

**2.4G WLAN**

2.4GWIFI					
Mode	Channel Number	Frequency (MHz)	ANT1 Average Power (dBm)	ANT2 Average Power (dBm)	ANT_1+2 Average Power (dBm)
802.11b	1	2412	13.02	14.22	N/A
	7	2437	11.53	13.35	N/A
	11	2462	12.12	14.01	N/A
802.11g	1	2412	12.13	13.58	N/A
	7	2437	10.59	12.68	N/A
	11	2462	11.75	13.3	N/A
802.11 n-HT20	1	2412	9.91	11.29	13.66
	7	2437	8.38	10.57	12.62
	11	2462	9.06	11.4	13.4
802.11 n-HT40	3	2422	9.38	12.06	13.93
	6	2437	9	11.6	13.5
	9	2452	7.74	10.19	12.15



## LTE Conducted Power

### General Note:

1. Anritsu CMW500 base station simulator was used to setup the connection with EUT; the frequency band, channel bandwidth, RB allocation configuration, modulation type are set in the base station simulator to configure EUT transmitting at maximum power and at different configurations which are requested to be reported to FCC, for conducted power measurement and SAR testing.
2. Per KDB 941225 D05, when a properly configured base station simulator is used for the SAR and power measurements, spectrum plots for each RB allocation and offset configuration is not required.
3. Per KDB 941225 D05, start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel.
4. Per KDB 941225 D05, 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure.
5. Per KDB 941225 D05, For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are  $\leq 0.8$  W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is  $> 1.45$  W/kg, the remaining required test channels must also be tested.
6. Per KDB 941225 D05, 16QAM output power for each RB allocation configuration is  $>$  not  $\frac{1}{2}$  dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is  $\leq 1.45$  W/kg; Per KDB 941225 D05, 16QAM SAR testing is not required.
7. Per KDB 941225 D05, Smaller bandwidth output power for each RB allocation configuration is  $>$  not  $\frac{1}{2}$  dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is  $\leq 1.45$  W/kg; Per KDB 941225 D05, smaller bandwidth SAR testing is not required.



## LTE Band 2

LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	23.81	23.82	23.85
1.4	1	2		23.64	23.66	23.76
1.4	1	5		23.44	23.46	23.58
1.4	3	0		23.43	23.29	23.50
1.4	3	1		23.25	23.13	23.41
1.4	3	3		23.16	22.94	23.39
1.4	6	0		23.15	22.91	23.27
1.4	1	0	16-QAM	23.74	23.79	23.81
1.4	1	2		23.63	23.46	23.63
1.4	1	5		23.33	23.28	23.57
1.4	3	0		23.35	23.14	23.38
1.4	3	1		23.24	23.07	23.28
1.4	3	3		23.15	22.76	23.38
1.4	6	0		23.05	22.90	23.20
3	1	0	QPSK	23.88	23.92	23.96
3	1	7		23.78	23.82	23.78
3	1	14		23.65	23.80	23.69
3	8	0		23.49	23.66	23.57
3	8	3		23.33	23.51	23.50
3	8	7		23.27	23.35	23.46
3	15	0		23.18	23.15	23.39
3	1	0	16-QAM	23.74	23.86	23.86
3	1	7		23.64	23.75	23.63
3	1	14		23.58	23.70	23.55
3	8	0		23.35	23.52	23.53
3	8	3		23.32	23.39	23.36
3	8	7		23.12	23.34	23.42
3	15	0		23.06	22.98	23.26



## LTE BAND 2

LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	24.02	24.06	24.09
5	1	12		23.87	23.88	24.02
5	1	24		23.76	23.76	23.97
5	12	0		23.70	23.74	23.77
5	12	6		23.53	23.65	23.59
5	12	13		23.45	23.47	23.51
5	25	0		23.40	23.44	23.35
5	1	0	16-QAM	23.94	24.05	23.94
5	1	12		23.71	23.68	23.96
5	1	24		23.74	23.65	23.91
5	12	0		23.63	23.56	23.65
5	12	6		23.37	23.60	23.53
5	12	13		23.33	23.36	23.47
5	25	0		23.26	23.24	23.24
10	1	0	QPSK	24.13	24.23	24.29
10	1	24		24.12	24.19	24.15
10	1	49		24.01	24.13	24.10
10	25	0		23.91	23.98	24.03
10	25	12		23.85	23.97	24.01
10	25	25		23.70	23.79	23.91
10	50	0		23.69	23.73	23.84
10	1	0	16-QAM	24.06	24.21	24.19
10	1	24		24.03	24.06	24.10
10	1	49		24.00	23.98	23.99
10	25	0		23.78	23.95	23.95
10	25	12		23.83	23.87	23.88
10	25	25		23.56	23.67	23.83
10	50	0		23.53	23.59	23.82



