04	24.00	25.00	0.080	Battery 1#	/

Table 170: Head SAR test results of LTE Band 12

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	15mm	23130/711	10M QPSK 1RB#49	0.078	0.052	0.02	23.69	24.70	0.099	Battery 1#	/
Back Side	15mm	23130/711	10M QPSK 1RB#49	0.079	0.055	-0.08	23.69	24.70	0.100	Battery 1#	/
Front Side	15mm	23095/707.5	10M QPSK 50%RB#25	0.047	0.032	-0.01	22.88	23.70	0.057	Battery 1#	/
Back Side	15mm	23095/707.5	10M QPSK 50%RB#25	0.054	0.037	-0.16	22.88	23.70	0.066	Battery 1#	/
Back Side	15mm	23130/711	10M QPSK 1RB#49	0.068	0.047	0.11	23.69	24.70	0.086	Battery 2#	/
Back Side	15mm	23060/704	10M QPSK 1RB#49	0.053	0.036	-0.03	23.44	24.70	0.071	Battery 1#	/
Back Side	15mm	23095/707.5	10M QPSK 1RB#0	0.037	0.025	-0.03	23.61	24.70	0.047	Battery 1#	/
Main Antenna											
Front Side	15mm	23130/711	10M QPSK 1RB#49	0.202	0.137	-0.09	24.00	25.00	0.254	Battery 1#	/
Back Side	15mm	23130/711	10M QPSK 1RB#49	0.291	0.204	-0.10	24.00	25.00	0.366	Battery 1#	Yes
Front Side	15mm	23130/711	10M QPSK 50%RB#0	0.174	0.118	-0.02	22.99	24.00	0.220	Battery 1#	/
Back Side	15mm	23130/711	10M QPSK 50%RB#0	0.218	0.156	-0.08	22.99	24.00	0.275	Battery 1#	/
Back Side	15mm	23130/711	10M QPSK 1RB#49	0.258	0.183	-0.10	24.00	25.00	0.325	Battery 2#	/
Back Side	15mm	23060/704	10M QPSK 1RB#49	0.281	0.178	-0.05	23.89	25.00	0.363	Battery 1#	/
Back Side	15mm	23095/707.5	10M QPSK 1RB#49	0.272	0.194	-0.10	23.93	25.00	0.348	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Back Side	15mm	23130/711	10M QPSK 1RB#49	0.148	0.106	-0.10	23.69	24.70	0.187	Battery 1#	Yes
Main Antenna											
Back Side	15mm	23130/711	10M QPSK 1RB#49	0.104	0.076	-0.06	24.00	25.00	0.131	Battery 1#	/

Table 171: Body-Worn SAR test results of LTE Band 12

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	10mm	23060/704	10M QPSK 1RB#49	0.084	0.047	-0.10	22.66	23.20	0.096	Battery 1#	/
Back Side	10mm	23060/704	10M QPSK 1RB#49	0.106	0.058	-0.08	22.66	23.20	0.120	Battery 1#	/
Left Side	10mm	23060/704	10M QPSK 1RB#49	0.030	0.021	-0.04	22.66	23.20	0.034	Battery 1#	/
Right Side	10mm	23060/704	10M QPSK 1RB#49	0.012	0.008	0.17	22.66	23.20	0.014	Battery 1#	/
Top Side	10mm	23060/704	10M QPSK 1RB#49	0.072	0.039	0.18	22.66	23.20	0.081	Battery 1#	/
Front Side	10mm	23095/707.5	10M QPSK 50%RB#13	0.084	0.047	-0.03	22.64	23.20	0.096	Battery 1#	/
Back Side	10mm	23095/707.5	10M QPSK 50%RB#13	0.097	0.054	-0.10	22.64	23.20	0.111	Battery 1#	/
Left Side	10mm	23095/707.5	10M QPSK 50%RB#13	0.028	0.020	0.07	22.64	23.20	0.032	Battery 1#	/
Right Side	10mm	23095/707.5	10M QPSK 50%RB#13	0.012	0.008	0.10	22.64	23.20	0.013	Battery 1#	/
Top Side	10mm	23095/707.5	10M QPSK 50%RB#13	0.069	0.037	0.19	22.64	23.20	0.078	Battery 1#	/
Back Side	10mm	23060/704	10M QPSK 1RB#49	0.105	0.058	-0.01	22.66	23.20	0.119	Battery 2#	/
Back Side	10mm	23095/707.5	10M QPSK 1RB#0	0.093	0.059	-0.03	22.63	23.20	0.105	Battery 1#	/
Back Side	10mm	23130/711	10M QPSK 1RB#0	0.125	0.069	-0.02	22.62	23.20	0.143	Battery 1#	/
Main Antenna											
Front Side	10mm	23130/711	10M QPSK 1RB#49	0.347	0.228	-0.12	24.00	25.00	0.437	Battery 1#	/
Back Side	10mm	23130/711	10M QPSK 1RB#49	0.441	0.260	-0.09	24.00	25.00	0.555	Battery 1#	/
Left Side	10mm	23130/711	10M QPSK 1RB#49	0.456	0.239	0.05	24.00	25.00	0.574	Battery 1#	Yes
Bottom Side	10mm	23130/711	10M QPSK 1RB#49	0.142	0.091	-0.05	24.00	25.00	0.179	Battery 1#	/
Front Side	10mm	23130/711	10M QPSK 50%RB#0	0.312	0.205	0.06	22.99	24.00	0.394	Battery 1#	/
Back Side	10mm	23130/711	10M QPSK 50%RB#0	0.400	0.269	-0.06	22.99	24.00	0.505	Battery 1#	/
Left Side	10mm	23130/711	10M QPSK 50%RB#0	0.388	0.236	0.09	22.99	24.00	0.490	Battery 1#	/
Bottom Side	10mm	23130/711	10M QPSK 50%RB#0	0.123	0.078	0.00	22.99	24.00	0.155	Battery 1#	/
Left Side	10mm	23130/711	10M QPSK 1RB#49	0.387	0.203	-0.11	24.00	25.00	0.487	Battery 2#	/
Left Side	10mm	23060/704	10M QPSK 1RB#49	0.402	0.211	0.13	23.89	25.00	0.519	Battery 1#	/
Left Side	10mm	23095/707.5	10M QPSK 1RB#49	0.391	0.204	-0.04	23.93	25.00	0.500	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Back Side	10mm	23130/711	10M QPSK 1RB#0	0.148	0.087	-0.11	22.62	23.20	0.169	Battery 1#	Yes
Main Antenna											
Left Side	10mm	23130/711	10M QPSK 1RB#49	0.103	0.056	-0.12	24.00	25.00	0.130	Battery 1#	/

Table 172: Hotspot SAR test results of LTE Band 12

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without power reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Front Side	10mm	23060/704	10M QPSK 1RB#49	0.084	0.047	-0.10	22.66	24.70	0.135	Yes
Back Side	10mm	23060/704	10M QPSK 1RB#49	0.106	0.058	-0.08	22.66	24.70	0.170	Yes
Left Side	10mm	23060/704	10M QPSK 1RB#49	0.030	0.021	-0.04	22.66	24.70	0.048	Yes
Right Side	10mm	23060/704	10M QPSK 1RB#49	0.012	0.008	0.17	22.66	24.70	0.019	Yes
Top Side	10mm	23060/704	10M QPSK 1RB#49	0.072	0.039	0.18	22.66	24.70	0.114	Yes
Front Side	10mm	23095/707.5	10M QPSK 50%RB#13	0.084	0.047	-0.03	22.64	23.70	0.107	Yes
Back Side	10mm	23095/707.5	10M QPSK 50%RB#13	0.097	0.054	-0.10	22.64	23.70	0.124	Yes
Left Side	10mm	23095/707.5	10M QPSK 50%RB#13	0.028	0.020	0.07	22.64	23.70	0.036	Yes
Right Side	10mm	23095/707.5	10M QPSK 50%RB#13	0.012	0.008	0.10	22.64	23.70	0.015	Yes
Top Side	10mm	23095/707.5	10M QPSK 50%RB#13	0.069	0.037	0.19	22.64	23.70	0.087	Yes
Back Side	10mm	23060/704	10M QPSK 1RB#49	0.105	0.058	-0.01	22.66	24.70	0.168	Yes
Back Side	10mm	23095/707.5	10M QPSK 1RB#0	0.093	0.059	-0.03	22.63	24.70	0.149	Yes
Back Side	10mm	23130/711	10M QPSK 1RB#0	0.125	0.069	-0.02	22.62	24.70	0.202	Yes
Main Antenna										
Front Side	10mm	23130/711	10M QPSK 1RB#49	0.347	0.228	-0.12	24.00	25.00	0.437	Yes
Back Side	10mm	23130/711	10M QPSK 1RB#49	0.441	0.260	-0.09	24.00	25.00	0.555	Yes
Left Side	10mm	23130/711	10M QPSK 1RB#49	0.456	0.239	0.05	24.00	25.00	0.574	Yes
Bottom Side	10mm	23130/711	10M QPSK 1RB#49	0.142	0.091	-0.05	24.00	25.00	0.179	Yes
Front Side	10mm	23130/711	10M QPSK 50%RB#0	0.312	0.205	0.06	22.99	24.00	0.394	Yes
Back Side	10mm	23130/711	10M QPSK 50%RB#0	0.400	0.269	-0.06	22.99	24.00	0.505	Yes
Left Side	10mm	23130/711	10M QPSK 50%RB#0	0.388	0.236	0.09	22.99	24.00	0.490	Yes
Bottom Side	10mm	23130/711	10M QPSK 50%RB#0	0.123	0.078	0.00	22.99	24.00	0.155	Yes
Left Side	10mm	23130/711	10M QPSK 1RB#49	0.387	0.203	-0.11	24.00	25.00	0.487	Yes
Left Side	10mm	23060/704	10M QPSK 1RB#49	0.402	0.211	0.13	23.89	25.00	0.519	Yes
Left Side	10mm	23095/707.5	10M QPSK 1RB#49	0.391	0.204	-0.04	23.93	25.00	0.500	Yes
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Back Side	10mm	23130/711	10M QPSK 1RB#0	0.148	0.087	-0.11	22.62	24.70	0.239	Yes
Main Antenna										
Left Side	10mm	23130/711	10M QPSK 1RB#49	0.103	0.056	-0.12	24.00	25.00	0.130	Yes

Table 173: Product Specific 10-g SAR test reduction evaluation of LTE Band 12

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

### 7.2.11 SAR measurement Result of LTE Band 17

SAR for **LTE Band 17 Main Antenna**(Frequency range:704-716 MHz) is covered by LTE Band 12 (Frequency range:699-716 MHz) due to similar frequency range,same maximum tune up limit and same channel bandwidth.

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Left cheek	23780/709	10M QPSK 1RB#0	0.316	0.183	-0.07	22.10	22.70	0.363	Battery 1#	/
Left tilt	23780/709	10M QPSK 1RB#0	0.291	0.170	-0.11	22.10	22.70	0.334	Battery 1#	/
Right cheek	23780/709	10M QPSK 1RB#0	0.284	0.133	-0.03	22.10	22.70	0.326	Battery 1#	/
Right tilt	23780/709	10M QPSK 1RB#0	0.343	0.141	-0.09	22.10	22.70	0.394	Battery 1#	/
Left cheek	23780/709	10M QPSK 50%RB#0	0.339	0.197	-0.06	22.12	22.70	0.387	Battery 1#	/
Left tilt	23780/709	10M QPSK 50%RB#0	0.309	0.180	-0.15	22.12	22.70	0.353	Battery 1#	/
Right cheek	23780/709	10M QPSK 50%RB#0	0.307	0.143	-0.07	22.12	22.70	0.351	Battery 1#	/
Right tilt	23780/709	10M QPSK 50%RB#0	0.370	0.152	-0.10	22.12	22.70	0.423	Battery 1#	Yes
Right tilt	23780/709	10M QPSK 50%RB#0	0.304	0.141	-0.19	22.12	22.70	0.347	Battery 2#	/
Right tilt	23790/710	10M QPSK 50%RB#0	0.329	0.153	-0.19	22.11	22.70	0.377	Battery 1#	/
Right tilt	23800/711	10M QPSK 50%RB#0	0.323	0.151	-0.09	22.08	22.70	0.373	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Right tilt	23780/709	10M QPSK 50%RB#0	0.309	0.151	-0.01	22.12	22.70	0.353	Battery 1#	/

Table 174: Head SAR test results of LTE Band 17

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	15mm	23800/711	10M QPSK 1RB#49	0.054	0.038	0.02	24.05	24.70	0.062	Battery 1#	/
Back Side	15mm	23800/711	10M QPSK 1RB#49	0.059	0.043	-0.12	24.05	24.70	0.069	Battery 1#	/
Front Side	15mm	23790/710	10M QPSK 50%RB#0	0.035	0.023	-0.18	23.13	23.70	0.039	Battery 1#	/
Back Side	15mm	23790/710	10M QPSK 50%RB#0	0.038	0.026	0.01	23.13	23.70	0.043	Battery 1#	/
Back Side	15mm	23800/711	10M QPSK 1RB#49	0.057	0.042	-0.01	24.05	24.70	0.066	Battery 2#	/
Back Side	15mm	23780/709	10M QPSK 1RB#49	0.038	0.014	-0.05	23.82	24.70	0.046	Battery 1#	/
Back Side	15mm	23790/710	10M QPSK 1RB#49	0.049	0.036	-0.17	23.92	24.70	0.059	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Back Side	15mm	23800/711	10M QPSK 1RB#49	0.142	0.102	-0.17	24.05	24.70	0.165	Battery 1#	Yes

Table 175: Body-Worn SAR test results of LTE Band 17

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	10mm	23800/711	10M QPSK 1RB#49	0.109	0.061	0.13	24.05	24.70	0.126	Battery 1#	/
Back Side	10mm	23800/711	10M QPSK 1RB#49	0.114	0.066	-0.05	24.05	24.70	0.132	Battery 1#	/
Left Side	10mm	23800/711	10M QPSK 1RB#49	0.039	0.026	-0.02	24.05	24.70	0.045	Battery 1#	/
Right Side	10mm	23800/711	10M QPSK 1RB#49	0.017	0.011	-0.16	24.05	24.70	0.020	Battery 1#	/
Top Side	10mm	23800/711	10M QPSK 1RB#49	0.090	0.043	-0.06	24.05	24.70	0.104	Battery 1#	/
Front Side	10mm	23790/710	10M QPSK 50%RB#0	0.071	0.044	-0.12	23.13	23.70	0.081	Battery 1#	/
Back Side	10mm	23790/710	10M QPSK 50%RB#0	0.075	0.047	-0.06	23.13	23.70	0.086	Battery 1#	/
Left Side	10mm	23790/710	10M QPSK 50%RB#0	0.020	0.013	-0.02	23.13	23.70	0.023	Battery 1#	/
Right Side	10mm	23790/710	10M QPSK 50%RB#0	0.009	0.006	-0.17	23.13	23.70	0.011	Battery 1#	/
Top Side	10mm	23790/710	10M QPSK 50%RB#0	0.051	0.025	-0.07	23.13	23.70	0.058	Battery 1#	/
Back Side	10mm	23800/711	10M QPSK 1RB#49	0.121	0.070	-0.02	24.05	24.70	0.140	Battery 2#	/
Back Side	10mm	23780/709	10M QPSK 1RB#49	0.096	0.056	0.01	23.82	24.70	0.117	Battery 2#	/
Back Side	10mm	23790/710	10M QPSK 1RB#49	0.115	0.067	0.01	23.92	24.70	0.138	Battery 2#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Back Side	10mm	23800/711	10M QPSK 1RB#49	0.214	0.126	-0.10	24.05	24.70	0.248	Battery 2#	Yes

Table 176: Hotspot SAR test results of LTE Band 17

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without power reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Front Side	10mm	23800/711	10M QPSK 1RB#49	0.109	0.061	0.13	24.05	24.70	0.126	Yes
Back Side	10mm	23800/711	10M QPSK 1RB#49	0.114	0.066	-0.05	24.05	24.70	0.132	Yes
Left Side	10mm	23800/711	10M QPSK 1RB#49	0.039	0.026	-0.02	24.05	24.70	0.045	Yes
Right Side	10mm	23800/711	10M QPSK 1RB#49	0.017	0.011	-0.16	24.05	24.70	0.020	Yes
Top Side	10mm	23800/711	10M QPSK 1RB#49	0.090	0.043	-0.06	24.05	24.70	0.104	Yes
Front Side	10mm	23790/710	10M QPSK 50%RB#0	0.071	0.044	-0.12	23.13	23.70	0.081	Yes
Back Side	10mm	23790/710	10M QPSK 50%RB#0	0.075	0.047	-0.06	23.13	23.70	0.086	Yes
Left Side	10mm	23790/710	10M QPSK 50%RB#0	0.020	0.013	-0.02	23.13	23.70	0.023	Yes
Right Side	10mm	23790/710	10M QPSK 50%RB#0	0.009	0.006	-0.17	23.13	23.70	0.011	Yes
Top Side	10mm	23790/710	10M QPSK 50%RB#0	0.051	0.025	-0.07	23.13	23.70	0.058	Yes
Back Side	10mm	23800/711	10M QPSK 1RB#49	0.121	0.070	-0.02	24.05	24.70	0.140	Yes
Back Side	10mm	23780/709	10M QPSK 1RB#49	0.096	0.056	0.01	23.82	24.70	0.117	Yes
Back Side	10mm	23790/710	10M QPSK 1RB#49	0.115	0.067	0.01	23.92	24.70	0.138	Yes
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Back Side	10mm	23800/711	10M QPSK 1RB#49	0.214	0.150	-0.10	24.05	24.70	0.248	Yes

