

Band & Mode		Modulated Average[dBm]
LTE Band 13 (ENDC)	Maximum	22.0
	Nominal	21.0

Table 8.3.4-1.1 Nominal and Maximum Output Power Spec

4-1) LTE Band 13 (ENDC)

LTE Band 13 Conducted Power- 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			23230 (782.0 MHz)		
			Conducted Power (dBm)		
QPSK	1	0	21.01	≤ 1	0
	1	25	20.78		
	1	49	20.83		
	25	0	20.05		1
	25	12	19.96		
	25	25	19.92		
	50	0	20.09		1
16QAM	1	0	20.09	≤ 1	1
	1	25	19.94		
	1	49	19.96		
	25	0	19.21	≤ 2	2
	25	12	19.11		
	25	25	19.09		
	50	0	20.09		
64QAM	1	0	19.02	≤ 2	2
	1	25	18.91		
	1	49	18.95		
	25	0	18.16	≤ 3	3
	25	12	18.14		
	25	25	18.04		
	50	0	18.14		
256QAM	1	0	16.07	≤ 5	5
	1	25	15.95		
	1	49	15.93		
	25	0	16.17	≤ 5	5
	25	12	16.08		
	25	25	16.11		
	50	0	16.16		

Table 8.3.4-1.2 LTE Conducted Power

LTE Band 13 Conducted Power- 5 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			23230 (782.0 MHz)		
			Conducted Power (dBm)		
QPSK	1	0	20.97	≤ 1	0
	1	12	20.90		
	1	24	20.84		
	12	0	19.96		1
	12	6	19.91		
	12	13	19.86		
	25	0	19.94		1
16QAM	1	0	20.00	≤ 1	1
	1	12	19.97		
	1	24	19.85		
	12	0	19.03	≤ 2	2
	12	6	18.87		
	12	13	18.93		
	25	0	19.94		
64QAM	1	0	19.06	≤ 2	2
	1	12	18.84		
	1	24	18.93		
	12	0	18.03	≤ 3	3
	12	6	17.86		
	12	13	17.88		
	25	0	17.94		
256QAM	1	0	16.06	≤ 5	5
	1	12	15.85		
	1	24	16.00		
	12	0	16.04	≤ 5	5
	12	6	15.82		
	12	13	15.88		
	25	0	16.04		

Table 8.3.4-1.3 LTE Conducted Power

Note: LTE B13 can not contain three non-overlapping channels of 10 MHz, 5 MHz bandwidth.

Per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

Band & Mode		Modulated Average[dBm]
LTE Band 14	Maximum	24.0
	Nominal	23.0

Table 8.3.5.1 Nominal and Maximum Output Power Spec

5) LTE Band 14

LTE Band 14 Conducted Power- 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			23330 (793.0 MHz)		
			Conducted Power (dBm)		
QPSK	1	0	22.44	≤ 1	0
	1	25	22.23		
	1	49	22.30		
	25	0	21.42		1
	25	12	21.39		
	25	25	21.37		
	50	0	21.43		1
16QAM	1	0	21.44	≤ 1	1
	1	25	21.22		
	1	49	21.18		
	25	0	20.38	≤ 2	2
	25	12	20.28		
	25	25	20.28		
	50	0	21.43		
64QAM	1	0	20.35	≤ 2	2
	1	25	20.25		
	1	49	20.34		
	25	0	19.30	≤ 3	3
	25	12	19.28		
	25	25	19.19		
	50	0	19.30		
256QAM	1	0	17.34	≤ 5	5
	1	25	17.12		
	1	49	17.16		
	25	0	17.38	≤ 5	5
	25	12	17.20		
	25	25	17.25		
	50	0	17.26		

Table 8.3.5.2 LTE Conducted Power

LTE Band 14 Conducted Power- 5 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			23330 (793.0 MHz)		
			Conducted Power (dBm)		
QPSK	1	0	22.40	≤ 1	0
	1	12	22.20		
	1	24	22.36		
	12	0	21.40		1
	12	6	21.31		
	12	13	21.37		
	25	0	21.40		1
16QAM	1	0	21.49	≤ 1	1
	1	12	21.36		
	1	24	21.38		
	12	0	20.47	≤ 2	2
	12	6	20.32		
	12	13	20.27		
	25	0	20.40		
64QAM	1	0	20.43	≤ 2	2
	1	12	20.38		
	1	24	20.41		
	12	0	19.45	≤ 3	3
	12	6	19.28		
	12	13	19.43		
	25	0	19.45		
256QAM	1	0	17.43	≤ 5	5
	1	12	17.37		
	1	24	17.41		
	12	0	17.51	≤ 5	5
	12	6	17.49		
	12	13	17.35		
	25	0	17.33		

Table 8.3.5.3 LTE Conducted Power

Note: LTE B14 can not contain three non-overlapping channels of 5 MHz bandwidth.

Per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

Band & Mode		Modulated Average[dBm]
LTE Band 14 (ENDC)	Maximum	22.0
	Nominal	21.0

Table 8.3.5-1.1 Nominal and Maximum Output Power Spec

5-1) LTE Band 14 (ENDC)

LTE Band 14 Conducted Power- 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			23330 (793.0 MHz)		
			Conducted Power (dBm)		
QPSK	1	0	21.06	≤ 1	0
	1	25	20.91		
	1	49	21.01		
	25	0	20.13		1
	25	12	20.10		
	25	25	19.93		
	50	0	20.12		1
16QAM	1	0	20.03	≤ 1	1
	1	25	19.84		
	1	49	19.93		
	25	0	18.97	≤ 2	2
	25	12	18.94		
	25	25	18.87		
	50	0	20.12		
64QAM	1	0	19.05	≤ 2	2
	1	25	18.84		
	1	49	18.93		
	25	0	17.98	≤ 3	3
	25	12	17.97		
	25	25	17.93		
	50	0	17.94		
256QAM	1	0	16.11	≤ 5	5
	1	25	15.88		
	1	49	15.88		
	25	0	16.07	≤ 5	5
	25	12	15.92		
	25	25	15.93		
	50	0	15.96		

Table 8.3.5-1.2 LTE Conducted Power

LTE Band 14 Conducted Power- 5 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			23330 (793.0 MHz)		
			Conducted Power (dBm)		
QPSK	1	0	21.03	≤ 1	0
	1	12	20.83		
	1	24	21.00		
	12	0	20.08		1
	12	6	19.97		
	12	13	19.97		
	25	0	20.09		1
16QAM	1	0	20.13	≤ 1	1
	1	12	19.95		
	1	24	19.98		
	12	0	19.12	≤ 2	2
	12	6	19.09		
	12	13	18.93		
	25	0	20.09		
64QAM	1	0	19.04	≤ 2	2
	1	12	19.00		
	1	24	19.02		
	12	0	18.17	≤ 3	3
	12	6	18.06		
	12	13	18.06		
	25	0	18.05		
256QAM	1	0	16.15	≤ 5	5
	1	12	15.99		
	1	24	16.00		
	12	0	16.25	≤ 5	5
	12	6	16.12		
	12	13	15.94		
	25	0	16.08		

Table 8.3.5-1.3 LTE Conducted Power

Note: LTE B14 can not contain three non-overlapping channels of 5 MHz bandwidth.

Per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

Band & Mode		Modulated Average[dBm]
LTE Band 26	Maximum	24.0
	Nominal	23.0

Table 8.3.6.1 Nominal and Maximum Output Power Spec

6) LTE Band 26 (Cell)

LTE Band 26 (Cell) Conducted Power- 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			26865 (831.5 MHz)		
			Conducted Power (dBm)		
QPSK	1	0	22.53	≤ 1	0
	1	36	22.47		
	1	74	22.46		
	36	0	21.58		1
	36	18	21.54		
	36	37	21.56		
	75	0	21.57		
16QAM	1	0	21.40	≤ 1	1
	1	36	21.38		
	1	74	21.28		
	36	0	20.60	≤ 2	2
	36	18	20.55		
	36	37	20.47		
	75	0	20.44		
64QAM	1	0	20.43	≤ 2	2
	1	36	20.35		
	1	74	20.27		
	36	0	19.50	≤ 3	3
	36	18	19.44		
	36	37	19.47		
	75	0	19.46		
256QAM	1	0	17.58	≤ 5	5
	1	36	17.54		
	1	74	17.42		
	36	0	17.50	≤ 5	5
	36	18	17.41		
	36	37	17.43		
	75	0	17.54		

Table 8.3.6.2 LTE Conducted Power

Note : LTE B26 can not contain three non-overlapping channels of 10 MHz bandwidth.