## LTE BAND 2

LTE Band 2 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	24.26	24.29	24.32
15	1	37		24.24	24.22	24.22
15	1	74		24.07	24.15	24.19
15	36	0		23.95	24.14	24.18
15	36	18		23.86	24.11	24.10
15	36	39		23.76	24.05	23.93
15	75	0		23.69	23.98	23.80
15	1	0	16-QAM	24.23	24.16	24.16
15	1	38		24.13	24.11	24.16
15	1	74		23.99	24.01	24.15
15	36	0		23.78	24.13	24.06
15	36	18		23.73	24.00	23.92
15	36	39		23.64	23.91	23.84
15	75	0		23.64	23.97	23.60
20	1	0	QPSK	24.33	24.42	24.59
20	1	50		24.17	24.40	24.40
20	1	99		24.00	24.23	24.39
20	50	0		23.99	24.07	24.34
20	50	25		23.80	24.00	24.22
20	50	50		23.63	23.85	24.20
20	100	0		23.45	23.84	24.17
20	1	0	16-QAM	24.20	24.27	24.57
20	1	50		24.09	24.26	24.37
20	1	99		23.85	24.23	24.32
20	50	0		23.97	24.07	24.18
20	50	25		23.73	23.94	24.20
20	50	50		23.57	23.69	24.10
20	100	0		23.39	23.79	24.10



## LTE BAND 4

LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	23.68	23.79	23.84
1.4	1	2		23.54	23.64	23.84
1.4	1	5		23.46	23.58	23.78
1.4	3	0		23.36	23.38	23.61
1.4	3	1		23.35	23.34	23.54
1.4	3	3		23.26	23.19	23.36
1.4	6	0		23.21	23.16	23.24
1.4	1	0	16-QAM	23.57	23.76	23.70
1.4	1	2		23.50	23.50	23.78
1.4	1	5		23.45	23.56	23.71
1.4	3	0		23.28	23.26	23.44
1.4	3	1		23.31	23.27	23.51
1.4	3	3		23.08	23.15	23.19
1.4	6	0		23.19	23.03	23.23
3	1	0	QPSK	23.78	23.82	23.89
3	1	7		23.62	23.68	23.70
3	1	14		23.57	23.65	23.60
3	8	0		23.44	23.58	23.46
3	8	3		23.31	23.48	23.34
3	8	7		23.14	23.42	23.18
3	15	0		23.10	23.36	23.05
3	1	0	16-QAM	23.71	23.80	23.86
3	1	7		23.52	23.64	23.67
3	1	14		23.50	23.63	23.56
3	8	0		23.34	23.43	23.44
3	8	4		23.15	23.31	23.22
3	8	7		23.07	23.29	23.00
3	15	0		22.96	23.35	22.94



## LTE BAND 4

LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.81	23.89	23.92
5	1	12		23.76	23.79	23.73
5	1	24		23.68	23.67	23.70
5	12	0		23.68	23.64	23.61
5	12	6		23.56	23.59	23.55
5	12	13		23.37	23.56	23.39
5	25	0		23.34	23.44	23.38
5	1	0	16-QAM	23.77	23.82	23.79
5	1	12		23.66	23.77	23.55
5	1	24		23.50	23.50	23.60
5	12	0		23.59	23.55	23.47
5	12	6		23.37	23.41	23.54
5	12	13		23.32	23.47	23.37
5	25	0		23.17	23.40	23.32
10	1	0	QPSK	23.92	23.95	23.98
10	1	24		23.88	23.90	23.86
10	1	49		23.70	23.74	23.86
10	25	0		23.70	23.68	23.80
10	25	12		23.67	23.66	23.79
10	25	25		23.66	23.55	23.74
10	50	0		23.57	23.35	23.73
10	1	0	16-QAM	23.74	23.83	23.83
10	1	24		23.69	23.72	23.79
10	1	49		23.58	23.65	23.71
10	25	0		23.67	23.54	23.78
10	25	12		23.56	23.56	23.67
10	25	25		23.51	23.37	23.74
10	50	0		23.46	23.32	23.57



## LTE BAND 4

LTE Band 4 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	24.03	24.12	24.15
15	1	37		23.98	23.92	24.04
15	1	74		23.78	23.86	23.94
15	36	0		23.61	23.84	23.75
15	36	19		23.45	23.78	23.74
15	36	39		23.37	23.77	23.58
15	75	0		23.20	23.73	23.38
15	1	0	16-QAM	23.92	24.10	24.05
15	1	38		23.85	23.85	23.89
15	1	75		23.75	23.72	23.74
15	36	0		23.54	23.72	23.58
15	36	19		23.34	23.62	23.70
15	36	39		23.21	23.67	23.50
15	75	0		23.20	23.54	23.33
20	1	0	QPSK	24.29	24.35	24.56
20	1	50		24.17	24.16	24.45
20	1	99		24.11	24.00	24.28
20	50	0		24.01	23.86	24.11
20	50	25		24.00	23.68	23.98
20	50	50		23.82	23.61	23.82
20	100	0		23.67	23.52	23.64
20	1	0	16-QAM	24.18	24.18	24.53
20	1	50		24.04	24.06	24.31
20	1	99		24.02	23.94	24.16
20	50	0		23.92	23.70	23.93
20	50	25		23.88	23.50	23.93
20	50	50		23.78	23.57	23.72
20	100	0		23.62	23.45	23.57