Table 177: Product Specific 10-g SAR test reduction evaluation of LTE Band 17

Note: Per KDB 648474 D04, Product Specific 10-g SAR test is not required for this frequency band since hotspot mode 1-g reported SAR < 1.2 W/kg



### 7.2.12 SAR measurement Result of LTE Band 26

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Left cheek	26965/841.5	15M QPSK 1RB#74	0.307	0.150	0.15	18.27	19.40	0.398	Battery 1#	/
Left tilt	26965/841.5	15M QPSK 1RB#74	0.253	0.123	-0.12	18.27	19.40	0.328	Battery 1#	/
Right cheek	26965/841.5	15M QPSK 1RB#74	0.375	0.191	-0.02	18.27	19.40	0.486	Battery 1#	Yes
Right tilt	26965/841.5	15M QPSK 1RB#74	0.365	0.219	-0.04	18.27	19.40	0.473	Battery 1#	/
Left cheek	26865/831.5	15M QPSK 50%RB#0	0.229	0.132	0.08	18.35	19.40	0.292	Battery 1#	/
Left tilt	26865/831.5	15M QPSK 50%RB#0	0.210	0.121	-0.10	18.35	19.40	0.267	Battery 1#	/
Right cheek	26865/831.5	15M QPSK 50%RB#0	0.358	0.217	-0.02	18.35	19.40	0.456	Battery 1#	/
Right tilt	26865/831.5	15M QPSK 50%RB#0	0.320	0.192	-0.03	18.35	19.40	0.408	Battery 1#	/
Right cheek	26965/841.5	15M QPSK 1RB#74	0.322	0.170	-0.01	18.27	19.40	0.418	Battery 2#	/
Right cheek	26765/821.5	15M QPSK 1RB#38	0.221	0.115	-0.12	18.22	19.40	0.290	Battery 1#	/
Right cheek	26865/831.5	15M QPSK 1RB#38	0.313	0.164	-0.09	18.25	19.40	0.408	Battery 1#	/
Main Antenna										
Left cheek	26865/831.5	15M QPSK 1RB#0	0.108	0.070	0.08	23.93	25.20	0.145	Battery 1#	/
Left tilt	26865/831.5	15M QPSK 1RB#0	0.070	0.054	-0.04	23.93	25.20	0.094	Battery 1#	/
Right cheek	26865/831.5	15M QPSK 1RB#0	0.142	0.112	0.14	23.93	25.20	0.190	Battery 1#	Yes
Right tilt	26865/831.5	15M QPSK 1RB#0	0.064	0.050	0.08	23.93	25.20	0.086	Battery 1#	/
Left cheek	26865/831.5	15M QPSK 50%RB#18	0.082	0.053	0.18	22.85	24.20	0.112	Battery 1#	/
Left tilt	26865/831.5	15M QPSK 50%RB#18	0.047	0.036	0.07	22.85	24.20	0.065	Battery 1#	/
Right cheek	26865/831.5	15M QPSK 50%RB#18	0.103	0.081	0.05	22.85	24.20	0.141	Battery 1#	/
Right tilt	26865/831.5	15M QPSK 50%RB#18	0.048	0.038	0.02	22.85	24.20	0.065	Battery 1#	/
Right cheek	26865/831.5	15M QPSK 1RB#0	0.138	0.108	0.05	23.93	25.20	0.185	Battery 2#	/
Right cheek	26765/821.5	15M QPSK 1RB#0	0.124	0.097	0.10	23.91	25.20	0.167	Battery 1#	/
Right cheek	26965/841.5	15M QPSK 1RB#0	0.126	0.099	0.06	23.86	25.20	0.172	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Right cheek	26965/841.5	15M QPSK 1RB#74	0.306	0.160	0.16	18.27	19.40	0.397	Battery 1#	/
Main Antenna										
Right cheek	26865/831.5	15M QPSK 1RB#0	0.053	0.041	0.06	23.93	25.20	0.071	Battery 1#	/

Table 178: Head SAR test results of LTE Band 26

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	15mm	26765/821.5	15M QPSK 1RB#74	0.097	0.064	-0.11	23.69	24.90	0.128	Battery 1#	/
Back Side	15mm	26765/821.5	15M QPSK 1RB#74	0.109	0.079	-0.14	23.69	24.90	0.144	Battery 1#	/
Front Side	15mm	26965/841.5	15M QPSK 50%RB#18	0.096	0.064	-0.14	22.89	23.90	0.121	Battery 1#	/
Back Side	15mm	26965/841.5	15M QPSK 50%RB#18	0.122	0.088	-0.10	22.89	23.90	0.154	Battery 1#	/
Back Side	15mm	26965/841.5	15M QPSK 50%RB#18	0.119	0.087	-0.08	22.89	23.90	0.150	Battery 2#	/
Back Side	15mm	26765/821.5	15M QPSK 50%RB#0	0.073	0.053	-0.18	22.54	23.90	0.099	Battery 1#	/
Back Side	15mm	26865/831.5	15M QPSK 50%RB#39	0.109	0.079	-0.12	22.81	23.90	0.140	Battery 1#	/
Main Antenna											
Front Side	15mm	26865/831.5	15M QPSK 1RB#0	0.212	0.169	-0.05	23.93	25.20	0.284	Battery 1#	/
Back Side	15mm	26865/831.5	15M QPSK 1RB#0	0.292	0.220	-0.05	23.93	25.20	0.391	Battery 1#	/
Front Side	15mm	26865/831.5	15M QPSK 50%RB#18	0.166	0.114	-0.03	22.85	24.20	0.227	Battery 1#	/
Back Side	15mm	26865/831.5	15M QPSK 50%RB#18	0.214	0.146	-0.05	22.85	24.20	0.292	Battery 1#	/
Back Side	15mm	26865/831.5	15M QPSK 1RB#0	0.304	0.230	-0.07	23.93	25.20	0.407	Battery 2#	Yes
Back Side	15mm	26765/821.5	15M QPSK 1RB#0	0.286	0.216	-0.06	23.91	25.20	0.385	Battery 2#	/
Back Side	15mm	26965/841.5	15M QPSK 1RB#0	0.288	0.218	-0.06	23.86	25.20	0.392	Battery 2#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Back Side	15mm	26965/841.5	15M QPSK 50%RB#18	0.134	0.093	-0.17	22.89	23.90	0.169	Battery 1#	Yes
Main Antenna											
Back Side	15mm	26865/831.5	15M QPSK 1RB#0	0.118	0.085	-0.08	23.93	25.20	0.158	Battery 2#	/

Table 179: Body-Worn SAR test results of LTE Band 26

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	10mm	26865/831.5	15M QPSK 1RB#38	0.122	0.074	-0.09	21.13	21.90	0.146	Battery 1#	/
Back Side	10mm	26865/831.5	15M QPSK 1RB#38	0.125	0.073	-0.13	21.13	21.90	0.149	Battery 1#	/
Left Side	10mm	26865/831.5	15M QPSK 1RB#38	0.068	0.045	-0.12	21.13	21.90	0.082	Battery 1#	/
Right Side	10mm	26865/831.5	15M QPSK 1RB#38	0.007	0.005	-0.16	21.13	21.90	0.008	Battery 1#	/
Top Side	10mm	26865/831.5	15M QPSK 1RB#38	0.078	0.043	-0.01	21.13	21.90	0.093	Battery 1#	/
Front Side	10mm	26865/831.5	15M QPSK 50%RB#39	0.127	0.071	-0.15	21.15	21.90	0.151	Battery 1#	/
Back Side	10mm	26865/831.5	15M QPSK 50%RB#39	0.134	0.079	-0.18	21.15	21.90	0.159	Battery 1#	/
Left Side	10mm	26865/831.5	15M QPSK 50%RB#39	0.074	0.048	-0.15	21.15	21.90	0.087	Battery 1#	/
Right Side	10mm	26865/831.5	15M QPSK 50%RB#39	0.009	0.006	-0.19	21.15	21.90	0.011	Battery 1#	/
Top Side	10mm	26865/831.5	15M QPSK 50%RB#39	0.083	0.047	-0.05	21.15	21.90	0.098	Battery 1#	/
Back Side	10mm	26865/831.5	15M QPSK 50%RB#39	0.165	0.084	-0.16	21.15	21.90	0.196	Battery 2#	/
Back Side	10mm	26765/821.5	15M QPSK 50%RB#39	0.116	0.067	-0.10	20.96	21.90	0.144	Battery 2#	/
Back Side	10mm	26965/841.5	15M QPSK 50%RB#39	0.166	0.096	-0.10	20.92	21.90	0.208	Battery 2#	Yes
Main Antenna											
Front Side	10mm	26865/831.5	15M QPSK 1RB#0	0.328	0.216	-0.16	23.93	25.20	0.439	Battery 1#	/
Back Side	10mm	26865/831.5	15M QPSK 1RB#0	0.437	0.324	-0.05	23.93	25.20	0.585	Battery 1#	Yes
Left Side	10mm	26865/831.5	15M QPSK 1RB#0	0.306	0.175	-0.19	23.93	25.20	0.410	Battery 1#	/
Bottom Side	10mm	26865/831.5	15M QPSK 1RB#0	0.239	0.152	-0.12	23.93	25.20	0.320	Battery 1#	/
Front Side	10mm	26865/831.5	15M QPSK 50%RB#18	0.257	0.166	-0.17	22.85	24.20	0.351	Battery 1#	/
Back Side	10mm	26865/831.5	15M QPSK 50%RB#18	0.358	0.231	-0.13	22.85	24.20	0.489	Battery 1#	/
Left Side	10mm	26865/831.5	15M QPSK 50%RB#18	0.255	0.144	-0.19	22.85	24.20	0.348	Battery 1#	/
Bottom Side	10mm	26865/831.5	15M QPSK 50%RB#18	0.187	0.121	-0.13	22.85	24.20	0.255	Battery 1#	/
Back Side	10mm	26865/831.5	15M QPSK 1RB#0	0.421	0.258	-0.06	23.93	25.20	0.564	Battery 2#	/
Back Side	10mm	26765/821.5	15M QPSK 1RB#0	0.406	0.300	-0.05	23.91	25.20	0.546	Battery 1#	/
Back Side	10mm	26965/841.5	15M QPSK 1RB#0	0.410	0.263	-0.14	23.86	25.20	0.558	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Back Side	10mm	26965/841.5	15M QPSK 50%RB#39	0.150	0.086	-0.13	20.92	21.90	0.188	Battery 2#	/
Main Antenna											
Back Side	10mm	26865/831.5	15M QPSK 1RB#0	0.176	0.125	-0.02	23.93	25.20	0.236	Battery 1#	/

Table 180: Hotspot SAR test results of LTE Band 26

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without power reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Front Side	10mm	26865/831.5	15M QPSK 1RB#38	0.122	0.074	-0.09	21.13	24.90	0.290	Yes
Back Side	10mm	26865/831.5	15M QPSK 1RB#38	0.125	0.073	-0.13	21.13	24.90	0.298	Yes
Left Side	10mm	26865/831.5	15M QPSK 1RB#38	0.068	0.045	-0.12	21.13	24.90	0.163	Yes
Right Side	10mm	26865/831.5	15M QPSK 1RB#38	0.007	0.005	-0.16	21.13	24.90	0.017	Yes
Top Side	10mm	26865/831.5	15M QPSK 1RB#38	0.078	0.043	-0.01	21.13	24.90	0.185	Yes
Front Side	10mm	26865/831.5	15M QPSK 50%RB#39	0.127	0.071	-0.15	21.15	23.90	0.239	Yes
Back Side	10mm	26865/831.5	15M QPSK 50%RB#39	0.134	0.079	-0.18	21.15	23.90	0.253	Yes
Left Side	10mm	26865/831.5	15M QPSK 50%RB#39	0.074	0.048	-0.15	21.15	23.90	0.139	Yes
Right Side	10mm	26865/831.5	15M QPSK 50%RB#39	0.009	0.006	-0.19	21.15	23.90	0.017	Yes
Top Side	10mm	26865/831.5	15M QPSK 50%RB#39	0.083	0.047	-0.05	21.15	23.90	0.156	Yes
Back Side	10mm	26865/831.5	15M QPSK 50%RB#39	0.165	0.084	-0.16	21.15	23.90	0.311	Yes
Back Side	10mm	26765/821.5	15M QPSK 50%RB#39	0.116	0.067	-0.10	20.96	23.90	0.228	Yes
Back Side	10mm	26965/841.5	15M QPSK 50%RB#39	0.166	0.096	-0.10	20.92	23.90	0.330	Yes
Main Antenna										
Front Side	10mm	26865/831.5	15M QPSK 1RB#0	0.328	0.216	-0.16	23.93	25.20	0.439	Yes
Back Side	10mm	26865/831.5	15M QPSK 1RB#0	0.437	0.324	-0.05	23.93	25.20	0.585	Yes
Left Side	10mm	26865/831.5	15M QPSK 1RB#0	0.306	0.175	-0.19	23.93	25.20	0.410	Yes
Bottom Side	10mm	26865/831.5	15M QPSK 1RB#0	0.239	0.152	-0.12	23.93	25.20	0.320	Yes
Front Side	10mm	26865/831.5	15M QPSK 50%RB#18	0.257	0.166	-0.17	22.85	24.20	0.351	Yes
Back Side	10mm	26865/831.5	15M QPSK 50%RB#18	0.358	0.231	-0.13	22.85	24.20	0.489	Yes
Left Side	10mm	26865/831.5	15M QPSK 50%RB#18	0.255	0.144	-0.19	22.85	24.20	0.348	Yes
Bottom Side	10mm	26865/831.5	15M QPSK 50%RB#18	0.187	0.121	-0.13	22.85	24.20	0.255	Yes
Back Side	10mm	26865/831.5	15M QPSK 1RB#0	0.421	0.258	-0.06	23.93	25.20	0.564	Yes
Back Side	10mm	26765/821.5	15M QPSK 1RB#0	0.406	0.300	-0.05	23.91	25.20	0.546	Yes
Back Side	10mm	26965/841.5	15M QPSK 1RB#0	0.410	0.263	-0.14	23.86	25.20	0.558	Yes
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Back Side	10mm	26965/841.5	15M QPSK 50%RB#39	0.150	0.086	-0.13	20.92	23.90	0.298	Yes
Main Antenna										
Back Side	10mm	26865/831.5	15M QPSK 1RB#0	0.176	0.125	-0.02	23.93	25.20	0.236	Yes