Per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

LTE Band 26 (Cell) Conducted Power– 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			26740 (819.0 MHz)	26865 (831.5 MHz)	26990 (844.0 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	22.31	22.40	22.30	≤ 1	0
	1	25	22.25	22.32	22.22		
	1	49	22.14	22.38	22.28		
	25	0	21.41	21.56	21.48		1
	25	12	21.34	21.54	21.35		
	25	25	21.21	21.42	21.45		
	50	0	21.47	21.46	21.38		
16QAM	1	0	21.29	21.33	21.30	≤ 1	1
	1	25	21.09	21.29	21.26		
	1	49	21.12	21.28	21.27		
	25	0	20.31	20.45	20.55	≤ 2	2
	25	12	20.31	20.37	20.35		
	25	25	20.17	20.39	20.35		
	50	0	21.47	20.47	20.47		
64QAM	1	0	20.21	20.34	20.28	≤ 2	2
	1	25	20.15	20.20	20.17		
	1	49	20.11	20.28	20.21		
	25	0	19.48	19.61	19.50	≤ 3	3
	25	12	19.47	19.50	19.41		
	25	25	19.25	19.41	19.44		
	50	0	19.37	19.34	19.42		
256QAM	1	0	17.26	17.41	17.37	≤ 5	5
	1	25	17.24	17.38	17.25		
	1	49	17.21	17.39	17.33		
	25	0	17.31	17.42	17.41	≤ 5	5
	25	12	17.25	17.40	17.30		
	25	25	17.26	17.42	17.34		
	50	0	17.32	17.48	17.30		

Table 8.3.6.3 LTE Conducted Power

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LTE Band 26 (Cell) Conducted Power– 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			26715 (816.5 MHz)	26865 (831.5 MHz)	27015 (846.5 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	22.41	22.43	22.37	≤ 1	0
	1	12	22.34	22.17	22.31		
	1	24	22.30	22.36	22.14		
	12	0	21.45	21.57	21.54		1
	12	6	21.35	21.51	21.48		
	12	13	21.37	21.50	21.49		
	25	0	21.34	21.37	21.41		1
16QAM	1	0	21.30	21.42	21.31	≤ 1	1
	1	12	21.26	21.09	21.14		
	1	24	21.19	21.31	21.24		
	12	0	20.39	20.48	20.57	≤ 2	2
	12	6	20.31	20.43	20.33		
	12	13	20.30	20.34	20.45		
	25	0	21.34	20.36	20.42		2
64QAM	1	0	20.31	20.39	20.27	≤ 2	2
	1	12	20.21	20.09	20.13		
	1	24	20.22	20.27	20.12		
	12	0	19.51	19.59	19.60	≤ 3	3
	12	6	19.32	19.45	19.40		
	12	13	19.37	19.56	19.57		
	25	0	19.38	19.32	19.40		3
256QAM	1	0	17.42	17.52	17.38	≤ 5	5
	1	12	17.33	17.19	17.30		
	1	24	17.32	17.36	17.21		
	12	0	17.37	17.49	17.49	≤ 5	5
	12	6	17.25	17.36	17.37		
	12	13	17.31	17.39	17.41		
	25	0	17.20	17.34	17.34		

Table 8.3.6.4 LTE Conducted Power

LTE Band 26 (Cell) Conducted Power– 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			26705 (815.5 MHz)	26865 (831.5 MHz)	27025 (847.5 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	22.32	22.40	22.47	0	0
	1	7	22.24	22.27	22.26		
	1	14	22.18	22.31	22.33		
	8	0	21.49	21.50	21.54	0-1	1
	8	4	21.45	21.46	21.30		
	8	7	21.47	21.49	21.34		
	15	0	21.41	21.49	21.41	0-1	1
16QAM	1	0	21.17	21.33	21.32	0-1	1
	1	7	21.05	21.16	21.28		
	1	14	21.03	21.14	21.19		
	8	0	20.39	20.59	20.54	0-2	2
	8	4	20.30	20.48	20.38		
	8	7	20.37	20.49	20.41		
	15	0	21.41	20.50	20.56	0-2	2
64QAM	1	0	20.19	20.38	20.33	0-2	2
	1	7	20.11	20.22	20.16		
	1	14	20.14	20.28	20.32		
	8	0	19.49	19.68	19.50	0-3	3
	8	4	19.37	19.34	19.44		
	8	7	19.38	19.52	19.33		
	15	0	19.30	19.41	19.25	0-3	3
256QAM	1	0	17.50	17.57	17.46	≤ 5	5
	1	7	17.40	17.31	17.45		
	1	14	17.35	17.45	17.43		
	8	0	17.39	17.51	17.47	≤ 5	5
	8	4	17.30	17.30	17.46		
	8	7	17.34	17.51	17.27		
	15	0	17.35	17.47	17.25	≤ 5	5

Table 8.3.6.5 LTE Conducted Power

LTE Band 26 (Cell) Conducted Power- 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			26697 (814.7 MHz)	26865 (831.5 MHz)	27033 (848.3 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	22.40	22.34	22.42	0	0
	1	2	22.15	22.32	22.22		
	1	5	22.21	22.27	22.31		
	3	0	22.33	22.47	22.30	0	0
	3	2	22.19	22.26	22.11		
	3	3	22.12	22.23	22.18		
16QAM	6	0	21.51	21.48	21.30	0-1	1
	1	0	21.25	21.25	21.26	0-1	1
	1	2	21.02	21.20	21.24		
	1	5	21.08	21.19	21.13		
	3	0	21.21	21.31	21.28	0-1	1
	3	2	21.12	21.09	21.22		
3	3	21.15	21.10	21.14			
64QAM	6	0	21.51	20.38	20.31	0-2	2
	1	0	20.31	20.32	20.29	0-2	2
	1	2	20.29	20.28	20.27		
	1	5	20.07	20.28	20.15		
	3	0	20.30	20.30	20.34	0-2	2
	3	2	20.27	20.19	20.03		
3	3	20.09	20.16	20.19			
256QAM	6	0	19.31	19.30	19.45	0-3	3
	1	0	17.42	17.45	17.36	≤ 5	5
	1	2	17.25	17.42	17.17		
	1	5	17.32	17.33	17.33		
	3	0	17.43	17.35	17.29	≤ 5	5
	3	2	17.29	17.21	17.14		
3	3	17.17	17.28	17.25			
256QAM	6	0	17.30	17.38	17.25	≤ 5	5

Table 8.3.6.6 LTE Conducted Power

Band & Mode		Modulated Average[dBm]
LTE Band 26 (ENDC)	Maximum	22.0
	Nominal	21.0

Table 8.3.6-1.1 Nominal and Maximum Output Power Spec

6-1) LTE Band 26 (Cell) (ENDC)

LTE Band 26 (Cell) Conducted Power- 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			26865 (831.5 MHz)		
			Conducted Power (dBm)		
QPSK	1	0	21.13	≤ 1	0
	1	36	21.01		
	1	74	21.03		
	36	0	20.25		1
	36	18	20.11		
	36	37	20.12		
	75	0	20.19		1
16QAM	1	0	20.13	≤ 1	1
	1	36	19.86		
	1	74	19.96		
	36	0	19.20	≤ 2	2
	36	18	19.17		
	36	37	19.12		
	75	0	20.19		
64QAM	1	0	19.01	≤ 2	2
	1	36	18.86		
	1	74	18.85		
	36	0	18.20	≤ 3	3
	36	18	18.10		
	36	37	18.17		
	75	0	18.10		
256QAM	1	0	16.14	≤ 5	5
	1	36	16.14		
	1	74	16.06		
	36	0	16.07	≤ 5	5
	36	18	16.06		
	36	37	15.97		
	75	0	16.14		

Table 8.3.6-1.2 LTE Conducted Power

Note : LTE B26 can not contain three non-overlapping channels of 10 MHz bandwidth.

Per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

LTE Band 26 (Cell) Conducted Power- 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			26740 (819.0 MHz)	26865 (831.5 MHz)	26990 (844.0 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	20.96	21.03	20.88	≤ 1	0
	1	25	20.94	20.88	20.85		
	1	49	20.80	21.00	20.77		
	25	0	20.08	20.13	20.13		1
	25	12	19.92	20.01	20.09		
	25	25	19.98	20.00	19.99		
	50	0	20.00	20.09	19.95		1
16QAM	1	0	19.92	19.90	20.00	≤ 1	1
	1	25	19.77	19.79	19.80		
	1	49	19.74	19.83	19.88		
	25	0	18.91	19.10	19.02	≤ 2	2
	25	12	18.88	18.97	19.00		
	25	25	18.83	18.98	18.96		
	50	0	20.00	19.01	18.99		
64QAM	1	0	18.80	18.98	18.86	≤ 2	2
	1	25	18.77	18.78	18.82		
	1	49	18.65	18.96	18.79		
	25	0	18.05	18.21	18.10	≤ 3	3
	25	12	18.00	18.08	18.03		
	25	25	17.82	18.08	17.96		
	50	0	17.87	18.00	17.92		
256QAM	1	0	16.06	16.12	15.92	≤ 5	5
	1	25	15.96	16.01	15.87		
	1	49	15.88	15.92	15.82		
	25	0	15.90	15.98	15.99	≤ 5	5
	25	12	15.88	15.95	15.97		
	25	25	15.84	15.92	15.80		
	50	0	15.94	16.04	15.84		

Table 8.3.6-1.3 LTE Conducted Power

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LTE Band 26 (Cell) Conducted Power- 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			26715 (816.5 MHz)	26865 (831.5 MHz)	27015 (846.5 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	20.97	21.06	20.93	≤ 1	0
	1	12	20.80	20.94	20.87		
	1	24	20.81	20.92	20.81		
	12	0	20.04	20.20	20.15		1
	12	6	19.98	20.16	20.06		
	12	13	19.91	20.06	20.11		
	25	0	19.92	20.00	19.99	1	
16QAM	1	0	19.85	20.00	19.88	≤ 1	1
	1	12	19.80	19.84	19.80		
	1	24	19.75	19.99	19.75		
	12	0	18.98	19.11	19.05	≤ 2	2
	12	6	18.96	19.09	19.03		
	12	13	18.93	18.99	18.96		
	25	0	19.92	19.04	19.02		2
64QAM	1	0	18.83	18.89	18.92	≤ 2	2
	1	12	18.76	18.83	18.74		
	1	24	18.67	18.80	18.72		
	12	0	18.00	18.14	18.14	≤ 3	3
	12	6	17.96	17.99	17.99		
	12	13	17.95	18.07	18.09		
	25	0	18.01	18.03	18.04		3
256QAM	1	0	16.04	16.12	16.05	≤ 5	5
	1	12	15.96	16.00	15.94		
	1	24	15.90	15.93	15.94		
	12	0	15.98	16.11	16.10	≤ 5	5
	12	6	15.92	15.97	15.95		
	12	13	15.93	16.07	15.96		
	25	0	15.82	15.91	15.96		5