## LTE BAND 5

LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	23.51	23.55	23.58
1.4	1	2		23.38	23.51	23.56
1.4	1	5		23.29	23.45	23.42
1.4	3	0		23.15	23.43	23.26
1.4	3	1		22.98	23.35	23.19
1.4	3	2		22.79	23.19	23.15
1.4	6	0		22.72	23.09	23.08
1.4	1	0	16-QAM	23.33	23.42	23.46
1.4	1	2		23.36	23.37	23.36
1.4	1	5		23.16	23.39	23.23
1.4	3	0		22.99	23.42	23.23
1.4	3	1		22.91	23.28	23.18
1.4	3	2		22.70	23.12	23.00
1.4	6	0		22.62	22.89	22.95
3	1	0	QPSK	23.52	23.56	23.61
3	1	7		23.34	23.46	23.43
3	1	14		23.17	23.45	23.35
3	8	0		23.03	23.42	23.30
3	8	4		23.02	23.39	23.20
3	8	7		22.95	23.35	23.03
3	15	0		22.82	23.16	22.95
3	1	0	16-QAM	23.42	23.52	23.42
3	1	7		23.28	23.32	23.27
3	1	14		23.07	23.27	23.16
3	8	0		22.93	23.40	23.23
3	8	4		22.86	23.32	23.07
3	8	7		22.84	23.29	22.83
3	15	0		22.80	23.01	22.92



## LTE BAND 5

LTE Band 5 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.62	23.75	23.78
5	1	12		23.45	23.58	23.70
5	1	24		23.29	23.53	23.67
5	12	0		23.23	23.39	23.53
5	12	6		23.09	23.26	23.39
5	12	11		22.98	23.22	23.31
5	25	0		22.89	23.21	23.12
5	1	0	16-QAM	23.58	23.60	23.70
5	1	12		23.39	23.47	23.56
5	1	24		23.26	23.46	23.49
5	12	0		23.22	23.21	23.50
5	12	6		22.92	23.11	23.36
5	12	11		22.82	23.06	23.18
5	25	0		22.74	23.05	23.02
10	1	0	QPSK	23.95	23.99	24.03
10	1	24		23.90	23.83	23.99
10	1	49		23.78	23.69	23.92
10	25	0		23.60	23.60	23.81
10	25	12		23.43	23.50	23.68
10	25	24		23.25	23.37	23.54
10	50	0		23.08	23.32	23.45
10	1	0	16-QAM	23.79	23.80	23.87
10	1	24		23.71	23.81	23.93
10	1	49		23.74	23.59	23.82
10	25	0		23.47	23.53	23.67
10	25	12		23.24	23.37	23.57
10	25	24		23.06	23.20	23.40
10	50	0		23.00	23.15	23.44



## LTE BAND 7

LTE Band 7 Maximum Average Power [dBm]

BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.12	23.26	23.55
5	1	12		23.03	23.07	23.44
5	1	24		22.89	22.94	23.27
5	12	0		22.75	22.89	23.23
5	12	6		22.59	22.78	23.06
5	12	11		22.47	22.7	22.96
5	25	0		22.33	22.57	22.93
5	1	0	16-QAM	22.97	23.25	23.43
5	1	12		22.99	23.07	23.36
5	1	24		22.87	22.9	23.09
5	12	0		22.55	22.81	23.17
5	12	6		22.43	22.75	22.9
5	12	11		22.35	22.51	22.92
5	25	0		22.24	22.55	22.81
10	1	0	QPSK	23.51	23.62	23.78
10	1	24		23.37	23.56	23.74
10	1	49		23.24	23.47	23.64
10	25	0		23.14	23.35	23.61
10	25	12		23.08	23.34	23.41
10	25	24		23.08	23.18	23.26
10	50	0		22.99	23.16	23.15
10	1	0	16-QAM	23.49	23.47	23.73
10	1	24		23.37	23.48	23.71
10	1	49		23.13	23.47	23.53
10	25	0		23.03	23.21	23.5
10	25	12		22.97	23.31	23.28
10	25	24		22.99	23.1	23.06
10	50	0		22.81	23.11	23.13



LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	23.88	23.89	23.92
15	1	37		23.7	23.81	23.81
15	1	74		23.59	23.8	23.65
15	36	0		23.55	23.8	23.47
15	36	18		23.36	23.68	23.37
15	36	39		23.23	23.53	23.18
15	75	0		23.04	23.4	23.05
15	1	0		16-QAM	23.76	23.71
15	1	38	23.57		23.68	23.63
15	1	75	23.57		23.75	23.46
15	36	0	23.47		23.69	23.31
15	36	18	23.34		23.52	23.29
15	36	39	23.15		23.47	23
15	75	0	22.99		23.24	22.88
20	1	0	QPSK		24.22	24.32
20	1	49		24.15	24.26	24.55
20	1	99		24.15	24.22	24.5
20	50	0		24.12	24.08	24.4
20	50	24		24.06	24.07	24.29
20	50	49		23.98	23.95	24.11
20	100	0		23.98	23.85	24.03
20	1	0		16-QAM	24.15	24.23
20	1	49	23.96		24.26	24.45
20	1	99	24.13		24.18	24.46
20	50	0	23.92		24.03	24.38
20	50	24	23.9		23.92	24.2
20	50	49	23.95		23.86	24.04
20	100	0	23.79		23.76	24.02



## LTE BAND 12

LTE Band 12 Maximum Average Power [dBm]

BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	24.13	24.26	24.42
1.4	1	2		24.01	24.17	24.36
1.4	1	5		23.88	24.13	24.25
1.4	3	0		23.84	23.94	24.25
1.4	3	1		23.81	23.78	24.17
1.4	3	2		23.64	23.76	24.16
1.4	6	0		23.55	23.66	24.12
1.4	1	0	16-QAM	23.93	24.22	24.26
1.4	1	2		23.97	24	24.31
1.4	1	5		23.69	24.13	24.16
1.4	3	0		23.76	23.74	24.1
1.4	3	1		23.63	23.66	24
1.4	3	2		23.61	23.67	24.04
1.4	6	0		23.42	23.48	23.98
3	1	0	QPSK	24.41	24.48	24.53
3	1	7		24.21	24.42	24.35
3	1	14		24.12	24.3	24.34
3	8	0		23.98	24.24	24.24
3	8	4		23.86	24.18	24.12
3	8	7		23.75	24.17	23.99
3	15	0		23.74	24.09	23.94
3	1	0	16-QAM	24.26	24.39	24.41
3	1	7		24.17	24.36	24.27
3	1	14		24.04	24.22	24.32
3	8	0		23.91	24.17	24.15
3	8	4		23.68	24.01	24.05
3	8	7		23.72	24.09	23.88
3	15	0		23.56	23.97	23.86



LTE Band 12 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	24.51	24.56	24.62
5	1	12		24.36	24.49	24.46
5	1	24		24.18	24.47	24.46
5	12	0		24.1	24.38	24.3
5	12	6		24.01	24.23	24.28
5	12	11		23.95	24.13	24.22
5	25	0		23.89	24.06	24.14
5	1	0		16-QAM	24.47	24.46
5	1	12	24.17		24.35	24.41
5	1	24	24.12		24.39	24.31
5	12	0	23.92		24.22	24.22
5	12	6	23.83		24.19	24.27
5	12	11	23.92		24.07	24.2
5	25	0	23.88		23.88	24.03
10	1	0	QPSK		24.59	24.65
10	1	24		24.47	24.48	24.6
10	1	49		24.37	24.41	24.47
10	25	0		24.18	24.33	24.3
10	25	12		24.14	24.33	24.15
10	25	24		24.02	24.3	23.98
10	50	0		23.92	24.3	23.78
10	1	0		16-QAM	24.4	24.63
10	1	24	24.36		24.35	24.44
10	1	49	24.18		24.41	24.45
10	25	0	24.09		24.31	24.23
10	25	12	23.99		24.17	24.11
10	25	24	23.85		24.14	23.95
10	50	0	23.78		24.23	23.76



## LTE BAND 13

## LTE Band 13 Maximum Average Power [dBm]

BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.59	23.62	23.68
5	1	12		23.50	23.47	23.61
5	1	24		23.33	23.31	23.47
5	12	0		23.24	23.31	23.30
5	12	6		23.16	23.14	23.19
5	12	11		23.00	23.11	23.08
5	25	0		22.96	23.09	22.91
5	1	0	16-QAM	23.59	23.45	23.61
5	1	12		23.36	23.43	23.61
5	1	24		23.23	23.22	23.42
5	12	0		23.24	23.25	23.14
5	12	6		23.15	23.10	22.99
5	12	11		22.81	22.97	22.94
5	25	0		22.76	23.07	22.74
10	1	0	QPSK	N/A	24.23	N/A
10	1	24		N/A	24.17	N/A
10	1	49		N/A	24.07	N/A
10	25	0		N/A	23.87	N/A
10	25	12		N/A	23.87	N/A
10	25	24		N/A	23.83	N/A
10	50	0		N/A	23.80	N/A
10	1	0	16-QAM	N/A	24.06	N/A
10	1	24		N/A	23.98	N/A
10	1	49		N/A	23.96	N/A
10	25	0		N/A	23.73	N/A
10	25	12		N/A	23.69	N/A
10	25	24		N/A	23.77	N/A
10	50	0		N/A	23.69	N/A