Table 181: Product Specific 10-g SAR test reduction evaluation of LTE Band 26

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

### 7.2.13 SAR measurement Result of LTE Band 38

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Left cheek	37850/2580	20M QPSK 1RB#99	0.121	0.056	-0.15	14.81	16.00	0.159	Battery 1#	/
Left tilt	37850/2580	20M QPSK 1RB#99	0.156	0.073	-0.12	14.81	16.00	0.205	Battery 1#	/
Right cheek	37850/2580	20M QPSK 1RB#99	0.266	0.134	-0.19	14.81	16.00	0.350	Battery 1#	/
Right tilt	37850/2580	20M QPSK 1RB#99	0.319	0.145	-0.11	14.81	16.00	0.420	Battery 1#	/
Left cheek	37850/2580	20M QPSK 50%RB#0	0.132	0.061	-0.16	14.93	16.00	0.169	Battery 1#	/
Left tilt	37850/2580	20M QPSK 50%RB#0	0.166	0.078	-0.07	14.93	16.00	0.212	Battery 1#	/
Right cheek	37850/2580	20M QPSK 50%RB#0	0.289	0.144	-0.17	14.93	16.00	0.370	Battery 1#	/
Right tilt	37850/2580	20M QPSK 50%RB#0	0.344	0.159	-0.14	14.93	16.00	0.440	Battery 1#	Yes
Right tilt	37850/2580	20M QPSK 50%RB#0	0.248	0.120	-0.17	14.93	16.00	0.317	Battery 2#	/
Right tilt	38000/2595	20M QPSK 50%RB#0	0.262	0.133	-0.08	14.89	16.00	0.338	Battery 1#	/
Right tilt	38150/2610	20M QPSK 50%RB#0	0.267	0.136	-0.19	14.91	16.00	0.343	Battery 1#	/
Right tilt	38150/2610(PCC)	20M QPSK 1RB#0	0.229	0.097	0.06	14.92	16.00	0.294	Battery 1#	/
	37952/2590.2(SCC)	20M QPSK 1RB#99								
Main Antenna										
Left cheek	37850/2580	20M QPSK 1RB#50	0.052	0.027	0.17	24.08	25.00	0.064	Battery 1#	/
Left tilt	37850/2580	20M QPSK 1RB#50	0.044	0.022	-0.19	24.08	25.00	0.054	Battery 1#	/
Right cheek	37850/2580	20M QPSK 1RB#50	0.129	0.071	0.10	24.08	25.00	0.159	Battery 1#	Yes
Right tilt	37850/2580	20M QPSK 1RB#50	0.024	0.011	-0.14	24.08	25.00	0.029	Battery 1#	/
Left cheek	38000/2595	20M QPSK 50%RB#25	0.046	0.024	-0.18	23.23	24.00	0.055	Battery 1#	/
Left tilt	38000/2595	20M QPSK 50%RB#25	0.041	0.020	-0.11	23.23	24.00	0.048	Battery 1#	/
Right cheek	38000/2595	20M QPSK 50%RB#25	0.074	0.038	-0.18	23.23	24.00	0.089	Battery 1#	/
Right tilt	38000/2595	20M QPSK 50%RB#25	0.022	0.011	-0.11	23.23	24.00	0.026	Battery 1#	/
Right cheek	37850/2580	20M QPSK 1RB#50	0.084	0.044	-0.10	24.08	25.00	0.104	Battery 2#	/
Right cheek	38000/2595	20M QPSK 1RB#0	0.064	0.035	-0.15	23.92	25.00	0.082	Battery 1#	/
Right cheek	38150/2610	20M QPSK 1RB#0	0.062	0.033	-0.17	23.93	25.00	0.079	Battery 1#	/
Right cheek	37850/2580(PCC)	20M QPSK 1RB#99	0.070	0.035	-0.03	23.01	25.00	0.111	Battery 1#	/
	38048/2599.8(SCC)	20M QPSK 1RB#0								
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Right tilt	37850/2580	20M QPSK 50%RB#0	0.315	0.141	0.13	14.93	16.00	0.403	Battery 1#	/
Main Antenna										
Right cheek	37850/2580	20M QPSK 1RB#50	0.086	0.045	0.05	24.08	25.00	0.107	Battery 1#	/

Table 182: Head SAR test results of LTE Band 38

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	15mm	37850/2580	20M QPSK 1RB#50	0.085	0.047	-0.09	21.74	23.00	0.114	Battery 1#	/
Back Side	15mm	37850/2580	20M QPSK 1RB#50	0.094	0.056	-0.19	21.74	23.00	0.126	Battery 1#	/
Front Side	15mm	38150/2610	20M QPSK 50%RB#50	0.099	0.055	-0.07	22.03	23.00	0.124	Battery 1#	/
Back Side	15mm	38150/2610	20M QPSK 50%RB#50	0.117	0.067	-0.07	22.03	23.00	0.146	Battery 1#	Yes
Back Side	15mm	38150/2610	20M QPSK 50%RB#50	0.088	0.052	-0.19	22.03	23.00	0.110	Battery 2#	/
Back Side	15mm	37850/2580	20M QPSK 50%RB#50	0.084	0.047	-0.11	22.02	23.00	0.105	Battery 1#	/
Back Side	15mm	38000/2595	20M QPSK 50%RB#50	0.090	0.050	-0.14	22.00	23.00	0.114	Battery 1#	/
Back Side	15mm	37850/2580(PCC)	20M QPSK 1RB#99	0.114	0.057	0.00	21.72	23.00	0.153	Battery 1#	/
		38048/2599.8(SCC)	20M QPSK 1RB#0								
Main Antenna											
Front Side	15mm	37850/2580	20M QPSK 1RB#50	0.085	0.047	0.03	24.08	25.00	0.105	Battery 1#	/
Back Side	15mm	37850/2580	20M QPSK 1RB#50	0.157	0.086	-0.13	24.08	25.00	0.194	Battery 1#	/
Front Side	15mm	38000/2595	20M QPSK 50%RB#25	0.082	0.045	0.03	23.23	24.00	0.098	Battery 1#	/
Back Side	15mm	38000/2595	20M QPSK 50%RB#25	0.142	0.078	-0.09	23.23	24.00	0.170	Battery 1#	/
Back Side	15mm	37850/2580	20M QPSK 1RB#50	0.153	0.084	-0.10	24.08	25.00	0.189	Battery 2#	/
Back Side	15mm	38000/2595	20M QPSK 1RB#0	0.160	0.088	0.02	23.92	25.00	0.205	Battery 1#	Yes
Back Side	15mm	38150/2610	20M QPSK 1RB#0	0.159	0.087	0.11	23.93	25.00	0.203	Battery 1#	/
Back Side	15mm	37850/2580(PCC)	20M QPSK 1RB#99	0.158	0.087	-0.10	23.01	25.00	0.250	Battery 1#	/
		38048/2599.8(SCC)	20M QPSK 1RB#0								
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Back Side	15mm	37850/2580(PCC)	20M QPSK 1RB#99	0.094	0.047	0.04	21.72	23.00	0.126	Battery 1#	/
		37850/2580(PCC)	20M QPSK 1RB#0								
Main Antenna											
Back Side	15mm	37850/2580(PCC)	20M QPSK 1RB#99	0.098	0.051	-0.15	23.01	25.00	0.154	Battery 1#	/
		38048/2599.8(SCC)	20M QPSK 1RB#0								

Table 183: Body-Worn SAR test results of LTE Band 38

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	10mm	38150/2610	20M QPSK 1RB#99	0.127	0.065	-0.12	20.44	21.50	0.162	Battery 1#	/
Back Side	10mm	38150/2610	20M QPSK 1RB#99	0.238	0.116	0.12	20.44	21.50	0.304	Battery 1#	/
Left Side	10mm	38150/2610	20M QPSK 1RB#99	0.127	0.046	0.19	20.44	21.50	0.162	Battery 1#	/
Top Side	10mm	38150/2610	20M QPSK 1RB#99	0.232	0.120	-0.06	20.44	21.50	0.296	Battery 1#	/
Front Side	10mm	38150/2610	20M QPSK 50%RB#0	0.127	0.064	-0.06	20.64	21.50	0.155	Battery 1#	/
Back Side	10mm	38150/2610	20M QPSK 50%RB#0	0.264	0.125	-0.01	20.64	21.50	0.322	Battery 1#	/
Left Side	10mm	38150/2610	20M QPSK 50%RB#0	0.150	0.056	-0.05	20.64	21.50	0.183	Battery 1#	/
Top Side	10mm	38150/2610	20M QPSK 50%RB#0	0.278	0.142	0.01	20.64	21.50	0.339	Battery 1#	/
Top Side	10mm	38150/2610	20M QPSK 50%RB#0	0.285	0.143	-0.11	20.64	21.50	0.347	Battery 2#	/
Top Side	10mm	37850/2580	20M QPSK 50%RB#0	0.257	0.129	-0.07	20.58	21.50	0.318	Battery 2#	/
Top Side	10mm	38000/2595	20M QPSK 50%RB#0	0.270	0.135	-0.06	20.51	21.50	0.339	Battery 2#	/
Top Side	10mm	37850/2580(PCC)	20M QPSK 1RB#99	0.320	0.163	-0.01	20.26	21.50	0.426	Battery 2#	Yes
		38048/2599.8(SCC)	20M QPSK 1RB#0								
Main Antenna											
Front Side	10mm	37850/2580	20M QPSK 1RB#50	0.109	0.056	-0.13	22.15	23.00	0.133	Battery 1#	/
Back Side	10mm	37850/2580	20M QPSK 1RB#50	0.197	0.104	0.04	22.15	23.00	0.240	Battery 1#	/
Right Side	10mm	37850/2580	20M QPSK 1RB#50	0.049	0.025	-0.05	22.15	23.00	0.060	Battery 1#	/
Bottom Side	10mm	37850/2580	20M QPSK 1RB#50	0.295	0.143	0.03	22.15	23.00	0.359	Battery 1#	/
Front Side	10mm	37850/2580	20M QPSK 50%RB#0	0.111	0.056	-0.17	22.39	23.00	0.128	Battery 1#	/
Back Side	10mm	37850/2580	20M QPSK 50%RB#0	0.223	0.117	-0.04	22.39	23.00	0.257	Battery 1#	/
Right Side	10mm	37850/2580	20M QPSK 50%RB#0	0.054	0.027	0.15	22.39	23.00	0.062	Battery 1#	/
Bottom Side	10mm	37850/2580	20M QPSK 50%RB#0	0.310	0.150	0.04	22.39	23.00	0.357	Battery 1#	/
Bottom Side	10mm	37850/2580	20M QPSK 50%RB#0	0.345	0.171	-0.11	22.39	23.00	0.397	Battery 2#	/
Bottom Side	10mm	38000/2595	20M QPSK 50%RB#0	0.331	0.163	-0.19	22.31	23.00	0.388	Battery 2#	/
Bottom Side	10mm	38150/2610(PCC)	20M QPSK 1RB#0	0.388	0.150	0.00	21.20	23.00	0.587	Battery 2#	Yes
		37952/2590.2(SCC)	20M QPSK 1RB#99								
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Top Side	10mm	37850/2580(PCC)	20M QPSK 1RB#99	0.103	0.052	-0.08	20.26	21.50	0.137	Battery 2#	/
		38048/2599.8(SCC)	20M QPSK 1RB#0								
Main Antenna											
Bottom Side	10mm	38150/2610(PCC)	20M QPSK 1RB#0	0.204	0.102	0.15	21.20	23.00	0.309	Battery 2#	/
		37952/2590.2(SCC)	20M QPSK 1RB#99								

Table 184: Hotspot SAR test results of LTE Band 38

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without power reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Front Side	10mm	38150/2610	20M QPSK 1RB#99	0.127	0.065	-0.12	20.44	23.00	0.229	Yes
Back Side	10mm	38150/2610	20M QPSK 1RB#99	0.238	0.116	0.12	20.44	23.00	0.429	Yes
Left Side	10mm	38150/2610	20M QPSK 1RB#99	0.127	0.046	0.19	20.44	23.00	0.229	Yes
Top Side	10mm	38150/2610	20M QPSK 1RB#99	0.232	0.120	-0.06	20.44	23.00	0.418	Yes
Front Side	10mm	38150/2610	20M QPSK 50%RB#0	0.127	0.064	-0.06	20.64	23.00	0.219	Yes
Back Side	10mm	38150/2610	20M QPSK 50%RB#0	0.264	0.125	-0.01	20.64	23.00	0.455	Yes
Left Side	10mm	38150/2610	20M QPSK 50%RB#0	0.150	0.056	-0.05	20.64	23.00	0.258	Yes
Top Side	10mm	38150/2610	20M QPSK 50%RB#0	0.278	0.142	0.01	20.64	23.00	0.479	Yes
Top Side	10mm	38150/2610	20M QPSK 50%RB#0	0.285	0.143	-0.11	20.64	23.00	0.491	Yes
Top Side	10mm	37850/2580	20M QPSK 50%RB#0	0.257	0.129	-0.07	20.58	23.00	0.449	Yes
Top Side	10mm	38000/2595	20M QPSK 50%RB#0	0.270	0.135	-0.06	20.51	23.00	0.479	Yes
Top Side	10mm	37850/2580(PCC)	20M QPSK 1RB#99	0.320	0.163	-0.01	20.26	23.00	0.601	Yes
		38048/2599.8(SCC)	20M QPSK 1RB#0							
Main Antenna										
Front Side	10mm	37850/2580	20M QPSK 1RB#50	0.109	0.056	-0.13	22.15	25.00	0.210	Yes
Back Side	10mm	37850/2580	20M QPSK 1RB#50	0.197	0.104	0.04	22.15	25.00	0.380	Yes
Right Side	10mm	37850/2580	20M QPSK 1RB#50	0.049	0.025	-0.05	22.15	25.00	0.095	Yes
Bottom Side	10mm	37850/2580	20M QPSK 1RB#50	0.295	0.143	0.03	22.15	25.00	0.569	Yes
Front Side	10mm	37850/2580	20M QPSK 50%RB#0	0.111	0.056	-0.17	22.39	24.00	0.161	Yes
Back Side	10mm	37850/2580	20M QPSK 50%RB#0	0.223	0.117	-0.04	22.39	24.00	0.323	Yes
Right Side	10mm	37850/2580	20M QPSK 50%RB#0	0.054	0.027	0.15	22.39	24.00	0.078	Yes
Bottom Side	10mm	37850/2580	20M QPSK 50%RB#0	0.310	0.150	0.04	22.39	24.00	0.449	Yes
Bottom Side	10mm	37850/2580	20M QPSK 50%RB#0	0.345	0.171	-0.11	22.39	24.00	0.500	Yes
Bottom Side	10mm	38000/2595	20M QPSK 50%RB#0	0.331	0.163	-0.19	22.31	24.00	0.488	Yes
Bottom Side	10mm	38150/2610	20M QPSK 50%RB#0	0.301	0.149	-0.10	22.28	24.00	0.447	Yes
Bottom Side	10mm	38150/2610(PCC)	20M QPSK 1RB#0	0.388	0.150	0.00	21.20	25.00	0.931	Yes
		37952/2590.2(SCC)	20M QPSK 1RB#99							
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Top Side	10mm	37850/2580(PCC)	20M QPSK 1RB#99	0.103	0.052	-0.08	20.26	23.00	0.194	Yes
		38048/2599.8(SCC)	20M QPSK 1RB#0							
Main Antenna										
Bottom Side	10mm	38150/2610(PCC)	20M QPSK 1RB#0	0.204	0.102	0.15	21.20	25.00	0.489	Yes
		37952/2590.2(SCC)	20M QPSK 1RB#99							

Table 185: Product Specific 10-g SAR test reduction evaluation of LTE Band 38

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



### 7.2.14 SAR measurement Result of LTE Band 41

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg) Result(W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Left cheek	40140/2545	20M QPSK 1RB#0	0.086	0.040	0.05	14.88	16.20	0.116	Battery 1#	/
Left tilt	40140/2545	20M QPSK 1RB#0	0.106	0.052	0.02	14.88	16.20	0.144	Battery 1#	/
Right cheek	40140/2545	20M QPSK 1RB#0	0.208	0.093	-0.05	14.88	16.20	0.282	Battery 1#	/
Right tilt	40140/2545	20M QPSK 1RB#0	0.308	0.126	-0.05	14.88	16.20	0.417	Battery 1#	Yes
Left cheek	41140/2645	20M QPSK 50%RB#25	0.123	0.057	0.16	15.12	16.20	0.158	Battery 1#	/
Left tilt	41140/2645	20M QPSK 50%RB#25	0.101	0.049	0.07	15.12	16.20	0.130	Battery 1#	/
Right cheek	41140/2645	20M QPSK 50%RB#25	0.256	0.106	-0.10	15.12	16.20	0.328	Battery 1#	/
Right tilt	41140/2645	20M QPSK 50%RB#25	0.206	0.104	-0.19	15.12	16.20	0.264	Battery 1#	/
Right tilt	40140/2545	20M QPSK 1RB#0	0.253	0.103	0.06	14.88	16.20	0.343	Battery 2#	/
Right tilt	40473/2578.3	20M QPSK 1RB#0	0.285	0.118	0.08	14.83	16.20	0.391	Battery 1#	/
Right tilt	40807/2611.7	20M QPSK 1RB#0	0.278	0.115	0.06	14.76	16.20	0.387	Battery 1#	/
Right tilt	41140/2645	20M QPSK 1RB#0	0.249	0.102	-0.02	14.82	16.20	0.342	Battery 1#	/
Right tilt	40473/2578.3(PCC)	20M QPSK 1RB#99	0.248	0.110	0.01	14.92	16.20	0.333	Battery 1#	/
	40671/2598.1(SCC)	20M QPSK 1RB#0								
Main Antenna										
Left cheek	41140/2645	20M QPSK 1RB#0	0.056	0.030	0.16	24.14	25.20	0.071	Battery 1#	/
Left tilt	41140/2645	20M QPSK 1RB#0	0.042	0.021	0.13	24.14	25.20	0.054	Battery 1#	/
Right cheek	41140/2645	20M QPSK 1RB#0	0.096	0.050	0.00	24.14	25.20	0.123	Battery 1#	/
Right tilt	41140/2645	20M QPSK 1RB#0	0.019	0.007	0.16	24.14	25.20	0.024	Battery 1#	/
Left cheek	40140/2545	20M QPSK 50%RB#0	0.055	0.029	0.05	23.10	24.20	0.071	Battery 1#	/
Left tilt	40140/2545	20M QPSK 50%RB#0	0.038	0.019	0.09	23.10	24.20	0.049	Battery 1#	/
Right cheek	40140/2545	20M QPSK 50%RB#0	0.087	0.046	0.01	23.10	24.20	0.112	Battery 1#	/
Right tilt	40140/2545	20M QPSK 50%RB#0	0.020	0.010	0.19	23.10	24.20	0.026	Battery 1#	/
Right cheek	41140/2645	20M QPSK 1RB#0	0.097	0.049	0.04	24.14	25.20	0.123	Battery 2#	/
Right cheek	40140/2545	20M QPSK 1RB#0	0.106	0.056	0.19	24.00	25.20	0.140	Battery 2#	Yes
Right cheek	40473/2578.3	20M QPSK 1RB#0	0.103	0.054	0.18	23.98	25.20	0.136	Battery 2#	/
Right cheek	40807/2611.7	20M QPSK 1RB#0	0.100	0.052	0.11	23.99	25.20	0.132	Battery 2#	/
Right cheek	40473/2578.3(PCC)	20M QPSK 1RB#99	0.093	0.047	0.16	23.91	23.50	0.084	Battery 2#	/
	40671/2598.1(SCC)	20M QPSK 1RB#0								
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Right tilt	40140/2545	20M QPSK 1RB#0	0.180	0.079	0.07	14.88	16.20	0.244	Battery 1#	/
Main Antenna										
Right cheek	40140/2545	20M QPSK 1RB#0	0.084	0.044	0.00	24.00	25.20	0.111	Battery 2#	/