Table 8.3.6-1.4 LTE Conducted Power

LTE Band 26 (Cell) Conducted Power- 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			26705 (815.5 MHz)	26865 (831.5 MHz)	27025 (847.5 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	20.83	21.07	21.01	0	0
	1	7	20.79	20.94	20.88		
	1	14	20.81	21.02	20.95		
	8	0	20.14	20.24	20.18	0-1	1
	8	4	20.03	20.06	19.94		
	8	7	19.96	20.20	19.91		
	15	0	20.00	20.12	20.13	0-1	1
16QAM	1	0	19.88	19.88	19.95	0-1	1
	1	7	19.64	19.81	19.90		
	1	14	19.64	19.85	19.83		
	8	0	19.05	19.16	19.01	0-2	2
	8	4	18.86	19.12	18.91		
	8	7	18.89	19.06	18.96		
	15	0	20.00	19.05	19.15	0-2	2
64QAM	1	0	18.77	18.90	18.83	0-2	2
	1	7	18.70	18.77	18.71		
	1	14	18.65	18.86	18.83		
	8	0	18.14	18.09	18.05	0-3	3
	8	4	18.07	18.01	17.96		
	8	7	17.93	18.04	18.00		
	15	0	17.85	17.99	17.95	0-3	3
256QAM	1	0	15.99	16.13	15.98	≤ 5	5
	1	7	15.97	15.98	15.95		
	1	14	15.76	15.96	15.86		
	8	0	16.02	16.06	16.01	≤ 5	5
	8	4	15.92	15.95	15.86		
	8	7	15.88	16.05	15.89		
	15	0	15.89	15.98	16.02	≤ 5	5

Table 8.3.6-1.5 LTE Conducted Power

LTE Band 26 (Cell) Conducted Power- 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			26697 (814.7 MHz)	26865 (831.5 MHz)	27033 (848.3 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	20.97	21.06	21.02	0	0
	1	2	20.79	20.89	20.74		
	1	5	20.93	21.04	20.89		
	3	0	20.93	20.98	20.85	0	0
	3	2	20.71	20.79	20.69		
	3	3	20.74	20.88	20.81		
16QAM	6	0	20.06	20.08	19.97	0-1	1
	1	0	19.84	19.93	19.90	0-1	1
	1	2	19.70	19.75	19.87		
	1	5	19.75	19.86	19.81		
	3	0	19.77	19.81	19.79	0-1	1
	3	2	19.62	19.70	19.71		
3	3	19.67	19.79	19.69			
64QAM	6	0	20.06	19.00	18.95	0-2	2
	1	0	18.86	18.98	18.87	0-2	2
	1	2	18.79	18.81	18.74		
	1	5	18.77	18.85	18.82		
	3	0	18.76	18.97	18.84	0-2	2
	3	2	18.74	18.88	18.65		
3	3	18.73	18.75	18.74			
256QAM	6	0	17.94	18.01	18.07	0-3	3
	1	0	16.02	16.12	15.99	≤ 5	5
	1	2	15.93	16.00	15.84		
	1	5	15.87	15.96	15.96		
	3	0	16.00	15.93	15.98	≤ 5	5
	3	2	15.87	15.91	15.79		
3	3	15.79	15.87	15.86			
256QAM	6	0	15.88	16.03	15.88	≤ 5	5

Table 8.3.6-1.6 LTE Conducted Power

Band & Mode		Modulated Average(dBm)
LTE Band 5	Maximum	24.0
	Nominal	23.0

Table 8.3.7.1 Nominal and Maximum Output Power Spec

7) LTE Band 5 (Cell)

LTE Band 5 (Cell) Conducted Power- 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			20525 (836.5 MHz)		
			Conducted Power (dBm)		
QPSK	1	0	22.67	≤ 1	0
	1	25	22.47		
	1	49	22.21		
	25	0	21.55		1
	25	12	21.40		
	25	25	21.41		
	50	0	21.57		
16QAM	1	0	21.51	≤ 1	1
	1	25	21.31		
	1	49	21.14		
	25	0	20.45		
	25	12	20.40	≤ 2	2
	25	25	20.25		
	50	0	20.38		
64QAM	1	0	20.49	≤ 2	2
	1	25	20.35		
	1	49	20.07		
	25	0	19.49		
	25	12	19.37	≤ 3	3
	25	25	19.44		
	50	0	19.45		
256QAM	1	0	17.54	≤ 5	5
	1	25	17.28		
	1	49	17.21		
	25	0	17.43		
	25	12	17.34	≤ 5	5
	25	25	17.26		
	50	0	17.38		

Table 8.3.7.2 LTE Conducted Power

Note: LTE B5 can not contain three non-overlapping channels of 10 MHz bandwidth.

Per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

LTE Band 5 (Cell) Conducted Power- 5 MHz Bandwidth					
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel
			20425 (826.5 MHz)	20525 (836.5 MHz)	20625 (846.5 MHz)
			Conducted Power (dBm)		
QPSK	1	0	22.45	22.33	22.58
	1	12	22.32	22.22	22.21
	1	24	22.27	22.08	22.19
	12	0	21.50	21.43	21.41
	12	6	21.28	21.30	21.39
	12	13	21.29	21.34	21.28
16QAM	25	0	21.42	21.34	21.29
	1	0	21.39	21.43	21.44
	1	12	21.38	21.26	21.35
	1	24	21.10	21.08	21.09
	12	0	20.35	20.41	20.25
	12	6	20.32	20.24	20.21
64QAM	12	13	20.24	20.35	20.12
	25	0	21.42	20.23	20.28
	1	0	20.28	20.30	20.45
	1	12	20.26	20.09	20.22
	1	24	20.17	20.06	20.05
	12	0	19.41	19.28	19.43
256QAM	12	6	19.25	19.22	19.20
	12	13	19.38	19.18	19.28
	25	0	19.42	19.34	19.27
	1	0	17.28	17.36	17.49
	1	12	17.22	17.06	17.35
	1	24	17.19	17.19	17.13
256QAM	12	0	17.35	17.45	17.46
	12	6	17.26	17.25	17.38
	12	13	17.28	17.36	17.39
	25	0	17.25	17.34	17.28
	1	0	17.28	17.36	17.49
	1	12	17.22	17.06	17.35

Table 8.3.7.3 LTE Conducted Power

LTE Band 5 (Cell) Conducted Power- 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			20415 (825.5 MHz)	20525 (836.5 MHz)	20635 (847.5 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	22.38	22.46	22.29	≤ 1	0
	1	7	22.18	22.36	22.22		
	1	14	22.23	22.09	22.16		
	8	0	21.36	21.39	21.52		1
	8	4	21.29	21.30	21.50		
	8	7	21.27	21.26	21.38		
	15	0	21.39	21.35	21.49		1
16QAM	1	0	21.40	21.42	21.41	≤ 1	1
	1	7	21.27	21.18	21.37		
	1	14	21.18	21.03	21.11		
	8	0	20.38	20.33	20.38	≤ 2	2
	8	4	20.29	20.19	20.35		
	8	7	20.19	20.32	20.26		
	15	0	21.39	20.36	20.42		2
64QAM	1	0	20.27	20.31	20.24	≤ 2	2
	1	7	20.24	20.21	20.06		
	1	14	20.15	20.22	20.04		
	8	0	19.40	19.39	19.49	≤ 3	3
	8	4	19.19	19.20	19.45		
	8	7	19.24	19.24	19.36		
	15	0	19.47	19.37	19.42		3
256QAM	1	0	17.30	17.43	17.31	≤ 5	5
	1	7	17.29	17.31	17.19		
	1	14	17.19	17.23	17.12		
	8	0	17.50	17.46	17.50	≤ 5	5
	8	4	17.34	17.38	17.42		
	8	7	17.27	17.33	17.37		
	15	0	17.40	17.30	17.51		5

Table 8.3.7.4 LTE Conducted Power

LTE Band 5 (Cell) Conducted Power- 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			20407 (824.7 MHz)	20525 (836.5 MHz)	20643 (848.3 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	22.40	22.56	22.41	0	0
	1	2	22.38	22.24	22.35		
	1	5	22.18	22.08	22.17		
	3	0	22.23	22.39	22.29	0	0
	3	2	22.15	22.02	22.26		
	3	3	22.09	22.02	22.11		
	6	0	21.25	21.42	21.45	0-1	1
16QAM	1	0	21.34	21.47	21.47	0-1	1
	1	2	21.29	21.34	21.41		
	1	5	21.19	21.14	21.32		
	3	0	21.33	21.40	21.33	0-1	1
	3	2	21.31	21.22	21.11		
	3	3	21.12	21.21	21.03		
	6	0	21.25	20.24	20.30	0-2	2
64QAM	1	0	20.25	20.41	20.42	0-2	2
	1	2	20.20	20.08	20.34		
	1	5	20.11	20.19	20.09		
	3	0	20.12	20.35	20.34	0-2	2
	3	2	20.04	20.05	20.22		
	3	3	20.05	20.04	20.02		
	6	0	19.24	19.49	19.32	0-3	3
256QAM	1	0	17.34	17.44	17.49	≤ 5	5
	1	2	17.33	17.29	17.20		
	1	5	17.12	17.19	17.20		
	3	0	17.38	17.27	17.41	≤ 5	5
	3	2	17.26	17.17	17.11		
	3	3	17.23	17.21	17.08		
	6	0	17.44	17.25	17.33	≤ 5	5