## LTE BAND 17

LTE Band 17 Maximum Average Power [dBm]

BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.23	23.35	23.55
5	1	12		23.2	23.21	23.36
5	1	24		23.02	23.02	23.28
5	12	0		22.93	22.85	23.09
5	12	6		22.75	22.67	22.99
5	12	11		22.58	22.48	22.98
5	25	0		22.41	22.38	22.92
5	1	0	16-QAM	23.14	23.2	23.46
5	1	12		23.01	23.04	23.25
5	1	24		22.95	22.85	23.28
5	12	0		22.79	22.68	23.09
5	12	6		22.56	22.49	22.94
5	12	11		22.39	22.29	22.85
5	25	0		22.34	22.31	22.86
10	1	0	QPSK	23.99	24.03	24.23
10	1	24		23.92	23.85	24.07
10	1	49		23.86	23.72	23.96
10	25	0		23.86	23.6	23.81
10	25	12		23.8	23.54	23.65
10	25	24		23.7	23.5	23.59
10	50	0		23.62	23.41	23.47
10	1	0	16-QAM	23.85	23.84	24.05
10	1	24		23.72	23.68	23.87
10	1	49		23.71	23.56	23.82
10	25	0		23.74	23.57	23.74
10	25	12		23.71	23.5	23.53
10	25	24		23.51	23.35	23.51
10	50	0		23.47	23.33	23.41





## LTE BAND 25

LTE Band 25 Maximum Average Power [dBm]

BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	23.23	23.35	23.42
1.4	1	2		23.14	23.30	23.28
1.4	1	5		23.12	23.22	23.14
1.4	3	0		22.96	23.05	23.00
1.4	3	1		22.82	22.97	22.87
1.4	3	2		22.82	22.93	22.76
1.4	6	0		22.75	22.75	22.63
1.4	1	0	16-QAM	23.19	23.26	23.32
1.4	1	2		22.95	23.28	23.17
1.4	1	5		23.06	23.03	23.13
1.4	3	0		22.84	22.88	22.89
1.4	3	1		22.63	22.83	22.84
1.4	3	2		22.63	22.83	22.74
1.4	6	0		22.58	22.56	22.59
3	1	0	QPSK	23.39	23.45	23.55
3	1	7		23.19	23.30	23.35
3	1	14		23.14	23.27	23.23
3	8	0		23.05	23.26	23.16
3	8	4		22.89	23.17	22.99
3	8	7		22.73	23.13	22.87
3	15	0		22.71	23.04	22.83
3	1	0	16-QAM	23.22	23.34	23.44
3	1	7		23.18	23.21	23.16
3	1	14		23.09	23.16	23.15
3	8	0		22.88	23.07	23.03
3	8	4		22.75	23.08	22.81
3	8	7		22.67	23.10	22.83
3	15	0		22.66	22.99	22.72



LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.52	23.63	23.68
5	1	12		23.37	23.51	23.62
5	1	24		23.36	23.46	23.48
5	12	0		23.29	23.36	23.35
5	12	6		23.27	23.26	23.22
5	12	11		23.19	23.24	23.10
5	25	0		23.15	23.14	22.95
5	1	0		16-QAM	23.45	23.55
5	1	12	23.31		23.35	23.44
5	1	24	23.17		23.37	23.39
5	12	0	23.19		23.32	23.16
5	12	6	23.10		23.13	23.15
5	12	11	23.14		23.21	22.97
5	25	0	22.96		23.08	22.94
10	1	0	QPSK		23.62	23.75
10	1	24		23.47	23.71	23.79
10	1	49		23.36	23.57	23.59
10	25	0		23.19	23.49	23.49
10	25	12		23.12	23.45	23.45
10	25	24		22.98	23.26	23.40
10	50	0		22.86	23.17	23.39
10	1	0		16-QAM	23.53	23.68
10	1	24	23.43		23.63	23.62
10	1	49	23.24		23.51	23.57
10	25	0	23.13		23.33	23.48
10	25	12	23.10		23.41	23.39
10	25	24	22.85		23.15	23.36
10	50	0	22.71		22.98	23.32