Table 186: Head SAR test results of LTE Band 41

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	15mm	41140/2645	20M QPSK 1RB#0	0.117	0.063	0.09	22.95	24.20	0.156	Battery 1#	/
Back Side	15mm	41140/2645	20M QPSK 1RB#0	0.135	0.069	-0.19	22.95	24.20	0.180	Battery 1#	/
Front Side	15mm	41140/2645	20M QPSK 50%RB#50	0.082	0.044	-0.12	22.00	23.20	0.108	Battery 1#	/
Back Side	15mm	41140/2645	20M QPSK 50%RB#50	0.093	0.045	0.01	22.00	23.20	0.122	Battery 1#	/
Back Side	15mm	41140/2645	20M QPSK 1RB#0	0.148	0.074	-0.08	22.95	24.20	0.197	Battery 2#	Yes
Back Side	15mm	40140/2545	20M QPSK 1RB#0	0.069	0.039	-0.07	22.82	24.20	0.095	Battery 2#	/
Back Side	15mm	40473/2578.3	20M QPSK 1RB#50	0.083	0.046	0.11	22.84	24.20	0.113	Battery 2#	/
Back Side	15mm	40807/2611.7	20M QPSK 1RB#0	0.105	0.056	-0.13	22.79	24.20	0.145	Battery 2#	/
Back Side	15mm	41140/2645(PCC)	20M QPSK 1RB#0	0.118	0.058	-0.14	22.93	24.20	0.158	Battery 2#	/
		40942/2625.2(SCC)	20M QPSK 1RB#99								
Main Antenna											
Front Side	15mm	41140/2645	20M QPSK 1RB#0	0.098	0.053	-0.17	24.14	25.20	0.125	Battery 1#	/
Back Side	15mm	41140/2645	20M QPSK 1RB#0	0.183	0.099	-0.04	24.14	25.20	0.234	Battery 1#	/
Front Side	15mm	40140/2545	20M QPSK 50%RB#0	0.090	0.049	-0.06	23.10	24.20	0.116	Battery 1#	/
Back Side	15mm	40140/2545	20M QPSK 50%RB#0	0.135	0.075	0.15	23.10	24.20	0.174	Battery 1#	/
Back Side	15mm	41140/2645	20M QPSK 1RB#0	0.231	0.125	-0.03	24.14	25.20	0.295	Battery 2#	/
Back Side	15mm	40140/2545	20M QPSK 1RB#0	0.233	0.128	0.00	24.00	25.20	0.307	Battery 2#	Yes
Back Side	15mm	40473/2578.3	20M QPSK 1RB#0	0.230	0.126	-0.09	23.98	25.20	0.305	Battery 2#	/
Back Side	15mm	40807/2611.7	20M QPSK 1RB#0	0.178	0.097	0.06	23.99	25.20	0.235	Battery 2#	/
Back Side	15mm	40473/2578.3(PCC)	20M QPSK 1RB#99	0.161	0.088	0.02	23.91	25.20	0.217	Battery 2#	/
		40671/2598.1(SCC)	20M QPSK 1RB#0								
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Back Side	15mm	41140/2645	20M QPSK 1RB#0	0.085	0.042	-0.16	22.95	24.20	0.113	Battery 2#	/
Main Antenna											
Back Side	15mm	40140/2545	20M QPSK 1RB#0	0.103	0.054	-0.07	24.00	25.20	0.136	Battery 2#	/

Table 187: Body-Worn SAR test results of LTE Band 41

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	10mm	40140/2545	20M QPSK 1RB#0	0.128	0.066	-0.18	21.48	22.70	0.170	Battery 1#	/
Back Side	10mm	40140/2545	20M QPSK 1RB#0	0.173	0.092	-0.17	21.48	22.70	0.229	Battery 1#	/
Left Side	10mm	40140/2545	20M QPSK 1RB#0	0.116	0.046	0.17	21.48	22.70	0.154	Battery 1#	/
Top Side	10mm	40140/2545	20M QPSK 1RB#0	0.334	0.168	0.07	21.48	22.70	0.442	Battery 1#	/
Front Side	10mm	40140/2545	20M QPSK 50%RB#0	0.130	0.067	0.18	21.59	22.70	0.168	Battery 1#	/
Back Side	10mm	40140/2545	20M QPSK 50%RB#0	0.180	0.096	-0.10	21.59	22.70	0.232	Battery 1#	/
Left Side	10mm	40140/2545	20M QPSK 50%RB#0	0.137	0.054	0.16	21.59	22.70	0.177	Battery 1#	/
Top Side	10mm	40140/2545	20M QPSK 50%RB#0	0.362	0.182	-0.04	21.59	22.70	0.467	Battery 1#	Yes
Top Side	10mm	40140/2545	20M QPSK 50%RB#0	0.336	0.171	0.02	21.59	22.70	0.434	Battery 2#	/
Top Side	10mm	40473/2578.3	20M QPSK 50%RB#0	0.338	0.173	0.01	21.51	22.70	0.445	Battery 1#	/
Top Side	10mm	40807/2611.7	20M QPSK 50%RB#0	0.313	0.162	-0.07	21.48	22.70	0.415	Battery 1#	/
Top Side	10mm	41140/2645	20M QPSK 50%RB#0	0.229	0.120	-0.12	21.58	22.70	0.296	Battery 1#	/
Top Side	10mm	41140/2645(PCC)	20M QPSK 1RB#0	0.243	0.127	0.04	21.36	22.70	0.331	Battery 1#	/
		40942/2625.2(SCC)	20M QPSK 1RB#99								
Main Antenna											
Front Side	10mm	40140/2545	20M QPSK 1RB#0	0.124	0.065	-0.10	22.17	23.20	0.157	Battery 1#	/
Back Side	10mm	40140/2545	20M QPSK 1RB#0	0.269	0.145	-0.11	22.17	23.20	0.341	Battery 1#	/
Right Side	10mm	40140/2545	20M QPSK 1RB#0	0.068	0.034	-0.04	22.17	23.20	0.086	Battery 1#	/
Bottom Side	10mm	40140/2545	20M QPSK 1RB#0	0.375	0.188	-0.12	22.17	23.20	0.475	Battery 1#	/
Front Side	10mm	40140/2545	20M QPSK 50%RB#50	0.122	0.063	-0.12	22.22	23.20	0.153	Battery 1#	/
Back Side	10mm	40140/2545	20M QPSK 50%RB#50	0.243	0.131	-0.13	22.22	23.20	0.305	Battery 1#	/
Right Side	10mm	40140/2545	20M QPSK 50%RB#50	0.065	0.033	-0.13	22.22	23.20	0.081	Battery 1#	/
Bottom Side	10mm	40140/2545	20M QPSK 50%RB#50	0.378	0.189	-0.04	22.22	23.20	0.474	Battery 1#	/
Bottom Side	10mm	40140/2545	20M QPSK 50%RB#50	0.313	0.156	-0.03	22.22	23.20	0.392	Battery 2#	/
Bottom Side	10mm	40473/2578.3	20M QPSK 50%RB#0	0.316	0.156	0.04	22.21	23.20	0.397	Battery 1#	/
Bottom Side	10mm	40807/2611.7	20M QPSK 50%RB#0	0.369	0.180	0.13	22.11	23.20	0.474	Battery 1#	/
Bottom Side	10mm	41140/2645	20M QPSK 50%RB#0	0.395	0.193	0.11	22.19	23.20	0.498	Battery 1#	Yes
Bottom Side	10mm	40807/2611.7(PCC)	20M QPSK 1RB#0	0.285	0.141	0.14	22.09	23.20	0.368	Battery 1#	/
		40609/2591.9(SCC)	20M QPSK 1RB#99								
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Top Side	10mm	40140/2545	20M QPSK 50%RB#0	0.213	0.113	-0.12	21.59	22.70	0.275	Battery 1#	/
Main Antenna											
Bottom Side	10mm	41140/2645	20M QPSK 50%RB#0	0.211	0.105	-0.07	22.19	23.20	0.266	Battery 1#	/

Table 188: Hotspot SAR test results of LTE Band 41

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without power reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Front Side	10mm	40140/2545	20M QPSK 1RB#0	0.128	0.066	-0.18	21.48	24.20	0.239	Yes
Back Side	10mm	40140/2545	20M QPSK 1RB#0	0.173	0.092	-0.17	21.48	24.20	0.324	Yes
Left Side	10mm	40140/2545	20M QPSK 1RB#0	0.116	0.046	0.17	21.48	24.20	0.217	Yes
Top Side	10mm	40140/2545	20M QPSK 1RB#0	0.334	0.168	0.07	21.48	24.20	0.625	Yes
Front Side	10mm	40140/2545	20M QPSK 50%RB#0	0.130	0.067	0.18	21.59	23.20	0.188	Yes
Back Side	10mm	40140/2545	20M QPSK 50%RB#0	0.180	0.096	-0.10	21.59	23.20	0.261	Yes
Left Side	10mm	40140/2545	20M QPSK 50%RB#0	0.137	0.054	0.16	21.59	23.20	0.198	Yes
Top Side	10mm	40140/2545	20M QPSK 50%RB#0	0.362	0.182	-0.04	21.59	23.20	0.524	Yes
Top Side	10mm	40140/2545	20M QPSK 50%RB#0	0.336	0.171	0.02	21.59	23.20	0.487	Yes
Top Side	10mm	40473/2578.3	20M QPSK 50%RB#0	0.338	0.173	0.01	21.51	23.20	0.499	Yes
Top Side	10mm	40807/2611.7	20M QPSK 50%RB#0	0.313	0.162	-0.07	21.48	23.20	0.465	Yes
Top Side	10mm	41140/2645	20M QPSK 50%RB#0	0.229	0.120	-0.12	21.58	23.20	0.333	Yes
Top Side	10mm	41140/2645 (PCC)	20M QPSK 1RB#0	0.243	0.127	0.04	21.36	24.20	0.467	Yes
		40942/2625.2 (SCC)	20M QPSK 1RB#99							
Main Antenna										
Front Side	10mm	40140/2545	20M QPSK 1RB#0	0.124	0.065	-0.10	22.17	25.20	0.249	Yes
Back Side	10mm	40140/2545	20M QPSK 1RB#0	0.269	0.145	-0.11	22.17	25.20	0.540	Yes
Right Side	10mm	40140/2545	20M QPSK 1RB#0	0.068	0.034	-0.04	22.17	25.20	0.136	Yes
Bottom Side	10mm	40140/2545	20M QPSK 1RB#0	0.375	0.188	-0.12	22.17	25.20	0.753	Yes
Front Side	10mm	40140/2545	20M QPSK 50%RB#50	0.122	0.063	-0.12	22.22	24.20	0.192	Yes
Back Side	10mm	40140/2545	20M QPSK 50%RB#50	0.243	0.131	-0.13	22.22	24.20	0.383	Yes
Right Side	10mm	40140/2545	20M QPSK 50%RB#50	0.065	0.033	-0.13	22.22	24.20	0.102	Yes
Bottom Side	10mm	40140/2545	20M QPSK 50%RB#50	0.378	0.189	-0.04	22.22	24.20	0.596	Yes
Bottom Side	10mm	40140/2545	20M QPSK 50%RB#50	0.313	0.156	-0.03	22.22	24.20	0.494	Yes
Bottom Side	10mm	40473/2578.3	20M QPSK 50%RB#0	0.316	0.156	0.04	22.21	24.20	0.500	Yes
Bottom Side	10mm	40807/2611.7	20M QPSK 50%RB#0	0.369	0.180	0.13	22.11	24.20	0.597	Yes
Bottom Side	10mm	41140/2645	20M QPSK 50%RB#0	0.395	0.193	0.11	22.19	24.20	0.627	Yes
Bottom Side	10mm	40807/2611.7 (PCC)	20M QPSK 1RB#0	0.285	0.141	0.14	22.09	25.20	0.583	Yes
		40609/2591.9 (SCC)	20M QPSK 1RB#99							
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Top Side	10mm	40140/2545	20M QPSK 50%RB#0	0.213	0.113	-0.12	21.59	23.20	0.309	Yes
Main Antenna										
Bottom Side	10mm	41140/2645	20M QPSK 50%RB#0	0.211	0.105	-0.07	22.19	24.20	0.335	Yes

Table 189: Product Specific 10-g SAR test reduction evaluation of LTE Band 41

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

### 7.2.15 SAR measurement Result of LTE Band 66

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
			1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Left cheek	132072/1720	20M QPSK 1RB#0	0.146	0.071	0.07	14.55	16.20	0.213	Battery 1#	/
Left tilt	132072/1720	20M QPSK 1RB#0	0.230	0.108	0.15	14.55	16.20	0.336	Battery 1#	/
Right cheek	132072/1720	20M QPSK 1RB#0	0.174	0.098	0.03	14.55	16.20	0.254	Battery 1#	/
Right tilt	132072/1720	20M QPSK 1RB#0	0.204	0.110	-0.01	14.55	16.20	0.298	Battery 1#	/
Left cheek	132572/1770	20M QPSK 50%RB#50	0.115	0.059	0.09	14.50	16.20	0.170	Battery 1#	/
Left tilt	132572/1770	20M QPSK 50%RB#50	0.195	0.093	-0.15	14.50	16.20	0.288	Battery 1#	/
Right cheek	132572/1770	20M QPSK 50%RB#50	0.179	0.099	-0.11	14.50	16.20	0.265	Battery 1#	/
Right tilt	132572/1770	20M QPSK 50%RB#50	0.253	0.122	-0.01	14.50	16.20	0.374	Battery 1#	/
Right tilt	132572/1770	20M QPSK 50%RB#50	0.262	0.128	-0.01	14.50	16.20	0.388	Battery 2#	Yes
Right tilt	132072/1720	20M QPSK 50%RB#25	0.254	0.124	-0.02	14.41	16.20	0.384	Battery 2#	/
Right tilt	132322/1745	20M QPSK 50%RB#50	0.258	0.125	-0.03	14.49	16.20	0.382	Battery 2#	/
Main Antenna										
Left cheek	132322/1745	20M QPSK 1RB#0	0.144	0.088	0.04	23.41	25.20	0.217	Battery 1#	/
Left tilt	132322/1745	20M QPSK 1RB#0	0.081	0.044	0.04	23.41	25.20	0.122	Battery 1#	/
Right cheek	132322/1745	20M QPSK 1RB#0	0.124	0.081	0.14	23.41	25.20	0.187	Battery 1#	/
Right tilt	132322/1745	20M QPSK 1RB#0	0.079	0.047	-0.12	23.41	25.20	0.120	Battery 1#	/
Left cheek	132322/1745	20M QPSK 50%RB#50	0.107	0.062	0.01	22.34	24.20	0.164	Battery 1#	/
Left tilt	132322/1745	20M QPSK 50%RB#50	0.061	0.033	0.14	22.34	24.20	0.093	Battery 1#	/
Right cheek	132322/1745	20M QPSK 50%RB#50	0.091	0.055	0.17	22.34	24.20	0.139	Battery 1#	/
Right tilt	132322/1745	20M QPSK 50%RB#50	0.063	0.037	0.17	22.34	24.20	0.097	Battery 1#	/
Left cheek	132322/1745	20M QPSK 1RB#0	0.152	0.089	0.10	23.41	25.20	0.230	Battery 2#	Yes
Left cheek	132072/1720	20M QPSK 1RB#99	0.148	0.090	0.10	23.32	25.20	0.228	Battery 2#	/
Left cheek	132572/1770	20M QPSK 1RB#99	0.138	0.074	0.08	23.38	25.20	0.210	Battery 2#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Right tilt	132572/1770	20M QPSK 50%RB#50	0.205	0.100	0.03	14.50	16.20	0.303	Battery 2#	/
Main Antenna										
Left cheek	132322/1745	20M QPSK 1RB#0	0.097	0.047	0.14	23.41	25.20	0.146	Battery 2#	/