Table 8.3.7.5 LTE Conducted Power

CA Conf.	RF Expos. Cond.	UL																	
		PCC						SCC						MPR	Standalone			PCC+ SCC	
		Modulation	RB Size	RB Offset	BW	Freq.	Ch.	Modulation	RB Size	RB Offset	BW	Freq.	Ch.		LTE Rel.8	Aggregated BW	MPR	Tune-up Limit	CA Power (Total PCC+SCC)
CA 5B	Body	QPSK	1	49	10	836.5	20525	QPSK	1	0	10	846.4	20624	0	22.67	10	0	25.0	24.28
CA 5B	Body	16QAM	1	49	10	836.5	20525	16QAM	1	0	10	846.4	20624	0	21.51	10	0	24.0	23.13
CA 5B	Body	64QAM	1	49	10	836.5	20525	64QAM	1	0	10	846.4	20624	0	20.49	10	0	23.0	22.16
CA 5B	Body	256QAM	1	49	10	836.5	20525	256QAM	1	0	10	846.4	20624	0	17.54	10	0	20.0	19.28
CA 5B	Body	QPSK	1	49	10	836.5	20525	QPSK	1	0	5	843.7	20597	0	22.67	10	0	25.0	24.17
CA 5B	Body	16QAM	1	49	10	836.5	20525	16QAM	1	0	5	843.7	20597	0	21.51	10	0	24.0	23.03
CA 5B	Body	64QAM	1	49	10	836.5	20525	64QAM	1	0	5	843.7	20597	0	20.49	10	0	23.0	22.05
CA 5B	Body	256QAM	1	49	10	836.5	20525	256QAM	1	0	5	843.7	20597	0	17.54	10	0	20.0	19.08
CA 5B	Body	QPSK	1	24	5	836.5	20525	QPSK	1	0	3	840.4	20564	0	22.67	10	0	25.0	24.21
CA 5B	Body	16QAM	1	24	5	836.5	20525	16QAM	1	0	3	840.4	20564	0	21.51	10	0	24.0	22.96
CA 5B	Body	64QAM	1	24	5	836.5	20525	64QAM	1	0	3	840.4	20564	0	20.49	10	0	23.0	21.96
CA 5B	Body	256QAM	1	24	5	836.5	20525	256QAM	1	0	3	840.4	20564	0	17.54	10	0	20.0	19.27
CA 5B	Body	QPSK	1	24	5	836.5	20525	QPSK	1	0	10	843.7	20597	0	22.67	10	0	25.0	24.13
CA 5B	Body	16QAM	1	24	5	836.5	20525	16QAM	1	0	10	843.7	20597	0	21.51	10	0	24.0	22.93
CA 5B	Body	64QAM	1	24	5	836.5	20525	64QAM	1	0	10	843.7	20597	0	20.49	10	0	23.0	22.08
CA 5B	Body	256QAM	1	24	5	836.5	20525	256QAM	1	0	10	843.7	20597	0	17.54	10	0	20.0	19.25
CA 5B	Body	QPSK	1	14	3	836.5	20525	QPSK	1	0	5	840.4	20564	0	22.67	10	0	25.0	24.18
CA 5B	Body	16QAM	1	14	3	836.5	20525	16QAM	1	0	5	840.4	20564	0	21.51	10	0	24.0	23.02
CA 5B	Body	64QAM	1	14	3	836.5	20525	64QAM	1	0	5	840.4	20564	0	20.49	10	0	23.0	21.99
CA 5B	Body	256QAM	1	14	3	836.5	20525	256QAM	1	0	5	840.4	20564	0	17.54	10	0	20.0	19.09

Table 8.3.7.6 LTE Conducted Power

Band & Mode		Modulated Average[dBm]
LTE Band 5 (ENDC)	Maximum	22.0
	Nominal	21.0

Table 8.3.7-1.1 Nominal and Maximum Output Power Spec

7-1) LTE Band 5 (Cell) (ENDC)

LTE Band 5 (Cell) Conducted Power- 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			20525 (836.5 MHz)		
			Conducted Power (dBm)		
QPSK	1	0	21.43	≤ 1	0
	1	25	21.26		
	1	49	21.23		
	25	0	20.49		1
	25	12	20.29		
	25	25	20.31		
	50	0	20.41		1
16QAM	1	0	20.37	≤ 1	1
	1	25	20.22		
	1	49	20.11		
	25	0	19.36	≤ 2	2
	25	12	19.18		
	25	25	19.32		
	50	0	20.41		
64QAM	1	0	19.33	≤ 2	2
	1	25	19.12		
	1	49	19.10		
	25	0	18.32	≤ 3	3
	25	12	18.30		
	25	25	18.24		
	50	0	18.40		
256QAM	1	0	16.44	≤ 5	5
	1	25	16.20		
	1	49	16.09		
	25	0	16.37	≤ 5	5
	25	12	16.25		
	25	25	16.23		
	50	0	16.30		

Table 8.3.7-1.2 LTE Conducted Power

Note: LTE B5 can not contain three non-overlapping channels of 10 MHz bandwidth.

Per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

LTE Band 5 (Cell) Conducted Power- 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			20425 (826.5 MHz)	20525 (836.5 MHz)	20625 (846.5 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	21.37	21.32	21.41	≤ 1	0
	1	12	21.27	21.17	21.09		
	1	24	21.06	21.01	21.02		
	12	0	20.32	20.32	20.28		1
	12	6	20.09	20.26	20.23		
	12	13	20.24	20.17	20.26		
	25	0	20.23	20.27	20.24		
16QAM	1	0	20.18	20.33	20.27	≤ 1	1
	1	12	20.15	20.18	20.20		
	1	24	20.07	20.06	20.08		
	12	0	19.20	19.27	19.18	≤ 2	2
	12	6	19.09	19.12	19.18		
	12	13	19.15	19.15	19.07		
	25	0	20.23	19.21	19.16		
64QAM	1	0	19.18	19.19	19.23	≤ 2	2
	1	12	19.11	19.05	19.06		
	1	24	18.97	19.02	19.02		
	12	0	18.22	18.32	18.30	≤ 3	3
	12	6	18.15	18.25	18.11		
	12	13	18.19	18.12	18.13		
	25	0	18.27	18.29	18.24		
256QAM	1	0	16.31	16.24	16.29	≤ 5	5
	1	12	16.21	16.03	16.15		
	1	24	16.15	16.13	16.03		
	12	0	16.32	16.39	16.38	≤ 5	5
	12	6	16.18	16.28	16.25		
	12	13	16.05	16.23	16.25		
	25	0	16.15	16.26	16.30		

Table 8.3.7-1.3 LTE Conducted Power

LTE Band 5 (Cell) Conducted Power- 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			20415 (825.5 MHz)	20525 (836.5 MHz)	20635 (847.5 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	21.36	21.42	21.23	≤ 1	0
	1	7	21.17	21.26	21.16		
	1	14	21.14	21.02	21.15		
	8	0	20.25	20.37	20.36		1
	8	4	20.20	20.31	20.35		
	8	7	20.22	20.25	20.20		
	15	0	20.37	20.32	20.35	1	
16QAM	1	0	20.24	20.28	20.29	≤ 1	1
	1	7	20.07	20.12	20.20		
	1	14	20.05	20.00	20.07		
	8	0	19.20	19.22	19.26	≤ 2	2
	8	4	19.17	19.15	19.22		
	8	7	19.10	19.16	19.19		
	15	0	20.37	19.24	19.29		2
64QAM	1	0	19.29	19.27	19.20	≤ 2	2
	1	7	19.14	19.07	19.05		
	1	14	19.05	19.16	18.96		
	8	0	18.30	18.26	18.31	≤ 3	3
	8	4	18.18	18.19	18.24		
	8	7	18.21	18.20	18.18		
	15	0	18.26	18.34	18.25		3
256QAM	1	0	16.31	16.29	16.25	≤ 5	5
	1	7	16.10	16.26	16.11		
	1	14	16.03	16.13	16.05		
	8	0	16.42	16.35	16.29	≤ 5	5
	8	4	16.17	16.25	16.21		
	8	7	16.03	16.24	16.28		
	15	0	16.27	16.16	16.19		

Table 8.3.7-1.4 LTE Conducted Power

LTE Band 5 (Cell) Conducted Power- 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			20407 (824.7 MHz)	20525 (836.5 MHz)	20643 (848.3 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	21.26	21.39	21.23	0	0
	1	2	21.16	21.07	21.17		
	1	5	21.05	21.00	21.15		
	3	0	21.22	21.29	21.24	0	0
	3	2	21.00	20.99	21.09		
	3	3	20.84	20.88	20.95		
	6	0	20.27	20.32	20.28	0-1	1
16QAM	1	0	20.25	20.26	20.34	0-1	1
	1	2	20.24	20.26	20.25		
	1	5	20.08	20.11	20.20		
	3	0	20.14	20.28	20.29	0-1	1
	3	2	20.09	20.15	20.13		
	3	3	20.02	20.00	20.06		
	6	0	20.27	19.24	19.28	0-2	2
64QAM	1	0	19.20	19.28	19.25	0-2	2
	1	2	19.07	19.09	19.15		
	1	5	19.11	19.03	19.05		
	3	0	19.06	19.16	19.25	0-2	2
	3	2	18.96	18.90	19.06		
	3	3	18.90	19.00	18.92		
	6	0	18.19	18.38	18.23	0-3	3
256QAM	1	0	16.38	16.38	16.30	≤ 5	5
	1	2	16.18	16.12	16.01		
	1	5	16.15	16.14	16.17		
	3	0	16.27	16.28	16.27	≤ 5	5
	3	2	16.11	16.10	15.93		
	3	3	16.02	15.99	15.97		
	6	0	16.30	16.14	16.16	≤ 5	5