LTE Band 25 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	23.82	23.88	23.92
15	1	37		23.63	23.81	23.83
15	1	74		23.48	23.75	23.71
15	36	0		23.33	23.56	23.66
15	36	18		23.27	23.51	23.63
15	36	39		23.12	23.41	23.62
15	75	0		23.06	23.37	23.56
15	1	0		16-QAM	23.72	23.86
15	1	38	23.61		23.76	23.66
15	1	75	23.38		23.71	23.67
15	36	0	23.15		23.37	23.60
15	36	18	23.23		23.39	23.58
15	36	39	23.03		23.23	23.54
15	75	0	22.88		23.33	23.40
20	1	0	QPSK		23.93	24.03
20	1	49		23.90	24.00	24.03
20	1	99		23.89	23.86	23.87
20	50	0		23.72	23.85	23.78
20	50	24		23.70	23.83	23.74
20	50	49		23.56	23.82	23.57
20	100	0		23.46	23.76	23.39
20	1	0		16-QAM	23.83	24.00
20	1	49	23.76		23.81	23.91
20	1	99	23.77		23.76	23.82
20	50	0	23.68		23.68	23.72
20	50	24	23.58		23.66	23.60
20	50	49	23.37		23.73	23.54
20	100	0	23.29		23.67	23.33



## LTE BAND 26

LTE Band 26Part22 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	23.35	23.42	23.52
1.4	1	2		23.21	23.39	23.38
1.4	1	5		23.09	23.34	23.30
1.4	3	0		23.04	23.17	23.11
1.4	3	1		22.86	23.07	23.02
1.4	3	2		22.81	22.97	23.01
1.4	6	0		22.67	22.94	22.85
1.4	1	0	16-QAM	23.17	23.36	23.52
1.4	1	2		23.10	23.35	23.26
1.4	1	5		23.08	23.24	23.22
1.4	3	0		23.02	22.99	22.95
1.4	3	1		22.70	23.03	22.95
1.4	3	2		22.80	22.86	22.88
1.4	6	0		22.49	22.86	22.81
3	1	0	QPSK	23.53	23.62	23.68
3	1	7		23.35	23.47	23.53
3	1	14		23.16	23.33	23.47
3	8	0		23.15	23.29	23.32
3	8	4		22.98	23.22	23.26
3	8	7		22.97	23.16	23.20
3	15	0		22.88	22.97	23.07
3	1	0	16-QAM	23.34	23.60	23.48
3	1	7		23.22	23.30	23.50
3	1	14		22.99	23.13	23.29
3	8	0		23.13	23.26	23.26
3	8	4		22.81	23.04	23.23
3	8	7		22.82	23.12	23.06
3	15	0		22.87	22.82	23.00



LTE Band 26Part22 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.69	23.75	23.78
5	1	12		23.65	23.68	23.59
5	1	24		23.47	23.55	23.48
5	12	0		23.34	23.42	23.29
5	12	6		23.25	23.35	23.19
5	12	11		23.20	23.19	23.09
5	25	0		23.19	23.15	23.02
5	1	0		16-QAM	23.54	23.69
5	1	12	23.61		23.50	23.55
5	1	24	23.39		23.55	23.45
5	12	0	23.27		23.38	23.14
5	12	6	23.17		23.22	23.09
5	12	11	23.01		23.04	22.92
5	25	0	23.19		23.08	22.88
10	1	0	QPSK		23.76	23.85
10	1	24		23.68	23.67	23.85
10	1	49		23.58	23.60	23.84
10	25	0		23.39	23.57	23.82
10	25	12		23.27	23.37	23.64
10	25	24		23.15	23.36	23.46
10	50	0		23.09	23.28	23.37
10	1	0		16-QAM	23.72	23.72
10	1	24	23.63		23.56	23.73
10	1	49	23.49		23.41	23.67
10	25	0	23.28		23.37	23.71
10	25	12	23.19		23.26	23.48
10	25	24	23.07		23.27	23.34
10	50	0	22.95		23.27	23.31



LTE Band 26Part22 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	24.06	24.13	24.22
15	1	24		24.00	23.98	24.15
15	1	49		23.93	23.95	24.07
15	25	0		23.81	23.85	23.93
15	25	12		23.78	23.83	23.88
15	25	24		23.78	23.79	23.72
15	50	0		23.76	23.73	23.69
15	1	0		16-QAM	24.05	23.96
15	1	24	23.90		23.90	24.03
15	1	49	23.83		23.88	23.94
15	25	0	23.67		23.74	23.79
15	25	12	23.61		23.73	23.69
15	25	24	23.62		23.73	23.63
15	50	0	23.68		23.68	23.52