Table 190: Head SAR test results of LTE Band 66

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	15mm	132572/1770	20M QPSK 1RB#99	0.111	0.064	-0.18	21.60	23.20	0.161	Battery 1#	/
Back Side	15mm	132572/1770	20M QPSK 1RB#99	0.197	0.121	-0.13	21.60	23.20	0.285	Battery 1#	/
Front Side	15mm	132322/1745	20M QPSK 50%RB#0	0.114	0.067	-0.09	21.53	23.20	0.168	Battery 1#	/
Back Side	15mm	132322/1745	20M QPSK 50%RB#0	0.226	0.139	-0.10	21.53	23.20	0.332	Battery 1#	/
Back Side	15mm	132322/1745	20M QPSK 50%RB#0	0.243	0.149	-0.12	21.53	23.20	0.357	Battery 2#	Yes
Back Side	15mm	132072/1720	20M QPSK 50%RB#0	0.238	0.147	-0.18	21.49	23.20	0.353	Battery 2#	/
Back Side	15mm	132572/1770	20M QPSK 50%RB#50	0.204	0.125	-0.03	21.43	23.20	0.306	Battery 2#	/
Main Antenna											
Front Side	15mm	132322/1745	20M QPSK 1RB#0	0.239	0.152	-0.19	23.41	25.20	0.361	Battery 1#	/
Back Side	15mm	132322/1745	20M QPSK 1RB#0	0.314	0.218	-0.06	23.41	25.20	0.474	Battery 1#	Yes
Front Side	15mm	132322/1745	20M QPSK 50%RB#50	0.177	0.112	-0.08	22.34	24.20	0.272	Battery 1#	/
Back Side	15mm	132322/1745	20M QPSK 50%RB#50	0.232	0.145	-0.13	22.34	24.20	0.356	Battery 1#	/
Back Side	15mm	132322/1745	20M QPSK 1RB#0	0.259	0.178	-0.12	23.41	25.20	0.391	Battery 2#	/
Back Side	15mm	132072/1720	20M QPSK 1RB#99	0.246	0.169	-0.01	23.32	25.20	0.379	Battery 1#	/
Back Side	15mm	132572/1770	20M QPSK 1RB#99	0.253	0.173	-0.03	23.38	25.20	0.385	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Back Side	15mm	132322/1745	20M QPSK 50%RB#0	0.086	0.051	0.12	21.53	23.20	0.127	Battery 2#	/
Main Antenna											
Back Side	15mm	132322/1745	20M QPSK 1RB#0	0.120	0.073	-0.16	23.41	25.20	0.181	Battery 1#	/

Table 191: Body-Worn SAR test results of LTE Band 66

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g						
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Front Side	10mm	132572/1770	20M QPSK 1RB#99	0.098	0.056	-0.06	18.12	19.70	0.141	Battery 1#	/
Back Side	10mm	132572/1770	20M QPSK 1RB#99	0.218	0.122	0.03	18.12	19.70	0.313	Battery 1#	/
Left Side	10mm	132572/1770	20M QPSK 1RB#99	0.042	0.024	-0.03	18.12	19.70	0.061	Battery 1#	/
Top Side	10mm	132572/1770	20M QPSK 1RB#99	0.291	0.157	-0.03	18.12	19.70	0.418	Battery 1#	Yes
Front Side	10mm	132572/1770	20M QPSK 50%RB#50	0.097	0.054	0.02	17.99	19.70	0.143	Battery 1#	/
Back Side	10mm	132572/1770	20M QPSK 50%RB#50	0.201	0.114	-0.16	17.99	19.70	0.298	Battery 1#	/
Left Side	10mm	132572/1770	20M QPSK 50%RB#50	0.042	0.023	0.14	17.99	19.70	0.062	Battery 1#	/
Top Side	10mm	132572/1770	20M QPSK 50%RB#50	0.255	0.134	0.09	17.99	19.70	0.378	Battery 1#	/
Top Side	10mm	132572/1770	20M QPSK 1RB#99	0.268	0.147	0.00	18.12	19.70	0.385	Battery 2#	/
Top Side	10mm	132072/1720	20M QPSK 1RB#99	0.287	0.161	0.04	18.08	19.70	0.417	Battery 1#	/
Top Side	10mm	132322/1745	20M QPSK 1RB#99	0.271	0.150	-0.03	18.03	19.70	0.398	Battery 1#	/
Main Antenna											
Front Side	10mm	132072/1720	20M QPSK 1RB#0	0.179	0.111	-0.17	20.50	22.20	0.265	Battery 1#	/
Back Side	10mm	132072/1720	20M QPSK 1RB#0	0.218	0.148	-0.10	20.50	22.20	0.322	Battery 1#	/
Right Side	10mm	132072/1720	20M QPSK 1RB#0	0.172	0.089	-0.17	20.50	22.20	0.254	Battery 1#	/
Bottom Side	10mm	132072/1720	20M QPSK 1RB#0	0.274	0.160	-0.13	20.50	22.20	0.405	Battery 1#	/
Front Side	10mm	132322/1745	20M QPSK 50%RB#0	0.165	0.104	-0.15	20.34	22.20	0.253	Battery 1#	/
Back Side	10mm	132322/1745	20M QPSK 50%RB#0	0.218	0.147	-0.02	20.34	22.20	0.335	Battery 1#	/
Right Side	10mm	132322/1745	20M QPSK 50%RB#0	0.168	0.085	-0.14	20.34	22.20	0.258	Battery 1#	/
Bottom Side	10mm	132322/1745	20M QPSK 50%RB#0	0.252	0.147	-0.19	20.34	22.20	0.387	Battery 1#	/
Bottom Side	10mm	132072/1720	20M QPSK 1RB#0	0.242	0.140	-0.16	20.50	22.20	0.358	Battery 2#	/
Bottom Side	10mm	132322/1745	20M QPSK 1RB#0	0.275	0.160	-0.16	20.46	22.20	0.411	Battery 1#	Yes
Bottom Side	10mm	132572/1770	20M QPSK 1RB#0	0.241	0.138	0.01	20.47	22.20	0.359	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)											
Second Antenna											
Top Side	10mm	132572/1770	20M QPSK 1RB#99	0.188	0.101	-0.07	18.12	19.70	0.270	Battery 1#	/
Main Antenna											
Bottom Side	10mm	132322/1745	20M QPSK 1RB#0	0.143	0.082	-0.12	20.46	22.20	0.214	Battery 1#	/

Table 192: Hotspot SAR test results of LTE Band 66

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Conducted Power (dBm)	Max power without power reduction (dBm)	Scaled-up 1-g SAR (W/kg)	Product Specific 10-g SAR Exclusion
				1-g	10-g					
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Front Side	10mm	132572/1770	20M QPSK 1RB#99	0.098	0.056	-0.06	18.12	23.20	0.316	Yes
Back Side	10mm	132572/1770	20M QPSK 1RB#99	0.218	0.122	0.03	18.12	23.20	0.702	Yes
Left Side	10mm	132572/1770	20M QPSK 1RB#99	0.042	0.024	-0.03	18.12	23.20	0.136	Yes
Top Side	10mm	132572/1770	20M QPSK 1RB#99	0.291	0.157	-0.03	18.12	23.20	0.937	Yes
Front Side	10mm	132572/1770	20M QPSK 50%RB#50	0.097	0.054	0.02	17.99	23.20	0.321	Yes
Back Side	10mm	132572/1770	20M QPSK 50%RB#50	0.201	0.114	-0.16	17.99	23.20	0.668	Yes
Left Side	10mm	132572/1770	20M QPSK 50%RB#50	0.042	0.023	0.14	17.99	23.20	0.140	Yes
Top Side	10mm	132572/1770	20M QPSK 50%RB#50	0.255	0.134	0.09	17.99	23.20	0.847	Yes
Top Side	10mm	132572/1770	20M QPSK 1RB#99	0.268	0.147	0.00	18.12	23.20	0.863	Yes
Top Side	10mm	132072/1720	20M QPSK 1RB#99	0.287	0.161	0.04	18.08	23.20	0.933	Yes
Top Side	10mm	132322/1745	20M QPSK 1RB#99	0.271	0.150	-0.03	18.03	23.20	0.891	Yes
Main Antenna										
Front Side	10mm	132072/1720	20M QPSK 1RB#0	0.179	0.111	-0.17	20.50	25.20	0.528	Yes
Back Side	10mm	132072/1720	20M QPSK 1RB#0	0.218	0.148	-0.10	20.50	25.20	0.643	Yes
Right Side	10mm	132072/1720	20M QPSK 1RB#0	0.172	0.089	-0.17	20.50	25.20	0.508	Yes
Bottom Side	10mm	132072/1720	20M QPSK 1RB#0	0.274	0.160	-0.13	20.50	25.20	0.809	Yes
Front Side	10mm	132322/1745	20M QPSK 50%RB#0	0.165	0.104	-0.15	20.34	25.20	0.505	Yes
Back Side	10mm	132322/1745	20M QPSK 50%RB#0	0.218	0.147	-0.02	20.34	25.20	0.668	Yes
Right Side	10mm	132322/1745	20M QPSK 50%RB#0	0.168	0.085	-0.14	20.34	25.20	0.514	Yes
Bottom Side	10mm	132322/1745	20M QPSK 50%RB#0	0.252	0.147	-0.19	20.34	25.20	0.772	Yes
Bottom Side	10mm	132072/1720	20M QPSK 1RB#0	0.242	0.140	-0.16	20.50	25.20	0.714	Yes
Bottom Side	10mm	132322/1745	20M QPSK 1RB#0	0.275	0.160	-0.16	20.46	25.20	0.819	Yes
Bottom Side	10mm	132572/1770	20M QPSK 1RB#0	0.241	0.138	0.01	20.47	25.20	0.716	Yes
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)										
Second Antenna										
Top Side	10mm	132572/1770	20M QPSK 1RB#99	0.188	0.101	-0.07	18.12	19.70	0.270	Yes
Main Antenna										
Bottom Side	10mm	132322/1745	20M QPSK 1RB#0	0.143	0.082	-0.12	20.46	25.20	0.426	Yes

Table 193: Product Specific 10-g SAR test reduction evaluation of LTE Band 66

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



## 7.2.16 SAR measurement Result of WiFi 2.4G

Test Position of Head	Dist.	Test Channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
					1-g	10-g								
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)														
Ant 5(Core 0)														
Left cheek	/	11/2462	802.11b	0.398	0.383	0.157	0.06	99%	0.387	9.61	10.50	0.475	Battery 1#	/
Left tilt	/	11/2462	802.11b	0.320	0.326	0.125	0.04	99%	0.329	9.61	10.50	0.404	Battery 1#	/
Right cheek	/	11/2462	802.11b	0.147	/	/	0.08	99%	/	9.61	10.50	/	Battery 1#	/
Right tilt	/	11/2462	802.11b	0.115	/	/	0.01	99%	/	9.61	10.50	/	Battery 1#	/
Left cheek	/	11/2462	802.11b	0.423	0.412	0.167	0.11	99%	0.416	9.61	10.50	0.511	Battery 2#	Yes
Left cheek	/	1/2412	802.11b	0.219	0.189	0.082	0.02	99%	0.191	8.87	10.50	0.278	Battery 2#	/
Left cheek	/	6/2437	802.11b	0.292	0.260	0.111	0.10	99%	0.263	9.32	10.50	0.345	Battery 2#	/
Ant 6(Core 1)														
Left cheek	/	6/2437	802.11b	0.006	/	/	0.00	99%	/	9.87	10.50	/	Battery 1#	/
Left tilt	/	6/2437	802.11b	0.006	/	/	0.00	99%	/	9.87	10.50	/	Battery 1#	/
Right cheek	/	6/2437	802.11b	0.048	0.043	0.016	0.00	99%	0.043	9.87	10.50	0.050	Battery 1#	/
Right tilt	/	6/2437	802.11b	0.044	/	/	0.00	99%	/	9.87	10.50	/	Battery 1#	/
Right cheek	/	6/2437	802.11b	0.057	0.040	0.015	0.00	99%	0.041	9.87	10.50	0.047	Battery 2#	/
Right cheek	/	1/2412	802.11b	0.061	0.062	0.024	0.00	99%	0.062	9.20	10.50	0.084	Battery 1#	Yes
Right cheek	/	11/2462	802.11b	0.062	0.049	0.018	0.00	99%	0.050	9.34	10.50	0.065	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)														
Ant 5(Core 0)														
Left cheek	/	11/2462	802.11b	0.177	0.216	0.086	0.10	99%	0.218	9.61	10.50	0.268	Battery 2#	/
Ant 6(Core 1)														
Right cheek	/	1/2412	802.11b	0.014	0.022	0.007	0.00	99%	0.022	9.20	10.50	0.029	Battery 1#	/

Table 194: Head SAR test results of WiFi 2.4G SISO

Note: Per KDB248227D01, for Head SAR test of WiFi 2.4G SISO, SAR is measured for 2.4 GHz 802.11b DSSS using the initial test position procedure. The highest *reported* SAR for DSSS is adjusted by the ratio of OFDM 802.11g/n to DSSS specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for 802.11g/n is not required.

Test Position of Head	Test Channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g								
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)													
Test data of WiFi 2.4G MIMO with Ant 5(Core 0)													
Left cheek	5/2432	802.11n(40M)	0.239	/	/	-0.09	95%	/	9.92	10.50	/	Battery 1#	/
Left tilt	5/2432	802.11n(40M)	0.238	0.232	0.092	-0.06	95%	0.244	9.92	10.50	0.279	Battery 1#	/
Right cheek	5/2432	802.11n(40M)	0.090	/	/	0.08	95%	/	9.92	10.50	/	Battery 1#	/
Right tilt	5/2432	802.11n(40M)	0.108	/	/	0.00	95%	/	9.92	10.50	/	Battery 1#	/
Left tilt	5/2432	802.11n(40M)	0.231	0.244	0.096	-0.13	95%	0.257	9.92	10.50	0.294	Battery 2#	/
Left tilt	4/2427	802.11n(40M)	0.300	0.295	0.110	0.04	95%	0.311	9.89	10.50	0.357	Battery 2#	/
Left tilt	6/2437	802.11n(40M)	0.318	0.296	0.118	0.06	95%	0.312	9.69	10.50	0.375	Battery 2#	/
Test data of WiFi 2.4G MIMO with Ant 6(Core 1)													
Left cheek	5/2432	802.11n(40M)	<0.001	/	/	0.00	95%	/	9.68	12.50	/	Battery 1#	/
Left tilt	5/2432	802.11n(40M)	<0.001	/	/	0.00	95%	/	9.68	12.50	/	Battery 1#	/
Right cheek	5/2432	802.11n(40M)	0.001	0.001	0.000	0.00	95%	0.001	9.68	12.50	0.002	Battery 1#	/
Right tilt	5/2432	802.11n(40M)	0.001	/	/	0.00	95%	/	9.68	12.50	/	Battery 1#	/
Right cheek	5/2432	802.11n(40M)	0.043	0.041	0.014	0.00	95%	0.043	9.68	12.50	0.052	Battery 2#	/
Right cheek	4/2427	802.11n(40M)	<0.001	<0.001	0.000	0.00	95%	<0.001	8.96	12.50	<0.001	Battery 2#	/
Right cheek	6/2437	802.11n(40M)	0.004	0.005	0.001	0.00	95%	0.005	9.19	12.50	0.006	Battery 2#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)													
Test data of WiFi 2.4G MIMO with Ant 5(Core 0)													
Left tilt	6/2437	802.11n(40M)	0.058	0.063	0.027	0.18	95%	0.066	9.69	10.50	0.080	Battery 2#	/
Test data of WiFi 2.4G MIMO with Ant 6(Core 1)													
Left tilt	5/2432	802.11n(40M)	0.012	0.011	0.007	0.00	95%	0.011	9.69	10.50	0.013	Battery 2#	/

Table 195: Head SAR test results of WiFi 2.4G MIMO

Note:

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

Test Position of Head	Dist.	Test Mode	WiFi 2.4G CDD/MIMO 1-g SAR (W/kg)		
			Ant 5(Core 0)	Ant 6(Core 1)	CDD/MIMO (Ant 5(Core 0)+ Ant 6(Core 1))
Left cheek	/	802.11n(40M)	0.375	0.052	0.427
Left tilt	/	802.11n(40M)	0.375	0.052	0.427
Right cheek	/	802.11n(40M)	0.375	0.052	0.427
Right tilt	/	802.11n(40M)	0.375	0.052	0.427

Table 196: Head SAR of WiFi 2.4G CDD/MIMO calculation

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
					1-g	10-g								
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)														
Ant 5(Core 0)														
Front Side	15mm	11/2462	802.11 b	0.137	/	/	0.15	99%	/	18.00	19.00	/	Battery 1#	/
Back Side	15mm	11/2462	802.11 b	0.174	0.174	0.099	-0.11	99%	0.176	18.00	19.00	0.221	Battery 1#	Yes
Back Side	15mm	11/2462	802.11 b	0.157	0.157	0.089	-0.18	99%	0.159	18.00	19.00	0.200	Battery 2#	/
Back Side	15mm	1/2412	802.11 b	0.085	0.085	0.048	-0.17	99%	0.085	17.69	19.00	0.116	Battery 1#	/
Back Side	15mm	6/2437	802.11 b	0.103	0.102	0.059	-0.15	99%	0.103	17.82	19.00	0.135	Battery 1#	/
Ant 6(Core 1)														
Front Side	15mm	11/2462	802.11 b	0.012	/	/	0.17	99%	/	17.81	18.50	/	Battery 1#	/
Back Side	15mm	11/2462	802.11 b	0.101	0.099	0.046	-0.15	99%	0.100	17.81	18.50	0.118	Battery 1#	/
Back Side	15mm	11/2462	802.11 b	0.101	0.098	0.046	-0.16	99%	0.099	17.81	18.50	0.117	Battery 2#	/
Back Side	15mm	1/2412	802.11 b	0.137	0.138	0.063	0.03	99%	0.139	17.52	18.50	0.175	Battery 1#	Yes
Back Side	15mm	6/2437	802.11 b	0.089	0.092	0.043	-0.17	99%	0.093	17.07	18.50	0.129	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)														
Ant 5(Core 0)														
Back Side	15mm	11/2462	802.11 b	0.078	0.075	0.042	-0.10	99%	0.076	18.00	19.00	0.095	Battery 1#	/
Ant 6(Core 1)														
Back Side	15mm	1/2412	802.11 b	0.046	0.042	0.019	0.07	99%	0.042	17.52	18.50	0.053	Battery 1#	/

Table 197: Body-Worn SAR test results of WiFi 2.4G SISO

Note: Per KDB248227D01, for Body SAR test of WiFi 2.4G SISO, SAR is measured for 2.4 GHz 802.11b DSSS using the initial test position procedure. The highest *reported* SAR for DSSS is adjusted by the ratio of OFDM 802.11g/n to DSSS specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for 802.11g/n is not required.

Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
					1-g	10-g								
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)														
Test data of WiFi 2.4G CDD with Ant 5(Core 0)														
Front Side	15mm	2/2417	802.11g	0.007	0.005	0.003	0.03	98%	0.006	16.23	18.00	0.008	Battery 1#	/
Back Side	15mm	2/2417	802.11g	0.061	0.061	0.029	-0.09	98%	0.063	16.23	18.00	0.094	Battery 1#	/
Back Side	15mm	2/2417	802.11g	0.055	0.056	0.026	0.05	98%	0.057	16.23	18.00	0.086	Battery 2#	/
Back Side	15mm	6/2437	802.11g	0.063	0.063	0.029	0.09	98%	0.064	16.17	18.00	0.098	Battery 1#	/
Back Side	15mm	10/2457	802.11g	0.059	0.059	0.028	-0.06	98%	0.061	16.22	18.00	0.091	Battery 1#	/
Test data of WiFi 2.4G CDD with Ant 6(Core 1)														
Front Side	15mm	10/2457	802.11g	0.048	0.048	0.028	0.09	98%	0.049	15.84	17.50	0.071	Battery 1#	/
Back Side	15mm	10/2457	802.11g	0.079	0.080	0.043	-0.11	98%	0.081	15.84	17.50	0.119	Battery 1#	/
Back Side	15mm	10/2457	802.11g	0.075	0.074	0.041	-0.01	98%	0.075	15.84	17.50	0.111	Battery 2#	/
Back Side	15mm	2/2417	802.11g	0.081	0.080	0.042	0.12	98%	0.081	15.69	17.50	0.123	Battery 1#	/
Back Side	15mm	6/2437	802.11g	0.086	0.080	0.044	0.14	98%	0.082	15.58	17.50	0.127	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)														
Test data of WiFi 2.4G CDD with Ant 5(Core 0)														
Back Side	15mm	6/2437	802.11g	0.057	0.058	0.035	-0.15	98%	0.059	16.17	18.00	0.090	Battery 1#	/
Test data of WiFi 2.4G CDD with Ant 6(Core 1)														
Back Side	15mm	6/2437	802.11g	0.016	0.017	0.008	0.10	98%	0.017	15.58	17.50	0.026	Battery 1#	/

Table 198: Body-Worn SAR test results of WiFi 2.4G CDD

Note:

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

Test Position of Body-Worn	Dist.	Test Mode	WiFi 2.4G CDD/MIMO 1-g SAR(W/kg)		
			Ant 5(Core 0)	Ant 6(Core 1)	CDD/MIMO (Ant 5(Core 0)+ Ant 6(Core 1))
Front Side	15mm	802.11g	0.008	0.071	0.079
Back Side	15mm	802.11g	0.098	0.127	0.225

Table 199: Body-Worn SAR of WiFi 2.4G CDD calculation

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
					1-g	10-g								
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)														
Ant 5(Core 0)														
Front Side	10mm	11/2462	802.11 b	0.240	/	/	0.05	99%	/	18.00	19.00	/	Battery 1#	/
Back Side	10mm	11/2462	802.11 b	0.293	0.296	0.157	-0.13	99%	0.299	18.00	19.00	0.376	Battery 1#	/
Right Side	10mm	11/2462	802.11 b	0.231	/	/	0.16	99%	/	18.00	19.00	/	Battery 1#	/
Top Side	10mm	11/2462	802.11 b	0.360	0.349	0.185	0.16	99%	0.353	18.00	19.00	0.444	Battery 1#	Yes
Top Side	10mm	11/2462	802.11 b	0.358	0.346	0.183	-0.13	99%	0.349	18.00	19.00	0.440	Battery 2#	/
Top Side	10mm	1/2412	802.11 b	0.236	0.237	0.124	0.06	99%	0.239	17.69	19.00	0.324	Battery 1#	/
Top Side	10mm	6/2437	802.11 b	0.311	0.304	0.158	-0.18	99%	0.307	17.82	19.00	0.403	Battery 1#	/
Ant 6(Core 1)														
Front Side	10mm	11/2462	802.11 b	0.026	/	/	-0.14	99%	/	17.81	18.50	/	Battery 1#	/
Back Side	10mm	11/2462	802.11 b	0.148	/	/	-0.01	99%	/	17.81	18.50	/	Battery 1#	/
Left Side	10mm	11/2462	802.11 b	0.158	0.153	0.065	-0.19	99%	0.155	17.81	18.50	0.181	Battery 1#	/
Top Side	10mm	11/2462	802.11 b	0.017	/	/	-0.15	99%	/	17.81	18.50	/	Battery 1#	/
Left Side	10mm	11/2462	802.11 b	0.165	0.165	0.069	0.06	99%	0.167	17.81	18.50	0.195	Battery 2#	Yes
Left Side	10mm	1/2412	802.11 b	0.122	0.114	0.042	-0.12	99%	0.115	17.52	18.50	0.144	Battery 2#	/
Left Side	10mm	6/2437	802.11 b	0.067	0.061	0.028	0.03	99%	0.062	17.07	18.50	0.086	Battery 2#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)														
Ant 5(Core 0)														
Top Side	10mm	11/2462	802.11 b	0.153	0.141	0.071	-0.14	99%	0.142	18.00	19.00	0.179	Battery 1#	/
Ant 6(Core 1)														
Left Side	10mm	11/2462	802.11 b	0.037	0.032	0.013	0.16	99%	0.032	17.81	18.50	0.038	Battery 2#	/

Table 200: Hotspot SAR test results of WiFi 2.4G SISO

Note:

- 1) Per KDB248227D01, for Hotspot SAR test of WiFi 2.4G SISO, SAR is measured for 2.4 GHz 802.11b DSSS using the initial test position procedure. The highest *reported* SAR for DSSS is adjusted by the ratio of OFDM 802.11g/n to DSSS specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for 802.11g/n is not required.
- 2) Per KDB 648474 D04, Product Specific 10-g SAR test is not required for WiFi 2.4G SISO since hotspot mode 1-g reported SAR < 1.2 W/kg.
- 3) WiFi 2.4G CDD/MIMO does not support hotspot function.

Product Specific 10-g SAR	Dist.	Test Channel /Freq.(MHz)	Test Mode	Area Scan 10-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 10-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 10-g SAR (W/kg)	Accessory Information	SAR Plot.
					1-g	10-g								
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)														
Test data of WiFi 2.4G CDD with Ant 5(Core 0)														
Front Side	0mm	2/2417	802.11g	0.606	/	/	0.10	98%	/	16.23	18.00	/	Battery 1#	/
Back Side	0mm	2/2417	802.11g	0.763	2.090	0.724	-0.19	98%	0.739	16.23	18.00	1.110	Battery 1#	/
Left Side	0mm	2/2417	802.11g	0.111	/	/	0.16	98%	/	16.23	18.00	/	Battery 1#	/
Right Side	0mm	2/2417	802.11g	0.149	/	/	0.16	98%	/	16.23	18.00	/	Battery 1#	/
Top Side	0mm	2/2417	802.11g	0.808	2.110	0.776	-0.11	98%	0.792	16.23	18.00	1.190	Battery 1#	/
Top Side	0mm	2/2417	802.11g	0.763	1.810	0.675	0.09	98%	0.689	16.23	18.00	1.035	Battery 2#	/
Top Side	0mm	6/2437	802.11g	1.130	2.880	1.070	0.14	98%	1.092	16.17	18.00	1.664	Battery 1#	Yes
Top Side	0mm	10/2457	802.11g	0.936	2.010	0.794	-0.14	98%	0.810	16.22	18.00	1.221	Battery 1#	/
Test data of WiFi 2.4G CDD with Ant 6(Core 1)														
Front Side	0mm	10/2457	802.11g	0.071	/	/	0.00	98%	/	15.84	17.50	/	Battery 1#	/
Back Side	0mm	10/2457	802.11g	0.433	1.050	0.374	0.02	98%	0.382	15.84	17.50	0.559	Battery 1#	/
Left Side	0mm	10/2457	802.11g	0.221	0.667	0.229	-0.14	98%	0.234	15.84	17.50	0.342	Battery 1#	/
Right Side	0mm	10/2457	802.11g	0.111	/	/	-0.12	98%	/	15.84	17.50	/	Battery 1#	/
Top Side	0mm	10/2457	802.11g	0.187	0.434	0.155	-0.06	98%	0.158	15.84	17.50	0.232	Battery 1#	/
Back Side	0mm	10/2457	802.11g	0.442	1.260	0.436	-0.03	98%	0.445	15.84	17.50	0.652	Battery 2#	Yes
Back Side	0mm	2/2417	802.11g	0.425	1.020	0.363	0.02	98%	0.370	15.69	17.50	0.562	Battery 2#	/
Back Side	0mm	6/2437	802.11g	0.439	1.250	0.433	-0.03	98%	0.442	15.58	17.50	0.687	Battery 2#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)														
Test data of WiFi 2.4G CDD with Ant 5(Core 0)														
Top Side	0mm	6/2437	802.11g	0.491	1.140	0.452	-0.12	98%	0.461	16.17	18.00	0.703	Battery 1#	/
Test data of WiFi 2.4G CDD with Ant 6(Core 1)														
Back Side	0mm	10/2457	802.11g	0.196	0.542	0.209	-0.16	98%	0.213	15.84	17.50	0.313	Battery 2#	/

Table 201: Product Specific 10-g SAR test results of WiFi 2.4G CDD

Note:

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

Product Specific 10-g SAR	Dist.	Test Mode	WiFi 2.4G CDD/MIMO 10-g SAR (W/kg)		
			Ant 5(Core 0)	Ant 6(Core 1)	CDD/MIMO(Ant 5(Core 0)+ Ant 6(Core 1))
Front Side	0mm	802.11g	1.664	0.687	2.351
Back Side	0mm	802.11g	1.664	0.687	2.351
Left Side	0mm	802.11g	1.664	0.687	2.351
Right Side	0mm	802.11g	1.664	0.687	2.351
Top Side	0mm	802.11g	1.664	0.687	2.351

Table 202: Product Specific 10-g SAR of WiFi 2.4G CDD calculation

## 7.2.17 SAR measurement Result of WiFi 5G

Test Position of Head	Dist.	Test Channel / Freq.(MHz)	Test Mode	Area Scan 1-g SAR (W/kg)	Measured SAR(W/kg)		Power Drift (dB)	Actual duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
					1-g	10-g								
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)														
Ant 5(Core 0)														
Test data of U-NII-2A band														
Left cheek	/	58/5290	802.11ac(80M)	0.099	0.071	0.022	-0.15	96%	0.074	6.57	8.50	0.116	Battery 1#	/
Left tilt	/	58/5290	802.11ac(80M)	0.041	/	/	0.11	96%	/	6.57	8.50	/	Battery 1#	/
Right cheek	/	58/5290	802.11ac(80M)	0.047	/	/	-0.01	96%	/	6.57	8.50	/	Battery 1#	/
Right tilt	/	58/5290	802.11ac(80M)	0.050	/	/	-0.17	96%	/	6.57	8.50	/	Battery 1#	/
Left cheek	/	58/5290	802.11ac(80M)	0.011	0.012	0.003	0.08	96%	0.012	6.57	8.50	0.019	Battery 2#	/
Test data of U-NII-2C band														
Left cheek	/	114/5570	802.11ac(160M)	0.060	/	/	0.16	96%	0.000	7.82	8.50	0.000	Battery 1#	/
Left tilt	/	114/5570	802.11ac(160M)	0.101	0.093	0.026	-0.18	96%	0.097	7.82	8.50	0.115	Battery 1#	/
Right cheek	/	114/5570	802.11ac(160M)	0.057	/	/	0.13	96%	/	7.82	8.50	/	Battery 1#	/
Right tilt	/	114/5570	802.11ac(160M)	0.063	/	/	-0.15	96%	/	7.82	8.50	/	Battery 1#	/
Left tilt	/	114/5570	802.11ac(160M)	0.099	0.087	0.023	0.00	96%	0.090	7.82	8.50	0.105	Battery 2#	/
Test data of U-NII-3 band														
Left cheek	/	155/5775	802.11ac(80M)	0.119	/	/	-0.10	96%	/	7.57	8.50	/	Battery 1#	/
Left tilt	/	155/5775	802.11ac(80M)	0.172	0.143	0.040	-0.11	96%	0.149	7.57	8.50	0.185	Battery 1#	/
Right cheek	/	155/5775	802.11ac(80M)	0.095	/	/	-0.01	96%	/	7.57	8.50	/	Battery 1#	/
Right tilt	/	155/5775	802.11ac(80M)	0.103	/	/	0.12	96%	/	7.57	8.50	/	Battery 1#	/
Left tilt	/	155/5775	802.11ac(80M)	0.175	0.151	0.042	-0.01	96%	0.157	7.57	8.50	0.195	Battery 2#	/
Ant 6(Core 1)														
Test data of U-NII-2A band														
Left cheek	/	58/5290	802.11ac(80M)	0.005	/	/	0.00	96%	/	7.08	8.50	/	Battery 1#	/
Left tilt	/	58/5290	802.11ac(80M)	0.016	/	/	0.00	96%	/	7.08	8.50	/	Battery 1#	/
Right cheek	/	58/5290	802.11ac(80M)	0.025	/	/	0.12	96%	/	7.08	8.50	/	Battery 1#	/
Right tilt	/	58/5290	802.11ac(80M)	0.028	0.025	0.007	-0.19	96%	0.026	7.08	8.50	0.036	Battery 1#	/
Right tilt	/	58/5290	802.11ac(80M)	0.017	0.004	0.004	-0.10	96%	0.004	7.08	8.50	0.005	Battery 2#	/
Test data of U-NII-2C band														
Left cheek	/	114/5570	802.11ac(160M)	0.003	/	/	0.00	96%	/	7.16	8.50	/	Battery 1#	/
Left tilt	/	114/5570	802.11ac(160M)	0.011	/	/	0.00	96%	/	7.16	8.50	/	Battery 1#	/
Right cheek	/	114/5570	802.11ac(160M)	0.016	/	/	-0.18	96%	/	7.16	8.50	/	Battery 1#	/
Right tilt	/	114/5570	802.11ac(160M)	0.018	0.002	0.000	0.00	96%	0.002	7.16	8.50	0.003	Battery 1#	/
Right tilt	/	114/5570	802.11ac(160M)	0.015	0.003	0.000	0.00	96%	0.003	7.16	8.50	0.004	Battery 2#	/
Test data of U-NII-3 band														
Left cheek	/	155/5775	802.11ac(80M)	0.005	/	/	0.00	96%	/	6.56	8.50	/	Battery 1#	/
Left tilt	/	155/5775	802.11ac(80M)	0.017	/	/	0.00	96%	/	6.56	8.50	/	Battery 1#	/
Right cheek	/	155/5775	802.11ac(80M)	0.028	/	/	0.00	96%	/	6.56	8.50	/	Battery 1#	/
Right tilt	/	155/5775	802.11ac(80M)	0.032	0.030	0.008	-0.19	96%	0.031	6.56	8.50	0.038	Battery 1#	Yes
Right tilt	/	155/5775	802.11ac(80M)	0.018	0.011	0.003	-0.05	96%	0.011	6.56	8.50	0.018	Battery 2#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)														
Ant 5(Core 0)														
Left tilt	/	155/5775	802.11ac(80M)	0.264	0.278	0.080	0.12	96%	0.290	7.57	8.50	0.359	Battery 2#	Yes