Table 8.3.7-1.5 LTE Conducted Power

Band & Mode		Modulated Average[dBm]
LTE Band 66 (AWS)	Maximum	24.0
	Nominal	23.0

Table 8.1.8.1 Nominal and Maximum Output Power Spec

8) LTE Band 66 (AWS)

LTE Band 66 (AWS) Conducted Power– 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			132072 (1 720.0 MHz)	132322 (1 745.0 MHz)	132572 (1 770.0 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	22.49	22.55	22.50	≤ 1	0
	1	50	22.30	22.37	22.26		
	1	99	22.32	22.51	22.39		
	50	0	21.40	21.44	21.35		1
	50	25	21.27	21.38	21.31		
	50	50	21.38	21.38	21.27		
	100	0	21.40	21.45	21.30	1	
16QAM	1	0	21.46	21.47	21.41	≤ 1	1
	1	50	21.32	21.31	21.38		
	1	99	21.32	21.47	21.31		
	50	0	20.45	20.44	20.42	≤ 2	2
	50	25	20.39	20.30	20.38		
	50	50	20.39	20.31	20.35		
	100	0	21.40	20.40	20.33		2
64QAM	1	0	20.41	20.49	20.38	≤ 2	2
	1	50	20.35	20.34	20.37		
	1	99	20.32	20.40	20.33		
	50	0	19.34	19.46	19.50	≤ 3	3
	50	25	19.33	19.39	19.38		
	50	50	19.28	19.41	19.43		
	100	0	19.28	19.36	19.36		3
256QAM	1	0	17.50	17.55	17.51	≤ 5	5
	1	50	17.38	17.44	17.31		
	1	99	17.45	17.48	17.37		
	50	0	17.38	17.45	17.41	≤ 5	5
	50	25	17.35	17.44	17.31		
	50	50	17.33	17.41	17.36		
	100	0	17.30	17.36	17.35		5

Table 8.3.8.2 LTE Conducted Power

LTE Band 66 (AWS) Conducted Power– 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			132047 (1 717.5 MHz)	132322 (1 745.0 MHz)	132597 (1 772.5 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	22.49	22.47	22.50	≤ 1	0
	1	36	22.47	22.33	22.41		
	1	74	22.40	22.35	22.49		
	36	0	21.40	21.40	21.34		1
	36	18	21.30	21.38	21.31		
	36	37	21.38	21.29	21.30		
	75	0	21.44	21.41	21.35		1
16QAM	1	0	21.40	21.46	21.38	≤ 1	1
	1	36	21.34	21.32	21.32		
	1	74	21.30	21.37	21.38		
	36	0	20.43	20.37	20.42	≤ 2	2
	36	18	20.36	20.33	20.38		
	36	37	20.42	20.32	20.40		
	75	0	21.44	20.34	20.29		2
64QAM	1	0	20.45	20.43	20.33	≤ 2	2
	1	36	20.36	20.29	20.28		
	1	74	20.39	20.40	20.32		
	36	0	19.41	19.42	19.40	≤ 3	3
	36	18	19.36	19.34	19.38		
	36	37	19.34	19.36	19.30		
	75	0	19.36	19.34	19.32		3
256QAM	1	0	17.58	17.53	17.52	≤ 5	5
	1	36	17.31	17.35	17.35		
	1	74	17.40	17.49	17.46		
	36	0	17.42	17.39	17.42	≤ 5	5
	36	18	17.42	17.31	17.34		
	36	37	17.38	17.34	17.31		
	75	0	17.35	17.35	17.34		5

Table 8.3.8.3 LTE Conducted Power

LTE Band 66 (AWS) Conducted Power- 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			132022 (1 715.0 MHz)	132322 (1 745.0 MHz)	132622 (1 775.0 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	22.45	22.49	22.46	≤ 1	0
	1	25	22.34	22.37	22.40		
	1	49	22.41	22.48	22.43		
	25	0	21.38	21.37	21.41		1
	25	12	21.30	21.31	21.36		
	25	25	21.36	21.33	21.39		
	50	0	21.39	21.32	21.35		1
16QAM	1	0	21.47	21.35	21.45	≤ 1	1
	1	25	21.26	21.32	21.37		
	1	49	21.40	21.29	21.31		
	25	0	20.40	20.36	20.33	≤ 2	2
	25	12	20.34	20.33	20.31		
	25	25	20.32	20.34	20.31		
	50	0	21.39	20.36	20.28		
64QAM	1	0	20.41	20.40	20.45	≤ 2	2
	1	25	20.35	20.38	20.44		
	1	49	20.40	20.40	20.43		
	25	0	19.34	19.43	19.36	≤ 3	3
	25	12	19.31	19.36	19.31		
	25	25	19.31	19.41	19.31		
	50	0	19.33	19.29	19.35		
256QAM	1	0	17.42	17.54	17.52	≤ 5	5
	1	25	17.29	17.42	17.37		
	1	49	17.40	17.32	17.44		
	25	0	17.34	17.44	17.36	≤ 5	5
	25	12	17.28	17.40	17.35		
	25	25	17.33	17.36	17.32		
	50	0	17.27	17.32	17.29		

Table 8.3.8.4 LTE Conducted Power

LTE Band 66 (AWS) Conducted Power- 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			131997 (1712.5 MHz)	132322 (1745.0 MHz)	132647 (1777.5 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	22.44	22.50	22.45	≤ 1	0
	1	12	22.35	22.40	22.31		1
	1	24	22.37	22.43	22.44		
	12	0	21.40	21.36	21.34		
	12	6	21.33	21.32	21.31		
	12	13	21.28	21.29	21.33		
	25	0	21.32	21.34	21.31		1
16QAM	1	0	21.45	21.41	21.40	≤ 1	1
	1	12	21.38	21.38	21.34		
	1	24	21.44	21.37	21.39		
	12	0	20.40	20.37	20.41	≤ 2	2
	12	6	20.37	20.29	20.38		
	12	13	20.36	20.28	20.36		
	25	0	21.32	20.34	20.31		
64QAM	1	0	20.42	20.42	20.46	≤ 2	2
	1	12	20.35	20.40	20.29		
	1	24	20.37	20.39	20.44		
	12	0	19.36	19.41	19.43	≤ 3	3
	12	6	19.33	19.37	19.39		
	12	13	19.33	19.31	19.36		
	25	0	19.34	19.35	19.30		
256QAM	1	0	17.54	17.53	17.44	≤ 5	5
	1	12	17.30	17.47	17.37		
	1	24	17.35	17.36	17.40		
	12	0	17.38	17.38	17.37	≤ 5	5
	12	6	17.34	17.29	17.33		
	12	13	17.36	17.35	17.28		
	25	0	17.29	17.34	17.34		

Table 8.3.8.5 LTE Conducted Power

LTE Band 66 (AWS) Conducted Power~ 3 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)	
			131987 (1 711.5 MHz)	132322 (1 745.0 MHz)	132657 (1 778.5 MHz)			
			Conducted Power (dBm)					
QPSK	1	0	22.42	22.50	22.46	≤ 1	0	
	1	7	22.37	22.45	22.31			
	1	14	22.40	22.45	22.36			
	8	0	21.41	21.35	21.40			
	8	4	21.39	21.28	21.37		1	
	8	7	21.33	21.30	21.31			
	15	0	21.31	21.29	21.34			
	15	0	21.31	21.29	21.34			
16QAM	1	0	21.39	21.45	21.44	≤ 1	1	
	1	7	21.37	21.32	21.41			
	1	14	21.36	21.33	21.36			
	8	0	20.43	20.37	20.33			
	8	4	20.37	20.34	20.29		≤ 2	2
	8	7	20.27	20.26	20.31			
	15	0	21.31	20.30	20.27			
	15	0	21.31	20.30	20.27			
64QAM	1	0	20.42	20.41	20.44	≤ 2	2	
	1	7	20.39	20.28	20.33			
	1	14	20.37	20.26	20.41			
	8	0	19.42	19.46	19.42			
	8	4	19.38	19.33	19.33		≤ 3	3
	8	7	19.36	19.35	19.35			
	15	0	19.35	19.34	19.29			
	15	0	19.35	19.34	19.29			
256QAM	1	0	17.48	17.51	17.42	≤ 5	5	
	1	7	17.47	17.31	17.40			
	1	14	17.43	17.33	17.39			
	8	0	17.37	17.39	17.40			
	8	4	17.28	17.33	17.34		≤ 5	5
	8	7	17.27	17.36	17.36			
	15	0	17.31	17.32	17.31			
	15	0	17.31	17.32	17.31			

Table 8.3.8.6 LTE Conducted Power

LTE Band 66 (AWS) Conducted Power- 1.4 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)		
			131979 (1 710.7 MHz)	132322 (1 745.0 MHz)	132665 (1 779.3 MHz)				
			Conducted Power (dBm)						
QPSK	1	0	22.52	22.51	22.52	≤ 1	0		
	1	2	22.31	22.39	22.38				
	1	5	22.38	22.30	22.35				
	3	0	22.38	22.41	22.48				
	3	2	22.30	22.22	22.12		0		
	3	3	22.14	22.27	22.15				
	6	0	21.32	21.33	21.36				
	1	0	21.42	21.35	21.44			≤ 1	1
16QAM	1	2	21.32	21.32	21.37				
	1	5	21.35	21.28	21.29				
	3	0	21.50	21.35	21.34				
	3	2	21.36	21.24	21.22				
	3	3	21.17	21.10	21.21	1			
	6	0	21.32	20.36	20.34				
	1	0	20.38	20.48	20.43		≤ 2		2
	64QAM	1	2	20.26	20.35			20.32	
1		5	20.37	20.34	20.37				
3		0	20.23	20.26	20.35	2			
3		2	20.16	20.18	20.13				
3		3	20.17	20.20	20.17				
6		0	19.30	19.30	19.28			≤ 3	3
256QAM		1	0	17.47	17.52	17.55			
		1	2	17.41	17.36	17.43	≤ 5		
	1	5	17.31	17.35	17.38				
	3	0	17.29	17.46	17.44				
	3	2	17.14	17.18	17.24	≤ 5			5
	3	3	17.25	17.21	17.22				
	6	0	17.31	17.39	17.32				