LTE Band 26Part90 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
1.4	1	0	QPSK	23.36	23.42	23.55
1.4	1	2		23.32	23.27	23.54
1.4	1	5		23.29	23.23	23.41
1.4	3	0		23.19	23.15	23.27
1.4	3	1		23.04	23.10	23.14
1.4	3	2		22.93	23.07	23.14
1.4	6	0		22.84	23.02	23.13
1.4	1	0		16-QAM	23.26	23.23
1.4	1	2	23.13		23.09	23.47
1.4	1	5	23.22		23.06	23.34
1.4	3	0	23.05		23.05	23.23
1.4	3	1	23.03		22.99	22.95
1.4	3	2	22.82		22.95	23.05
1.4	6	0	22.69		22.96	23.11
3	1	0	QPSK		23.53	23.66
3	1	7		23.33	23.59	23.53
3	1	14		23.15	23.48	23.34
3	8	0		23.02	23.34	23.31
3	8	4		22.86	23.25	23.13
3	8	7		22.67	23.19	22.99
3	15	0		22.56	23.19	22.95
3	1	0		16-QAM	23.46	23.50
3	1	7	23.15		23.40	23.48
3	1	14	23.02		23.36	23.26
3	8	0	23.01		23.24	23.16
3	8	4	22.81		23.23	23.03
3	8	7	22.60		23.11	22.90
3	15	0	22.46		23.15	22.94



LTE Band 26Part90 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.69	23.76	23.79
5	1	12		23.56	23.70	23.74
5	1	24		23.54	23.55	23.69
5	12	0		23.42	23.49	23.63
5	12	6		23.32	23.42	23.55
5	12	11		23.15	23.26	23.46
5	25	0		23.04	23.12	23.37
5	1	0		16-QAM	23.50	23.57
5	1	12	23.36		23.58	23.73
5	1	24	23.43		23.46	23.59
5	12	0	23.32		23.47	23.47
5	12	6	23.30		23.25	23.52
5	12	11	23.00		23.10	23.31
5	25	0	22.86		23.06	23.36
10	1	0	QPSK		N/A	24.21
10	1	24		N/A	24.02	N/A
10	1	49		N/A	23.82	N/A
10	25	0		N/A	23.62	N/A
10	25	12		N/A	23.49	N/A
10	25	24		N/A	23.40	N/A
10	50	0		N/A	23.27	N/A
10	1	0		16-QAM	N/A	24.12
10	1	24	N/A		24.00	N/A
10	1	49	N/A		23.68	N/A
10	25	0	N/A		23.57	N/A
10	25	12	N/A		23.30	N/A
10	25	24	N/A		23.25	N/A
10	50	0	N/A		23.23	N/A





## LTE BAND 38

## LTE Band 38 Maximum Average Power [dBm]

BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.72	23.78	23.79
5	1	12		23.60	23.65	23.79
5	1	24		23.59	23.45	23.62
5	12	0		23.40	23.31	23.44
5	12	6		23.27	23.23	23.42
5	12	11		23.20	23.13	23.27
5	25	0		23.10	23.05	23.22
5	1	0	16-QAM	23.59	23.77	23.75
5	1	12		23.42	23.61	23.68
5	1	24		23.51	23.26	23.60
5	12	0		23.20	23.16	23.24
5	12	6		23.08	23.22	23.23
5	12	11		23.14	23.01	23.25
5	25	0		22.92	22.90	23.17
10	1	0	QPSK	23.81	23.79	23.81
10	1	24		23.64	23.70	23.75
10	1	49		23.48	23.60	23.60
10	25	0		23.44	23.59	23.58
10	25	12		23.40	23.40	23.41
10	25	24		23.35	23.39	23.36
10	50	0		23.24	23.37	23.25
10	1	0	16-QAM	23.79	23.78	23.75
10	1	24		23.63	23.66	23.74
10	1	49		23.47	23.42	23.44
10	25	0		23.43	23.54	23.55
10	25	12		23.33	23.20	23.34
10	25	24		23.19	23.28	23.25
10	50	0		23.19	23.31	23.20



LTE Band 38 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	23.86	23.88	23.92
15	1	37		23.71	23.77	23.76
15	1	74		23.64	23.76	23.72
15	36	0		23.57	23.68	23.60
15	36	18		23.55	23.65	23.46
15	36	39		23.40	23.49	23.32
15	75	0		23.22	23.48	23.16
15	1	0	16-QAM	23.77	23.73	23.87
15	1	38		23.60	23.73	23.67
15	1	75		23.57	23.72	23.55
15	36	0		23.47	23.56	23.43
15	36	18		23.46	23.58	23.44
15	36	39		23.31	23.49	23.23
15	75	0		23.06	23.36	23.11
20	1	0	QPSK	23.95	23.96	23.99
20	1	49		23.80	23.85	23.95
20	1	99		23.73	23.74	23.95
20	50	0		23.58	23.57	23.80
20	50	24		23.41	23.39	23.66
20	50	49		23.30	23.20	23.58
20	100	0		23.27	23.15	23.55
20	1	0	16-QAM	23.78	23.95	23.97
20	1	49		23.68	23.82	23.83
20	1	99		23.60	23.58	23.77
20	50	0		23.41	23.55	23.65
20	50	24		23.33	23.21	23.63
20	50	49		23.19	23.20	23.50
20	100	0		23.23	23.09	23.52