Ant 6(Core 1)													
Right tilt	/	155/5775	802.11ac(80M)	<0.001	<0.001	<0.001	0.00	96%	<0.001	6.56	8.50	<0.001	Battery 1# /

Table 203: Head SAR test results of WiFi 5G SISO

Note:

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

Test Position of Head	Dist.	Test Mode	WiFi 1-g SAR (W/kg)		
			Ant 5(Core 0)	Ant 6(Core 1)	MIMO(Ant 5(Core 0)+Ant 6(Core 1))
CDD/MIMO					
U-NII-1&U-NII-2A band					
Left cheek	/	802.11ac(80M)	0.116	0.036	0.152
Left tilt	/	802.11ac(80M)	0.116	0.036	0.152
Right cheek	/	802.11ac(80M)	0.116	0.036	0.152
Right tilt	/	802.11ac(80M)	0.116	0.036	0.152
U-NII-2C band					
Left cheek	/	802.11ac(160M)	0.115	0.004	0.117
Left tilt	/	802.11ac(160M)	0.115	0.004	0.117
Right cheek	/	802.11ac(160M)	0.115	0.004	0.117
Right tilt	/	802.11ac(160M)	0.115	0.004	0.117
U-NII-3 band					
Left cheek	/	802.11ac(80M)	0.359	0.038	<b>0.397</b>
Left tilt	/	802.11ac(80M)	0.359	0.038	0.397
Right cheek	/	802.11ac(80M)	0.359	0.038	0.397
Right tilt	/	802.11ac(80M)	0.359	0.038	0.397

Table 204: Head SAR of WiFi 5G CDD/MIMO



1) Per KDB248227D01, for Body-Worn SAR test of WiFi 5G , SAR is measured for 5GHz 802.11a using the initial test position procedure. The highest reported SAR for 802.11a is adjusted by the ratio of other WiFi 5G modes to 802.11a specified maximum output power and the adjusted SAR is < 1.2 W/kg, so SAR for other WiFi 5G modes are not required.

2) When the same maximum output power is specified for both bands, begin SAR measurement in U-NII-2A band by applying the OFDM SAR requirements. As the highest reported SAR for a test configuration is  $\leq 1.2$  W/kg, SAR is not required for U-NII-1 band for that configuration (802.11 mode and exposure condition);

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

Test Position of Body-Worn	Dist.	Test Mode	WiFi 5G CDD/MIMO 1-g SAR (W/kg)		
			Ant 5(Core 0)	Ant 6(Core 1)	CDD/MIMO(Ant 5(Core 0)+Ant 6(Core 1))
Test data of U-NII-1&U-NII-2A band					
Front Side	15mm	802.11a	0.061	0.084	0.145
Back Side	15mm	802.11a	0.061	0.084	0.145
U-NII-2C band					
Front Side	15mm	802.11a	0.204	0.075	<b>0.279</b>
Back Side	15mm	802.11a	0.204	0.075	0.279
U-NII-3 band					
Front Side	15mm	802.11a	0.040	0.037	0.077
Back Side	15mm	802.11a	0.040	0.037	0.077

Table 206: Body-Worn SAR of WiFi 5G CDD calculation



Note:

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

Test Position of Hotspot	Dist.	Test Mode	WiFi 1-g SAR (W/kg)		
			Ant 5(Core 0)	Ant 6(Core 1)	CDD/MIMO(Ant 5(Core 0)+Ant 6(Core 1))
U-NII-1 band					
Front Side	10mm	802.11a	0.112	0.132	0.244
Back Side	10mm	802.11a	0.112	0.132	0.244
Left Side	10mm	802.11a	0.112	0.132	0.244
Right Side	10mm	802.11a	0.112	0.132	0.244
Top Side	10mm	802.11a	0.112	0.132	0.244
U-NII-3 band					
Front Side	10mm	802.11a	0.202	0.107	0.309
Back Side	10mm	802.11a	0.202	0.107	0.309
Left Side	10mm	802.11a	0.202	0.107	0.309
Right Side	10mm	802.11a	0.202	0.107	0.309
Top Side	10mm	802.11a	0.202	0.107	<b>0.309</b>

Table 208: Hotspot SAR of WiFi 5G CDD



Note:

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

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

Product Specific 10-g SAR	Dist.	Test Mode	WiFi 10-g SAR (W/kg)		
			Ant 5(Core 0)	Ant 6(Core 1)	CDD/MIMO(Ant 5(Core 0)+Ant 6(Core 1))
CDD/MIMO					
Test data of U-NII-2A band					
Front Side	0mm	802.11a	0.996	0.704	1.700
Back Side	0mm	802.11a	0.996	0.704	1.700
Left Side	0mm	802.11a	0.996	0.704	1.700
Right Side	0mm	802.11a	0.996	0.704	1.700
Top Side	0mm	802.11a	0.996	0.704	1.700
Test data of U-NII-2C band					
Front Side	0mm	802.11a	1.746	0.672	2.418
Back Side	0mm	802.11a	1.746	0.672	2.418
Left Side	0mm	802.11a	1.746	0.672	2.418
Right Side	0mm	802.11a	1.746	0.672	2.418
Top Side	0mm	802.11a	1.746	0.672	<b>2.418</b>

Table 210: Product Specific 10-g SAR of WiFi 5G CDD calculation

## 7.2.18 SAR measurement Result of BT

Test Position of Head	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Duty cycle for test	Low duty cycle	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g									
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)														
Power level A with low duty cycle														
Left cheek	/	11/2413	DH5	0.586	0.259	-0.02	77%	2%	0.015	16.07	17.01	0.019	Battery 1#	/
Left tilt	/	11/2413	DH5	0.674	0.277	-0.07	77%	2%	0.018	16.07	17.01	0.022	Battery 1#	/
Right cheek	/	11/2413	DH5	0.255	0.132	-0.12	77%	2%	0.007	16.07	17.01	0.008	Battery 1#	/
Right tilt	/	11/2413	DH5	0.352	0.178	-0.05	77%	2%	0.009	16.07	17.01	0.011	Battery 1#	/
Left tilt	/	11/2413	DH5	0.668	0.271	-0.05	77%	2%	0.017	16.07	17.01	0.022	Battery 2#	/
Left tilt	/	22/2424	DH5	0.949	0.393	-0.09	77%	2%	0.025	15.33	17.01	0.036	Battery 1#	/
Left Tilt Repeat	/	22/2424	DH5	0.941	0.386	-0.06	77%	2%	0.024	15.33	17.01	0.036	Battery 1#	/
Left tilt	/	33/2435	DH5	0.713	0.291	-0.03	77%	2%	0.019	15.65	17.01	0.025	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)														
Power level A with low duty cycle														
Left tilt	/	22/2424	DH5	0.476	0.189	0.01	77%	2%	0.012	15.33	17.01	0.018	Battery 1#	/

Table 211: Head SAR test results of BT power level A(Scaled to 2% duty cycle )

Test Position of Head	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Duty cycle for test	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g								
Power level B with High duty cycle													
Left cheek	/	39/2441	DH5	0.133	0.056	-0.11	77%	0.173	9.71	11.00	0.232	Battery 1#	/
Left tilt	/	39/2441	DH5	0.139	0.056	-0.16	77%	0.181	9.71	11.00	0.243	Battery 1#	/
Right cheek	/	39/2441	DH5	0.061	0.029	0.12	77%	0.079	9.71	11.00	0.107	Battery 1#	/
Right tilt	/	39/2441	DH5	0.062	0.030	0.00	77%	0.081	9.71	11.00	0.109	Battery 1#	/
Left tilt	/	39/2441	DH5	0.156	0.061	0.01	77%	0.203	9.71	11.00	0.273	Battery 2#	Yes
Left tilt	/	11/2413	DH5	0.094	0.038	-0.06	77%	0.122	9.17	11.00	0.186	Battery 1#	/
Left tilt	/	67/2469	DH5	0.150	0.058	-0.09	77%	0.195	9.04	11.00	0.306	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)													
Power level B with High duty cycle													
Left tilt	/	33/2435	DH5	0.112	0.043	0.14	77%	0.145	9.04	11.00	0.228	Battery 1#	/

Table 212: Head SAR test results of BT power level B(Scaled to 100% duty cycle )



Test Position of Body-Worn	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Duty cycle for test	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g								
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)													
Test data for power level A													
Front Side	15mm	11/2413	DH5	0.039	0.022	0.06	77%	0.051	16.07	17.01	0.063	Battery 1#	/
Back Side	15mm	11/2413	DH5	0.047	0.027	-0.15	77%	0.061	16.07	17.01	0.075	Battery 1#	/
Back Side	15mm	11/2413	DH5	0.046	0.026	0.08	77%	0.060	16.07	17.01	0.074	Battery 2#	/
Back Side	15mm	22/2424	DH5	0.087	0.049	-0.10	77%	0.112	15.33	17.01	0.166	Battery 1#	Yes
Back Side	15mm	32/2434	DH5	0.068	0.039	-0.19	77%	0.088	15.65	17.01	0.121	Battery 1#	/
Test data for power level B													
Front Side	15mm	39/2441	DH5	0.012	0.013	0.01	77%	0.016	9.71	11.00	0.022	Battery 1#	/
Back Side	15mm	39/2441	DH5	0.016	0.008	-0.15	77%	0.021	9.71	11.00	0.028	Battery 1#	/
Back Side	15mm	39/2441	DH5	0.015	0.008	0.17	77%	0.019	9.71	11.00	0.026	Battery 2#	/
Back Side	15mm	11/2413	DH5	0.012	0.007	0.14	77%	0.016	9.17	11.00	0.024	Battery 1#	/
Back Side	15mm	67/2469	DH5	0.018	0.010	0.11	77%	0.023	9.04	11.00	0.037	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)													
Test data for power level A													
Back Side	15mm	22/2424	DH5	0.034	0.020	-0.02	77%	0.045	15.33	17.01	0.066	Battery 1#	/
Test data for power level B													
Back Side	15mm	67/2469	DH5	0.008	0.004	-0.19	77%	0.010	9.04	11.00	0.016	Battery 1#	/

Table 213: Body-Worn SAR test results of BT(Scaled to 100% duty cycle )

Test Position of Hotspot	Dist.	Test Channel /Freq.(MHz)	Test Mode	Measured SAR(W/kg)		Power Drift (dB)	Duty cycle for test	Scaled 1-g SAR (W/kg)	Conducted Power (dBm)	Tune-up Power (dBm)	Reported 1-g SAR (W/kg)	Accessory Information	SAR Plot.
				1-g	10-g								
Test data from report (report no.: SYBH(Z-SAR)20181115007001-2)													
Test data for power level A													
Front Side	10mm	11/2413	DH5	0.084	0.046	-0.01	77%	0.109	16.07	17.01	0.136	Battery 1#	/
Back Side	10mm	11/2413	DH5	0.109	0.061	-0.08	77%	0.142	16.07	17.01	0.135	Battery 1#	/
Right Side	10mm	11/2413	DH5	0.064	0.027	0.05	77%	0.083	16.07	17.01	0.080	Battery 1#	/
Top Side	10mm	11/2413	DH5	0.172	0.090	0.14	77%	0.223	16.07	17.01	0.214	Battery 1#	/
Top Side	10mm	11/2413	DH5	0.140	0.073	-0.14	77%	0.182	16.07	17.01	0.174	Battery 2#	/
Top Side	10mm	22/2424	DH5	0.232	0.127	-0.13	77%	0.301	15.33	17.01	0.342	Battery 1#	Yes
Top Side	10mm	32/2434	DH5	0.229	0.121	-0.11	77%	0.297	15.65	17.01	0.313	Battery 1#	/
Test data for power level B													
Front Side	10mm	39/2441	DH5	0.016	0.009	-0.09	77%	0.021	9.71	11.00	0.028	Battery 1#	/
Back Side	10mm	39/2441	DH5	0.027	0.012	-0.17	77%	0.035	9.71	11.00	0.036	Battery 1#	/
Right Side	10mm	39/2441	DH5	0.019	0.006	0.17	77%	0.025	9.71	11.00	0.026	Battery 1#	/
Top Side	10mm	39/2441	DH5	0.032	0.016	0.00	77%	0.041	9.71	11.00	0.043	Battery 1#	/
Top Side	10mm	39/2441	DH5	0.029	0.015	-0.12	77%	0.037	9.71	11.00	0.038	Battery 2#	/
Top Side	10mm	11/2413	DH5	0.025	0.013	-0.04	77%	0.033	9.17	11.00	0.038	Battery 1#	/
Top Side	10mm	67/2469	DH5	0.031	0.015	-0.18	77%	0.041	9.04	11.00	0.049	Battery 1#	/
Tested with the optional wireless charging protective case based on the SAR worst case from report (report no.: SYBH(Z-SAR)20181115007001-2)													
Test data for power level A													
Top Side	10mm	22/2424	DH5	0.062	0.035	0.06	77%	0.080	15.33	17.01	0.091	Battery 1#	/
Test data for power level B													
Top Side	10mm	67/2469	DH5	0.014	0.007	-0.14	77%	0.018	9.04	11.00	0.022	Battery 1#	/

Table 214: Hotspot SAR test results of BT(Scaled to 100% duty cycle )

Note: Per KDB 648474 D04, Product Specific 10-g SAR test is not required for this frequency band since hotspot mode 1-g reported SAR < 1.2 W/kg.

### 7.3 Multiple Transmitter Evaluation

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

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

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

Table 215: Sides for Hotspot/Product specific 10g SAR testing

Note:

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

### 7.3.1 Simultaneous Transmission Possibilities

The Simultaneous Transmission Possibilities of this device are as below:

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

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

Table 216: Simultaneous Transmission Possibilities

Note:

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

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

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

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

14	UMTS (Ant 3or4) + BT+ Wi-Fi 2.4G (Ant 6)	Yes	Yes	Yes	Yes
15	LTE (Ant 1or2) + BT+ Wi-Fi 2.4G (Ant 6)	Yes	Yes	Yes	Yes
16	LTE (Ant 3or4) + BT+ Wi-Fi 2.4G (Ant 6)	Yes	Yes	Yes	Yes
17	GSM Voice(Ant 1or2) + BT+ Wi-Fi 5G (Ant 6)	Yes	Yes	N/A	Yes
18	GSM DATA(Ant 1or2) + BT+ Wi-Fi 5G (Ant 6)	N/A	Yes	Yes	Yes
19	GSM Voice(Ant 3or4) + BT+ Wi-Fi 5G (Ant 6)	Yes	Yes	N/A	Yes
20	GSM DATA (Ant 3or4)+ BT+ Wi-Fi 5G (Ant 6)	N/A	Yes	Yes	Yes
21	UMTS (Ant 1or2) + BT+ Wi-Fi 5G (Ant 6)	Yes	Yes	Yes	Yes
22	UMTS (Ant 3or4) + BT+ Wi-Fi 5G (Ant 6)	Yes	Yes	Yes	Yes
23	LTE (Ant 1or2) + BT+ Wi-Fi 5G (Ant 6)	Yes	Yes	Yes	Yes
24	LTE (Ant 3or4) + BT+ Wi-Fi 5G (Ant 6)	Yes	Yes	Yes	Yes

Table 217: Simultaneous Transmission Possibilities with BT Power Level A

- 1) When BT is in high power level A, BT and Wi-Fi 5G Ant 5(Core 0)/WIFI 5G CDD/MIMO cannot transmit simultaneously because BT occupies Wifi 5G Ant 5(Core 0) 's RF channel. They are time division multiplexing.
- 2) When WiFi 2.4G and 5G are both on at the same time, BT can only work at power B. BT High Power A will be limited by design.
- 3) Ant5=WiFi Core 0/BT; Ant6=WiFi Core 1.