Table 8.3.8.7 LTE Conducted Power

CA Conf.	RF Expos. Cond.	UL																	
		PCC						SCC						MPR	Standalone			PCC+ SCC	
		Modulation	RB Size	RB Offset	BW	Freq.	Ch.	Modulation	RB Size	RB Offset	BW	Freq.	Ch.		LTE Rel.8	Aggregated BW	MPR	Tune-up Limit	CA Power (Total PCC+SCC)
CA_66B	Body	QPSK	1	49	10	1745.0	132322	QPSK	1	0	10	1754.9	132421	0	22.55	20	0	24.0	22.52
CA_66C	Body	QPSK	1	99	20	1745.0	132322	QPSK	1	0	20	1764.8	132520	0	22.55	20	0	24.0	22.47

Table 8.3.8.8 LTE Conducted Power

Band & Mode		Modulated Average[dBm]
LTE Band 66 (AWS) (ENDC)	Maximum	22.0
	Nominal	21.0

Table 8.3.8-1.1 Nominal and Maximum Output Power Spec

8-1) LTE Band 66 (AWS) (ENDC)

LTE Band 66 (AWS) Conducted Power– 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			132072 (1 720.0 MHz)	132322 (1 745.0 MHz)	132572 (1 770.0 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	21.22	21.34	21.29	≤ 1	0
	1	50	21.07	21.15	21.05		
	1	99	21.14	21.25	21.20		
	50	0	20.13	20.28	20.05		1
	50	25	20.07	20.17	20.01		
	50	50	20.13	20.10	19.99		
	100	0	20.14	20.20	20.08		1
16QAM	1	0	20.20	20.25	20.24	≤ 1	1
	1	50	20.18	20.06	20.18		
	1	99	20.08	20.23	20.05		
	50	0	19.22	19.22	19.21	≤ 2	2
	50	25	19.19	19.06	19.12		
	50	50	19.11	19.11	19.14		
	100	0	20.14	19.20	19.12		2
64QAM	1	0	19.19	19.28	19.21	≤ 2	2
	1	50	19.10	19.15	19.19		
	1	99	19.05	19.18	19.16		
	50	0	18.12	18.25	18.20	≤ 3	3
	50	25	18.11	18.23	18.20		
	50	50	18.09	18.15	18.17		
	100	0	18.06	18.10	18.11		3
256QAM	1	0	16.26	16.30	16.36	≤ 5	5
	1	50	16.25	16.15	16.03		
	1	99	16.24	16.23	16.12		
	50	0	16.16	16.23	16.17	≤ 5	5
	50	25	16.06	16.17	16.14		
	50	50	16.11	16.23	16.11		
	100	0	16.01	16.11	16.10		5

Table 8.3.8-1.2 LTE Conducted Power

LTE Band 66 (AWS) Conducted Power– 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			132047 (1 717.5 MHz)	132322 (1 745.0 MHz)	132597 (1 772.5 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	21.30	21.19	21.26	≤ 1	0
	1	36	21.23	21.10	21.13		
	1	74	21.17	21.07	21.21		
	36	0	20.15	20.20	20.16		1
	36	18	20.09	20.18	20.11		
	36	37	20.13	20.09	20.10		
	75	0	20.18	20.14	20.17		1
16QAM	1	0	20.14	20.20	20.19	≤ 1	1
	1	36	20.05	20.04	20.14		
	1	74	20.06	20.15	20.14		
	36	0	19.25	19.14	19.18	≤ 2	2
	36	18	19.07	19.11	19.09		
	36	37	19.18	19.02	19.12		
	75	0	20.18	19.12	19.07		2
64QAM	1	0	19.25	19.29	19.11	≤ 2	2
	1	36	19.08	19.08	19.02		
	1	74	19.24	19.07	19.10		
	36	0	18.19	18.25	18.16	≤ 3	3
	36	18	18.12	18.11	18.10		
	36	37	18.19	18.13	18.09		
	75	0	18.03	18.03	18.00		3
256QAM	1	0	16.36	16.32	16.32	≤ 5	5
	1	36	16.17	16.17	16.19		
	1	74	16.11	16.20	16.14		
	36	0	16.23	16.17	16.23	≤ 5	5
	36	18	16.20	16.07	16.09		
	36	37	16.15	16.08	16.00		
	75	0	16.15	16.08	16.15		5

Table 8.3.8-1.3 LTE Conducted Power

LTE Band 66 (AWS) Conducted Power- 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			132022 (1 715.0 MHz)	132322 (1 745.0 MHz)	132622 (1 775.0 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	21.18	21.28	21.23	≤ 1	0
	1	25	21.04	21.05	21.11		
	1	49	21.12	21.23	21.17		
	25	0	20.19	20.25	20.19		1
	25	12	20.07	20.08	20.07		
	25	25	20.13	20.09	20.15		
	50	0	20.14	20.17	20.09		1
16QAM	1	0	20.31	20.14	20.19	≤ 1	1
	1	25	20.06	20.01	20.14		
	1	49	20.25	20.07	20.04		
	25	0	19.18	19.15	19.15	≤ 2	2
	25	12	19.13	19.09	19.08		
	25	25	19.13	19.09	19.08		
	50	0	20.14	19.14	19.04	2	
64QAM	1	0	19.19	19.24	19.26	≤ 2	2
	1	25	19.05	19.17	19.22		
	1	49	19.12	19.18	19.14		
	25	0	18.11	18.21	18.10	≤ 3	3
	25	12	18.01	18.19	18.07		
	25	25	17.97	18.17	18.05		
	50	0	18.04	18.13	18.04	3	
256QAM	1	0	16.12	16.30	16.29	≤ 5	5
	1	25	16.09	16.10	16.22		
	1	49	16.11	16.11	16.21		
	25	0	16.08	16.26	16.16	≤ 5	5
	25	12	16.01	16.17	16.10		
	25	25	16.06	16.11	16.03		
	50	0	16.14	16.15	16.03	≤ 5	5

Table 8.3.8-1.4 LTE Conducted Power

LTE Band 66 (AWS) Conducted Power- 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			131997 (1 712.5 MHz)	132322 (1 745.0 MHz)	132647 (1 777.5 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	21.27	21.26	21.28	≤ 1	0
	1	12	21.05	21.19	21.06		1
	1	24	21.13	21.18	21.19		
	12	0	20.15	20.16	20.12		
	12	6	20.14	20.08	20.08		
	12	13	20.09	20.14	20.04		
	25	0	20.01	20.05	20.00		1
16QAM	1	0	20.19	20.23	20.28	≤ 1	1
	1	12	20.13	20.13	20.14		
	1	24	20.15	20.11	20.15		
	12	0	19.20	19.16	19.14		
	12	6	19.19	19.08	19.13	≤ 2	2
	12	13	19.08	19.02	19.10		
	25	0	20.01	19.10	19.08		
64QAM	1	0	19.25	19.21	19.23	≤ 2	2
	1	12	19.13	19.11	19.06		
	1	24	19.21	19.10	19.20		
	12	0	18.12	18.16	18.25		
	12	6	18.06	18.05	18.21	≤ 3	3
	12	13	18.02	18.13	18.15		
	25	0	18.11	18.12	18.07		
256QAM	1	0	16.21	16.27	16.23	≤ 5	5
	1	12	16.07	16.16	16.08		
	1	24	16.16	16.21	16.22		
	12	0	16.18	16.16	16.15		
	12	6	16.09	16.10	16.12	≤ 5	5
	12	13	16.11	16.12	16.11		
	25	0	16.02	16.15	16.10		

Table 8.3.8-1.5 LTE Conducted Power

LTE Band 66 (AWS) Conducted Power~ 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			131987 (1 711.5 MHz)	132322 (1 745.0 MHz)	132657 (1 778.5 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	21.23	21.33	21.26	≤ 1	0
	1	7	21.06	21.26	21.06		
	1	14	21.12	21.21	21.12		
	8	0	20.16	20.17	20.17		1
	8	4	20.07	20.14	20.14		
	8	7	20.07	20.09	20.11		
	15	0	20.07	20.06	20.14	1	
	16QAM	1	0	20.15	20.17	20.19	≤ 1
1		7	20.08	20.10	20.17		
1		14	20.09	20.10	20.12		
8		0	19.21	19.13	19.15	≤ 2	2
8		4	19.18	19.13	19.07		
8		7	19.09	19.06	19.02		
15		0	20.07	19.05	19.01		2
64QAM		1	0	19.16	19.16	19.23	≤ 2
	1	7	19.07	19.14	19.10		
	1	14	19.08	19.12	19.19		
	8	0	18.19	18.26	18.23	≤ 3	3
	8	4	18.17	18.20	18.18		
	8	7	18.17	18.13	18.02		
	15	0	18.12	18.06	18.14		3
	256QAM	1	0	16.32	16.25	16.26	≤ 5
1		7	16.17	16.20	16.14		
1		14	16.19	16.13	16.15		
8		0	16.11	16.18	16.21	≤ 5	5
8		4	16.11	16.06	16.09		
8		7	16.03	16.07	16.11		
15		0	16.05	16.05	16.07		5