## LTE BAND 38

## LTE Band 41 Maximum Average Power [dBm]

BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	23.12	23.23	23.32
5	1	12		22.96	23.21	23.19
5	1	24		22.77	23.02	23.16
5	12	0		22.68	23.01	23.14
5	12	6		22.51	23.00	23.10
5	12	11		22.35	22.90	22.94
5	25	0		22.33	22.81	22.83
5	1	0	16-QAM	23.00	23.07	23.24
5	1	12		22.95	23.14	23.05
5	1	24		22.65	22.99	23.06
5	12	0		22.58	22.88	23.06
5	12	6		22.32	22.99	22.96
5	12	11		22.28	22.73	22.76
5	25	0		22.14	22.73	22.76
10	1	0	QPSK	23.35	23.38	23.45
10	1	24		23.22	23.36	23.32
10	1	49		23.10	23.34	23.31
10	25	0		23.05	23.18	23.14
10	25	12		22.97	22.99	22.94
10	25	24		22.87	22.97	22.88
10	50	0		22.82	22.84	22.74
10	1	0	16-QAM	23.17	23.36	23.35
10	1	24		23.13	23.31	23.26
10	1	49		22.94	23.15	23.29
10	25	0		22.86	23.11	23.04
10	25	12		22.79	22.95	22.85
10	25	24		22.87	22.94	22.75
10	50	0		22.69	22.84	22.64



LTE Band 41 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	23.46	23.52	23.56
15	1	37		23.37	23.47	23.50
15	1	74		23.21	23.28	23.31
15	36	0		23.04	23.12	23.11
15	36	18		22.84	22.97	22.95
15	36	39		22.65	22.94	22.81
15	75	0		22.50	22.76	22.66
15	1	0		16-QAM	23.30	23.47
15	1	38	23.18		23.30	23.36
15	1	75	23.07		23.15	23.19
15	36	0	23.03		23.01	22.96
15	36	18	22.83		22.82	22.87
15	36	39	22.51		22.93	22.73
15	75	0	22.38		22.56	22.55
20	1	0	QPSK		23.86	23.96
20	1	49		23.76	23.83	23.97
20	1	99		23.73	23.81	23.86
20	50	0		23.57	23.64	23.82
20	50	24		23.52	23.61	23.70
20	50	49		23.43	23.46	23.66
20	100	0		23.37	23.41	23.50
20	1	0		16-QAM	23.80	23.86
20	1	49	23.64		23.77	23.95
20	1	99	23.55		23.71	23.81
20	50	0	23.46		23.45	23.70
20	50	24	23.44		23.46	23.63
20	50	49	23.27		23.30	23.46
20	100	0	23.24		23.32	23.33



## 11. EUT And Test Setup Photo

### 11.1 EUT Photo

Front side



Back side





### 11.2 Setup Photo

Body Front side(separation distance is 0mm)



Body Back side(separation distance is 0mm)





Body Left side(separation distance is 0mm)



Body Right side(separation distance is 0mm)





Body Bottom side(separation distance is 0mm)



Body Top side(separation distance is 0mm)







## 12. SAR Result Summary

### 12.1 Body-worn SAR

Band	Model	Test Position	Freq.	SAR (1g) (W/kg)	Power Drift(%)	Max.Turn-up Power(dBm)	Meas.Output Power(dBm)	Scaled SAR (W/Kg)	Meas.No.
GSM850	GPRS Data-4 Slot	Front Side	836.6	0.373	-1.06	30.50	30.02	0.417	1
		Back Side	836.6	0.221	-3.98	30.50	30.02	0.247	/
		Left Side	836.6	0.104	-1.74	30.50	30.02	0.116	/
GSM1900	GPRS Data-4 Slot	Front Side	1850.2	0.983	-0.41	28.00	27.60	1.078	2
		Front Side	1880	0.778	-0.98	28.00	27.55	0.863	/
		Front Side	1909.8	0.679	3.54	28.00	27.47	0.767	/
		Back Side	1850.2	0.755	-1.33	28.00	27.60	0.828	/
		Left Side	1850.2	0.331	1.35	28.00	27.60	0.363	/
WCDMA Band II	RMC	Front Side	1880	0.445	3.50	22.50	22.23	0.474	3
		Back Side	1880	0.284	0.53	22.50	22.23	0.302	/
		Left Side	1880	0.145	-1.76	22.50	22.23	0.154	/
WCDMA Band V	RMC	Front Side	826.4	0.565	-0.39	23.50	23.05	0.627	4
		Back Side	826.4	0.307	0.44	23.50	23.05	0.341	/
		Left Side	826.4	0.214	1.81	23.50	23.05	0.237	/
WCDMA Band IV	RMC	Front Side	1712.6	0.478	2.05	23.50	23.23	0.509	5
		Back Side	1712.6	0.223	-3.81	23.50	23.23	0.237	/
		Left Side	1712.6	0.125	-1.28	23.50	23.23	0.133	/