### 7.3.2 SAR Summation Scenario

Test Position		Second antenna SAR <sub>Max</sub>															Second antenna MaxSAR
		GSM850	GSM1900	UMTS Band II	UMTS Band IV	UMTS Band V	LTE Band 2	LTE Band 4	LTE Band 5	LTE Band 7	LTE Band 12	LTE Band 17	LTE Band 26	LTE Band 38	LTE Band 41	LTE Band 66	
Head	Left cheek	0.306	0.141	0.130	0.191	0.235	0.163	0.214	0.338	0.119	0.261	0.387	0.398	0.169	0.158	0.213	0.398
	Left tilt	0.283	0.193	0.177	0.321	0.201	0.203	0.264	0.339	0.136	0.202	0.353	0.328	0.212	0.144	0.336	0.353
	Right cheek	0.298	0.228	0.330	0.220	0.281	0.296	0.248	0.437	0.264	0.372	0.351	0.486	0.370	0.328	0.265	0.486
	Right tilt	0.273	0.403	0.234	0.451	0.247	0.370	0.217	0.341	0.340	0.527	0.423	0.473	0.440	0.417	0.388	0.527
Body Worn	Front Side	0.047	0.018	0.102	0.198	0.150	0.040	0.150	0.163	0.061	0.099	0.062	0.128	0.124	0.156	0.168	0.198
	Back Side	0.054	0.031	0.193	0.354	0.204	0.168	0.292	0.229	0.140	0.187	0.165	0.169	0.153	0.197	0.357	0.357
Hotspot	Front Side	0.126	0.052	0.086	0.125	0.149	0.066	0.195	0.167	0.132	0.096	0.126	0.151	0.162	0.170	0.143	0.195
	Back Side	0.118	0.070	0.138	0.360	0.192	0.124	0.285	0.186	0.220	0.169	0.248	0.208	0.322	0.232	0.313	0.360
	Left Side	0.074	0.018	0.014	0.060	0.090	0.029	0.056	0.103	0.137	0.034	0.045	0.087	0.183	0.177	0.062	0.183
	Right Side	0.011	/	/	/	0.015	/	/	0.017	/	0.014	0.020	0.011	/	/	/	0.020
	Top Side	0.082	0.150	0.205	0.365	0.126	0.200	0.342	0.166	0.576	0.081	0.104	0.098	0.426	0.467	0.418	0.576
	Bottom Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Product Specific 10-g	Front Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Back Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Left Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Right Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Top Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Bottom Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

Table 218: Second antenna Max SAR



Test Position		Main antenna SAR <sub>Max</sub>														Main antenna MaxSAR	
		GSM 850	GSM 1900	UMTS Band II	UMTS Band IV	UMTS Band V	LTE Band 2	LTE Band 4	LTE Band 5	LTE Band 7	LTE Band 12	LTE Band 17	LTE Band 26	LTE Band 38	LTE Band 41		LTE Band 66
Head	Left cheek	0.092	0.160	0.220	0.294	0.117	0.257	0.328	0.147	0.115	0.166	/	0.145	0.064	0.071	0.230	0.328
	Left tilt	0.042	0.044	0.102	0.180	0.060	0.095	0.156	0.071	0.083	0.069	/	0.094	0.054	0.054	0.122	0.180
	Right cheek	0.107	0.070	0.174	0.251	0.141	0.166	0.202	0.154	0.246	0.138	/	0.190	0.159	0.140	0.187	0.251
	Right tilt	0.044	0.041	0.105	0.172	0.056	0.093	0.143	0.065	0.047	0.057	/	0.086	0.029	0.026	0.120	0.172
Body Worn	Front Side	0.216	0.102	0.277	0.514	0.243	0.231	0.383	0.295	0.158	0.254	/	0.284	0.105	0.125	0.361	0.514
	Back Side	0.321	0.158	0.414	0.477	0.369	0.368	0.555	0.435	0.412	0.366	/	0.407	0.250	0.307	0.474	0.555
Hotspot	Front Side	0.330	0.231	0.253	0.389	0.312	0.297	0.359	0.432	0.229	0.437	/	0.439	0.133	0.157	0.265	0.439
	Back Side	0.537	0.298	0.404	0.512	0.432	0.418	0.477	0.581	0.319	0.555	/	0.585	0.257	0.341	0.335	0.585
	Left Side	0.341	/	/	/	0.359	/	/	0.432	/	0.574	/	0.410	/	/	/	0.574
	Right Side	/	0.153	0.186	0.085	/	0.194	0.222	/	0.102	/	/	/	0.062	0.086	0.258	0.258
	Top Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Bottom Side	0.285	0.593	/	0.684	0.234	0.648	0.295	0.308	0.634	0.179	/	0.320	0.587	0.498	0.411	0.684
Product Specific 10-g	Front Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Back Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Left Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Right Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Top Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Bottom Side	/	/	/	1.817	/	/	/	/	/	/	/	/	/	/	/	/

Table 219: Main antenna Max SAR

Test Position		Second antenna MaxSAR	WiFi 2.4G Ant 5(Core 0)	WiFi 2.4G Ant 6(Core 1)	WiFi 2.4G MIMO	WiFi 5G Ant 5(Core 0)	WiFi 5G Ant 6(Core 1)	WiFi 5G MIMO	BT Power Level B	Simultaneously Transmission SAR						
										1	2	3	4	5	6	7
Head	Left cheek	0.398	0.511	0.084	0.427	0.395	0.048	0.397	0.232	0.630	0.909	0.714	0.795	0.877	1.027	1.109
	Left tilt	0.353	0.404	0.084	0.427	0.395	0.048	0.397	0.306	0.659	0.780	0.743	0.750	0.832	1.056	1.138
	Right cheek	0.486	0.511	0.084	0.427	0.395	0.048	0.397	0.107	0.593	0.997	0.677	0.883	0.965	0.990	1.072
	Right tilt	0.527	0.511	0.084	0.427	0.395	0.048	0.397	0.109	0.636	1.038	0.720	0.924	1.006	1.033	1.115
Body Worn	Front Side	0.198	0.221	0.175	0.079	0.204	0.084	0.279	0.016	0.214	0.419	0.389	0.477	0.577	0.493	0.593
	Back Side	0.357	0.221	0.175	0.225	0.204	0.084	0.279	0.023	0.380	0.582	0.555	0.636	0.736	0.659	0.759
Hotspot	Front Side	0.195	0.444	0.195	/	0.202	0.132	0.309	0.021	0.216	0.639	0.411	0.504	0.592	0.525	0.613
	Back Side	0.360	0.376	0.195	/	0.202	0.132	0.309	0.035	0.395	0.736	0.590	0.669	0.757	0.704	0.792
	Left Side	0.183	/	0.195	/	0.202	0.132	0.309	/	0.183	0.378	0.378	0.492	0.580	0.492	0.580
	Right Side	0.020	0.444	/	/	0.202	0.132	0.309	0.025	0.045	0.464	0.045	0.329	0.222	0.354	0.247
	Top Side	0.576	0.444	0.195	/	0.202	0.132	0.309	0.041	0.617	1.020	0.812	0.885	0.973	0.926	1.014
	Bottom Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Product Specific 10-g	Front Side	/	/	/	2.351	1.746	0.704	2.418	/	/	2.351	/	2.418	1.746	2.418	1.746
	Back Side	/	/	/	2.351	1.746	0.704	2.418	/	/	2.351	/	2.418	1.746	2.418	1.746
	Left Side	/	/	/	2.351	1.746	0.704	2.418	/	/	2.351	/	2.418	1.746	2.418	1.746
	Right Side	/	/	/	2.351	1.746	0.704	2.418	/	/	2.351	/	2.418	1.746	2.418	1.746
	Top Side	/	/	/	2.351	1.746	0.704	2.418	/	/	2.351	/	2.418	1.746	2.418	1.746
	Bottom Side	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

Table 220: SAR Simultaneous Tx Combination of Second antenna with WiFi/BT Scenario (BT: Power level B)

Test Position		Main antenna MaxSAR	WiFi 2.4G Ant 5(Core 0)	WiFi 2.4G Ant 6(Core 1)	WiFi 2.4G MIMO	WiFi 5G Ant 5(Core 0)	WiFi 5G Ant 6(Core 1)	WiFi 5G MIMO	BT Power Level B	Simultaneously Transmission SAR						
										1	2	3	4	5	6	7
Head	Left cheek	0.328	0.511	0.084	0.427	0.195	0.048	0.243	0.232	0.560	0.839	0.644	0.571	0.607	0.803	0.839
	Left tilt	0.180	0.404	0.084	0.427	0.195	0.048	0.243	0.306	0.486	0.607	0.570	0.423	0.459	0.729	0.765
	Right cheek	0.251	0.511	0.084	0.427	0.195	0.048	0.243	0.107	0.358	0.762	0.442	0.494	0.530	0.601	0.637
	Right tilt	0.172	0.511	0.084	0.427	0.195	0.048	0.243	0.109	0.281	0.683	0.365	0.415	0.451	0.524	0.560
Body Worn	Front Side	0.514	0.221	0.175	0.079	0.163	0.084	0.238	0.016	0.530	0.735	0.705	0.752	0.852	0.768	0.868
	Back Side	0.555	0.221	0.175	0.225	0.163	0.084	0.238	0.023	0.578	0.780	0.753	0.793	0.893	0.816	0.916
Hotspot	Front Side	0.439	0.444	0.195	/	0.157	0.132	0.264	0.021	0.460	0.883	0.655	0.703	0.791	0.724	0.812
	Back Side	0.585	0.376	0.195	/	0.157	0.132	0.264	0.035	0.620	0.961	0.815	0.849	0.937	0.884	0.972
	Left Side	0.574	/	0.195	/	0.157	0.132	0.264	/	0.574	0.769	0.769	0.838	0.926	0.838	0.926
	Right Side	0.258	0.444	/	/	0.157	/	0.264	0.025	0.283	0.702	0.283	0.522	0.415	0.547	0.440
	Top Side	/	0.444	0.195	/	0.157	0.132	0.264	0.041	0.041	0.444	0.236	0.264	0.352	0.305	0.393
	Bottom Side	0.684	/	/	/	/	/	/	/	0.684	0.684	0.684	0.684	0.684	0.684	0.684
Product Specific 10-g	Front Side	/	/	/	2.351	1.746	0.704	2.418	/	/	2.351	/	2.418	1.746	2.418	1.746
	Back Side	/	/	/	2.351	1.746	0.704	2.418	/	/	2.351	/	2.418	1.746	2.418	1.746
	Left Side	/	/	/	2.351	1.746	0.704	2.418	/	/	2.351	/	2.418	1.746	2.418	1.746
	Right Side	/	/	/	2.351	1.746	0.704	2.418	/	/	2.351	/	2.418	1.746	2.418	1.746
	Top Side	/	/	/	2.351	1.746	0.704	2.418	/	/	2.351	/	2.418	1.746	2.418	1.746
	Bottom Side	1.817	/	/	/	/	/	/	/	/	1.817	1.817	1.817	1.817	1.817	1.817

Table 221: SAR Simultaneous Tx Combination of Main antenna with WiFi/BT Scenario (BT: Power level B)

Test Position		Second antenna MaxSAR	WiFi 2.4G Ant 5(Core 0)	WiFi 2.4G Ant 6(Core 1)	WiFi 2.4G MIMO	WiFi 5G Ant 5(Core 0)	WiFi 5G Ant 6(Core 1)	WiFi 5G MIMO	BT Power Level A	Simultaneously Transmission SAR				
		1	2	3	4	5	6	7	8	1+8	3+8	6+8	1+3+8	1+6+8
Head	Left cheek	0.398	0.511	0.084	0.427	0.395	0.048	0.397	0.015	0.413	0.099	0.063	0.497	0.461
	Left tilt	0.353	0.404	0.084	0.427	0.395	0.048	0.397	0.025	0.378	0.109	0.073	0.462	0.426
	Right cheek	0.486	0.511	0.084	0.427	0.395	0.048	0.397	0.007	0.493	0.091	0.055	0.577	0.541
	Right tilt	0.527	0.511	0.084	0.427	0.395	0.048	0.397	0.009	0.536	0.093	0.057	0.620	0.584
Body Worn	Front Side	0.198	0.221	0.175	0.079	0.204	0.084	0.279	0.063	0.261	0.238	0.147	0.436	0.345
	Back Side	0.357	0.221	0.175	0.225	0.204	0.084	0.279	0.166	0.523	0.341	0.250	0.698	0.607
Hotspot	Front Side	0.195	0.444	0.195	/	0.202	0.132	0.309	0.136	0.331	0.331	0.268	0.526	0.463
	Back Side	0.360	0.376	0.195	/	0.202	0.132	0.309	0.135	0.495	0.330	0.267	0.690	0.627
	Left Side	0.183	/	0.195	/	0.202	0.132	0.309	/	0.183	0.195	0.132	0.378	0.315
	Right Side	0.020	0.444	/	/	0.202	0.132	0.309	0.080	0.100	0.080	0.212	0.100	0.232
	Top Side	0.576	0.444	0.195	/	0.202	0.132	0.309	0.342	0.918	0.537	0.474	1.113	1.050
	Bottom Side	/	/	/	/	/	/	/	/	/	/	/	/	/
Product Specific 10-g	Front Side	/	/	/	2.351	1.746	0.704	2.418	/	/	/	0.704	/	0.704
	Back Side	/	/	/	2.351	1.746	0.704	2.418	/	/	/	0.704	/	0.704
	Left Side	/	/	/	2.351	1.746	0.704	2.418	/	/	/	0.704	/	0.704
	Right Side	/	/	/	2.351	1.746	0.704	2.418	/	/	/	0.704	/	0.704
	Top Side	/	/	/	2.351	1.746	0.704	<b>2.418</b>	/	/	/	0.704	/	0.704
	Bottom Side	/	/	/	/	/	/	/	/	/	/	/	/	/

Table 222: SAR Simultaneous Tx Combination of Second antenna with WiFi/BT Scenario (BT: Power level A)

Test Position		main antenna MaxSAR	WiFi 2.4G Ant 5(Core 0)	WiFi 2.4G Ant 6(Core 1)	WiFi 2.4G MIMO	WiFi 5G Ant 5(Core 0)	WiFi 5G Ant 6(Core 1)	WiFi 5G MIMO	BT Power Level A	Simultaneously Transmission SAR				
										1	2	3	4	5
Head	Left cheek	0.328	0.511	0.084	0.427	0.195	0.048	0.243	0.015	0.343	0.099	0.063	0.427	0.391
	Left tilt	0.180	0.404	0.084	0.427	0.195	0.048	0.243	0.025	0.205	0.109	0.073	0.289	0.253
	Right cheek	0.251	0.511	0.084	0.427	0.195	0.048	0.243	0.007	0.258	0.091	0.055	0.342	0.306
	Right tilt	0.172	0.511	0.084	0.427	0.195	0.048	0.243	0.009	0.181	0.093	0.057	0.265	0.229
Body Worn	Front Side	0.514	0.221	0.175	0.079	0.163	0.084	0.238	0.063	0.577	0.238	0.147	0.752	0.661
	Back Side	0.555	0.221	0.175	0.225	0.163	0.084	0.238	0.166	0.721	0.341	0.250	0.896	0.805
Hotspot	Front Side	0.439	0.444	0.195	/	0.157	0.132	0.264	0.136	0.575	0.331	0.268	0.770	0.707
	Back Side	0.585	0.376	0.195	/	0.157	0.132	0.264	0.135	0.720	0.330	0.267	0.915	0.852
	Left Side	0.574	/	0.195	/	0.157	0.132	0.264	/	0.574	0.195	0.132	0.769	0.706
	Right Side	0.258	0.444	/	/	0.157	/	0.264	0.080	0.338	0.080	0.080	0.338	0.338
	Top Side	/	0.444	0.195	/	0.157	0.132	0.264	0.342	0.342	0.537	0.474	0.537	0.474
	Bottom Side	0.684	/	/	/	/	/	/	/	0.684	/	/	0.684	0.684
Product Specific 10-g	Front Side	/	/	/	2.351	1.746	0.704	2.418	/	/	/	0.704	/	0.704
	Back Side	/	/	/	2.351	1.746	0.704	2.418	/	/	/	0.704	/	0.704
	Left Side	/	/	/	2.351	1.746	0.704	2.418	/	/	/	0.704	/	0.704
	Right Side	/	/	/	2.351	1.746	0.704	2.418	/	/	/	0.704	/	0.704
	Top Side	/	/	/	2.351	1.746	0.704	<b>2.418</b>	/	/	/	0.704	/	0.704
	Bottom Side	1.817	/	/	/	/	/	/	/	1.817	/	/	1.817	1.817

Table 223: SAR Simultaneous Tx Combination of Main antenna with WiFi/BT Scenario (BT: Power level A)

### 7.3.3 Simultaneous Transmission Conclusion

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

**Appendix A. System Check Plots**

(Please See Appendix No.: SYBH(Z-SAR)20190117024001-2A, total: 71 pages)

**Appendix B. SAR Measurement Plots**

(Please See Appendix No.: SYBH(Z-SAR)20190117024001-2B, total: 117 pages)

**Appendix C. Calibration Certificate**

(Please See Appendix No.: SYBH(Z-SAR)20190117024001-2C, total: 343 pages)

**Appendix D. Photo documentation**

(Please See Appendix No.: SYBH(Z-SAR)20190117024001-2D, total: 10 pages)

**Appendix E. Antenna Location**

(Please See Appendix No.: SYBH(Z-SAR)20190117024001-2E, total: 1 pages)

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**End**