Table 8.3.8-1.6 LTE Conducted Power

LTE Band 66 (AWS) Conducted Power- 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			131979 (1 710.7 MHz)	132322 (1 745.0 MHz)	132665 (1 779.3 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	21.23	21.30	21.30	≤ 1	0
	1	2	21.15	21.11	21.16		
	1	5	21.16	21.10	21.17		
	3	0	20.19	20.15	20.26		0
	3	2	20.03	20.07	20.07		
	3	3	20.04	20.09	20.07		
	6	0	20.02	20.04	20.18		1
16QAM	1	0	20.15	20.12	20.20	≤ 1	1
	1	2	19.97	20.07	20.19		
	1	5	20.09	20.09	20.12		
	3	0	19.25	19.21	19.13		1
	3	2	19.07	19.03	19.02		
	3	3	19.04	19.06	19.02		
	6	0	20.02	19.16	19.09		2
64QAM	1	0	19.20	19.19	19.26	≤ 2	2
	1	2	19.04	19.12	19.06		
	1	5	19.17	19.15	19.14		
	3	0	18.15	18.15	18.08		2
	3	2	18.14	18.10	18.05		
	3	3	18.04	18.12	18.04		
	6	0	18.09	18.06	18.02		3
256QAM	1	0	16.28	16.30	16.31	≤ 5	5
	1	2	16.15	16.09	16.20		
	1	5	16.09	16.19	16.12		
	3	0	15.17	15.17	15.27	≤ 5	5
	3	2	15.12	15.06	15.07		
	3	3	15.14	15.12	15.09		
	6	0	16.17	16.15	16.09	5	

Table 8.3.8-1.7 LTE Conducted Power

Band & Mode		Modulated Average[dBm]
LTE Band 4	Maximum	24.0
	Nominal	23.0

Table 8.3.9.1 Nominal and Maximum Output Power Spec

9) LTE Band 4

LTE Band 4 (AWS) Conducted Power- 20 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			20175 (1 732.5 MHz)		
			Conducted Power (dBm)		
QPSK	1	0	22.70	≤ 1	0
	1	50	22.69		
	1	99	22.60		
	50	0	21.62		1
	50	25	21.55		
	50	50	21.60		
	100	0	21.58		1
16QAM	1	0	21.65	≤ 1	1
	1	50	21.57		
	1	99	21.59		
	50	0	20.48	≤ 2	2
	50	25	20.45		
	50	50	20.47		
	100	0	20.51		
64QAM	1	0	20.60	≤ 2	2
	1	50	20.50		
	1	99	20.58		
	50	0	19.55	≤ 3	3
	50	25	19.53		
	50	50	19.50		
	100	0	19.58		
256QAM	1	0	17.83	≤ 5	5
	1	50	17.68		
	1	99	17.66		
	50	0	17.75	≤ 5	5
	50	25	17.68		
	50	50	17.73		
	100	0	17.60		

Table 8.3.9.2 LTE Conducted Power

Note: LTE B4 can not contain three non-overlapping channels of 20 MHz bandwidth.

Per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

LTE Band 4 (AWS) Conducted Power- 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			20025 (1 717.5 MHz)	20175 (1 732.5 MHz)	20325 (1 747.5 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	22.61	22.59	22.67	≤ 1	0
	1	36	22.49	22.42	22.53		
	1	74	22.48	22.55	22.54		
	36	0	21.53	21.55	21.51		
	36	18	21.37	21.45	21.33		1
	36	37	21.51	21.42	21.42		
	75	0	21.55	21.54	21.52		
	75	0	21.55	21.54	21.52		
16QAM	1	0	21.55	21.44	21.57	≤ 1	1
	1	36	21.45	21.36	21.53		
	1	74	21.52	21.37	21.44		
	36	0	20.53	20.52	20.50		
	36	18	20.49	20.46	20.32	≤ 2	2
	36	37	20.36	20.43	20.49		
	75	0	21.55	20.37	20.56		
	75	0	21.55	20.37	20.56		
64QAM	1	0	20.58	20.62	20.56	≤ 2	2
	1	36	20.53	20.49	20.55		
	1	74	20.51	20.48	20.36		
	36	0	19.42	19.50	19.48		
	36	18	19.37	19.33	19.36	≤ 3	3
	36	37	19.33	19.45	19.31		
	75	0	19.45	19.46	19.53		
	75	0	19.45	19.46	19.53		
256QAM	1	0	17.79	17.74	17.73	≤ 5	5
	1	36	17.67	17.55	17.68		
	1	74	17.57	17.53	17.60		
	36	0	17.65	17.71	17.69		
	36	18	17.52	17.63	17.52	≤ 5	5
	36	37	17.57	17.55	17.56		
	75	0	17.61	17.37	17.54		
	75	0	17.61	17.37	17.54		

Table 8.3.9.3 LTE Conducted Power

LTE Band 4 (AWS) Conducted Power- 10 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)	
			20000 (1 715.0 MHz)	20175 (1 732.5 MHz)	20350 (1 750.0 MHz)			
Conducted Power (dBm)								
QPSK	1	0	22.49	22.66	22.58	≤ 1	0	
	1	25	22.41	22.61	22.49			
	1	49	22.43	22.55	22.54			
	25	0	21.45	21.48	21.58		1	
	25	12	21.35	21.41	21.48			
	25	25	21.44	21.44	21.54			
	50	0	21.55	21.40	21.48			
16QAM	1	0	21.46	21.64	21.48	≤ 1	1	
	1	25	21.45	21.45	21.47			
	1	49	21.40	21.53	21.45			
	25	0	20.55	20.49	20.47		≤ 2	2
	25	12	20.45	20.38	20.47			
	25	25	20.37	20.45	20.45			
	50	0	21.55	20.60	20.37			
64QAM	1	0	20.45	20.64	20.53	≤ 2	2	
	1	25	20.41	20.49	20.50			
	1	49	20.36	20.59	20.45			
	25	0	19.55	19.46	19.49		≤ 3	3
	25	12	19.45	19.42	19.38			
	25	25	19.49	19.32	19.36			
	50	0	19.43	19.53	19.53			
256QAM	1	0	17.64	17.75	17.54	≤ 5	5	
	1	25	17.59	17.69	17.48			
	1	49	17.53	17.55	17.49			
	25	0	17.56	17.66	17.72		≤ 5	5
	25	12	17.52	17.58	17.63			
	25	25	17.54	17.52	17.61			
	50	0	17.55	17.52	17.49			

Table 8.3.9.4 LTE Conducted Power

LTE Band 4 (AWS) Conducted Power- 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			19975 (1 712.5 MHz)	20175 (1 732.5 MHz)	20375 (1 752.5 MHz)		
Conducted Power (dBm)							
QPSK	1	0	22.55	22.54	22.65	≤ 1	0
	1	12	22.44	22.45	22.53		
	1	24	22.45	22.54	22.55		
	12	0	21.49	21.59	21.60		1
	12	6	21.47	21.48	21.44		
	12	13	21.44	21.43	21.32		
16QAM	25	0	21.43	21.39	21.57	≤ 1	1
	1	0	21.54	21.54	21.57		1
	1	12	21.39	21.48	21.52		
	1	24	21.50	21.49	21.41		
	12	0	20.46	20.49	20.55		2
	12	6	20.45	20.45	20.52		
64QAM	12	13	20.46	20.44	20.45	≤ 2	2
	25	0	21.43	20.47	20.56		2
	1	0	20.53	20.60	20.63		
	1	12	20.44	20.51	20.39		
	1	24	20.35	20.55	20.58		2
	12	0	19.50	19.44	19.48		
256QAM	12	6	19.37	19.35	19.34	≤ 3	3
	12	13	19.45	19.33	19.45		3
	25	0	19.38	19.43	19.42		
	1	0	17.63	17.49	17.72		
	1	12	17.55	17.42	17.66		
	1	24	17.58	17.44	17.68		
256QAM	12	0	17.55	17.68	17.75	≤ 5	5
	12	6	17.48	17.56	17.54		
	12	13	17.51	17.55	17.49		
	25	0	17.41	17.41	17.44		5

Table 8.3.9.5 LTE Conducted Power

LTE Band 4 (AWS) Conducted Power– 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			19965 (1 711.5 MHz)	20175 (1 732.5 MHz)	20385 (1 753.5 MHz)		
Conducted Power (dBm)							
QPSK	1	0	22.47	22.69	22.58	≤ 1	0
	1	7	22.47	22.66	22.45		
	1	14	22.46	22.60	22.51		
	8	0	21.61	21.60	21.52		1
	8	4	21.51	21.48	21.41		
	8	7	21.54	21.52	21.41		
	15	0	21.50	21.44	21.49		
16QAM	1	0	21.58	21.51	21.53	≤ 1	1
	1	7	21.44	21.49	21.49		
	1	14	21.44	21.48	21.37		
	8	0	20.45	20.43	20.56		≤ 2
	8	4	20.40	20.40	20.55		
	8	7	20.35	20.35	20.38		
	15	0	21.50	20.57	20.59	2	
64QAM	1	0	20.52	20.56	20.62	≤ 2	2
	1	7	20.42	20.51	20.50		
	1	14	20.38	20.42	20.38		
	8	0	19.48	19.48	19.52		≤ 3
	8	4	19.45	19.44	19.49		
	8	7	19.44	19.44	19.44		
	15	0	19.35	19.57	19.43	3	
256QAM	1	0	17.62	17.81	17.65	≤ 5	5
	1	7	17.53	17.62	17.60		
	1	14	17.57	17.68	17.62		
	8	0	17.69	17.65	17.62		≤ 5
	8	4	17.60	17.62	17.48		
	8	7	17.56	17.58	17.57		
	15	0	17.57	17.44	17.37	≤ 5	

Table 8.3.9.6 LTE Conducted Power

TE Band 4 (AWS) Conducted Power- 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			19957 (1 710.7 MHz)	20175 (1 732.5 MHz)	20393 (1 754.3 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	22.55	22.63	22.54	≤ 1	0
	1	2	22.53	22.63	22.42		
	1	5	22.48	22.62	22.53		
	3	0	22.49	22.56	22.55		0
	3	2	22.36	22.38	22.30		
	3	3	22.35	22.45	22.52		
	6	0	21.54	21.49	21.54		1
16QAM	1	0	21.49	21.58	21.58	≤ 1	1
	1	2	21.39	21.44	21.49		
	1	5	21.45	21.54	21.54		
	3	0	21.43	21.46	21.45		1
	3	2	21.29	21.22	21.42		
	3	3	21.31	21.44	21.39		
	6	0	21.54	20.51	20.46		≤ 2
64QAM	1	0	20.55	20.61	20.55	≤ 2	2
	1	2	20.45	20.49	20.53		
	1	5	20.49	20.52	20.51		
	3	0	20.44	20.44	20.43		2
	3	2	20.43	20.33	20.35		
	3	3	20.37	20.34	20.37		
	6	0	19.41	19.51	19.53		≤ 3
256QAM	1	0	17.45	17.72	17.71	≤ 5	5
	1	2	17.42	17.69	17.58		
	1	5	17.32	17.68	17.63		
	3	0	17.55	17.61	17.64	≤ 5	5
	3	2	17.25	17.47	17.44		
	3	3	17.19	17.60	17.56		
	6	0	17.49	17.50	17.53	≤ 5	5

Table 8.3.9.7 LTE Conducted Power

Band & Mode		Modulated Average[dBm]
LTE Band 4 (ENDC)	Maximum	22.0
	Nominal	21.0

Table 8.3.9-1.1 Nominal and Maximum Output Power Spec

9-1) LTE Band 4 (ENDC)

LTE Band 4 (AWS) Conducted Power- 20 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			20175 (1 732.5 MHz)		
			Conducted Power (dBm)		
QPSK	1	0	21.52	≤ 1	0
	1	50	21.45		
	1	99	21.45		
	50	0	20.51		1
	50	25	20.38		
	50	50	20.35		
	100	0	20.43		1
16QAM	1	0	20.49	≤ 1	1
	1	50	20.44		
	1	99	20.43		
	50	0	19.37	≤ 2	2
	50	25	19.31		
	50	50	19.31		
	100	0	20.43		
64QAM	1	0	19.54	≤ 2	2
	1	50	19.49		
	1	99	19.46		
	50	0	18.36	≤ 3	3
	50	25	18.31		
	50	50	18.24		
	100	0	18.44		
256QAM	1	0	16.67	≤ 5	5
	1	50	16.56		
	1	99	16.51		
	50	0	16.64	≤ 5	5
	50	25	16.50		
	50	50	16.53		
	100	0	16.45		

Table 8.3.9-1.2 LTE Conducted Power

Note: LTE B4 can not contain three non-overlapping channels of 20 MHz bandwidth.

Per KDB 941225 D05v02r05, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

LTE Band 4 (AWS) Conducted Power- 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			20025 (1 717.5 MHz)	20175 (1 732.5 MHz)	20325 (1 747.5 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	21.42	21.48	21.48	≤ 1	0
	1	36	21.36	21.38	21.42		
	1	74	21.31	21.39	21.45		
	36	0	20.39	20.46	20.42		1
	36	18	20.31	20.37	20.32		
	36	37	20.35	20.26	20.33		
	75	0	20.39	20.35	20.37		
16QAM	1	0	20.37	20.33	20.42	≤ 1	1
	1	36	20.31	20.29	20.35		
	1	74	20.24	20.25	20.28		
	36	0	19.30	19.38	19.25	≤ 2	2
	36	18	19.26	19.29	19.23		
	36	37	19.25	19.27	19.24		
	75	0	20.39	19.33	19.31		
64QAM	1	0	19.34	19.51	19.44	≤ 2	2
	1	36	19.31	19.34	19.31		
	1	74	19.31	19.35	19.32		
	36	0	18.30	18.31	18.28	≤ 3	3
	36	18	18.29	18.31	18.22		
	36	37	18.27	18.22	18.24		
	75	0	18.29	18.38	18.34		
256QAM	1	0	16.54	16.56	16.58	≤ 5	5
	1	36	16.48	16.55	16.51		
	1	74	16.47	16.38	16.53		
	36	0	16.49	16.50	16.50	≤ 5	5
	36	18	16.42	16.35	16.44		
	36	37	16.48	16.43	16.43		
	75	0	16.45	16.34	16.31		

Table 8.3.9-1.3 LTE Conducted Power

LTE Band 4 (AWS) Conducted Power- 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			20000 (1 715.0 MHz)	20175 (1 732.5 MHz)	20350 (1 750.0 MHz)		
Conducted Power (dBm)							
QPSK	1	0	21.30	21.50	21.41	≤ 1	0
	1	25	21.30	21.46	21.35		
	1	49	21.25	21.50	21.37		
	25	0	20.34	20.40	20.37		1
	25	12	20.27	20.21	20.31		
	25	25	20.27	20.33	20.32		
	50	0	20.35	20.33	20.27		1
16QAM	1	0	20.37	20.49	20.44	≤ 1	1
	1	25	20.24	20.44	20.35		
	1	49	20.31	20.44	20.37		
	25	0	19.31	19.29	19.36	≤ 2	2
	25	12	19.30	19.21	19.29		
	25	25	19.30	19.29	19.26		
	50	0	20.35	19.34	19.33		2
64QAM	1	0	19.32	19.42	19.48	≤ 2	2
	1	25	19.31	19.27	19.30		
	1	49	19.32	19.37	19.38		
	25	0	18.31	18.26	18.31	≤ 3	3
	25	12	18.27	18.22	18.29		
	25	25	18.23	18.23	18.21		
	50	0	18.24	18.23	18.25		3
256QAM	1	0	16.41	16.58	16.38	≤ 5	5
	1	25	16.35	16.55	16.35		
	1	49	16.40	16.46	16.30		
	25	0	16.39	16.55	16.53	≤ 5	5
	25	12	16.36	16.39	16.46		
	25	25	16.38	16.44	16.49		
	50	0	16.34	16.36	16.39		5

Table 8.3.9-1.4 LTE Conducted Power

LTE Band 4 (AWS) Conducted Power- 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			19975 (1 712.5 MHz)	20175 (1 732.5 MHz)	20375 (1 752.5 MHz)		
Conducted Power (dBm)							
QPSK	1	0	21.40	21.45	21.48	≤ 1	0
	1	12	21.23	21.36	21.43		
	1	24	21.37	21.33	21.46		
	12	0	20.34	20.41	20.37		1
	12	6	20.33	20.31	20.28		
	12	13	20.28	20.35	20.29		
	25	0	20.33	20.40	20.34		1
16QAM	1	0	20.34	20.32	20.40	≤ 1	1
	1	12	20.25	20.26	20.29		
	1	24	20.21	20.25	20.28		
	12	0	19.29	19.35	19.37	≤ 2	2
	12	6	19.22	19.19	19.36		
	12	13	19.24	19.32	19.20		
	25	0	20.33	19.33	19.29		2
64QAM	1	0	19.38	19.34	19.40	≤ 2	2
	1	12	19.35	19.28	19.29		
	1	24	19.33	19.31	19.37		
	12	0	18.30	18.27	18.30	≤ 3	3
	12	6	18.20	18.27	18.19		
	12	13	18.23	18.23	18.24		
	25	0	18.22	18.21	18.26		3
256QAM	1	0	16.54	16.44	16.61	≤ 5	5
	1	12	16.37	16.34	16.46		
	1	24	16.48	16.30	16.49		
	12	0	16.53	16.49	16.38	≤ 5	5
	12	6	16.31	16.46	16.33		
	12	13	16.43	16.45	16.32		
	25	0	16.39	16.25	16.31		≤ 5

Table 8.3.9-1.5 LTE Conducted Power

LTE Band 4 (AWS) Conducted Power– 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			19965 (1 711.5 MHz)	20175 (1 732.5 MHz)	20385 (1 753.5 MHz)		
Conducted Power (dBm)							
QPSK	1	0	21.42	21.51	21.45	≤ 1	0
	1	7	21.32	21.46	21.39		
	1	14	21.28	21.39	21.37		
	8	0	20.42	20.41	20.41		1
	8	4	20.35	20.26	20.25		
	8	7	20.27	20.36	20.30		
	15	0	20.32	20.35	20.34		1
16QAM	1	0	20.38	20.41	20.47	≤ 1	1
	1	7	20.33	20.36	20.29		
	1	14	20.36	20.37	20.24		
	8	0	19.39	19.26	19.34	≤ 2	2
	8	4	19.29	19.17	19.27		
	8	7	19.21	19.20	19.32		
	15	0	20.32	19.31	19.35		2
64QAM	1	0	19.36	19.39	19.37	≤ 2	2
	1	7	19.25	19.37	19.31		
	1	14	19.35	19.32	19.18		
	8	0	18.27	18.23	18.34	≤ 3	3
	8	4	18.21	18.23	18.31		
	8	7	18.21	18.19	18.22		
	15	0	18.23	18.39	18.32		3
256QAM	1	0	16.48	16.59	16.55	≤ 5	5
	1	7	16.34	16.55	16.55		
	1	14	16.47	16.51	16.52		
	8	0	16.49	16.49	16.54	≤ 5	5
	8	4	16.42	16.38	16.37		
	8	7	16.37	16.48	16.41		
	15	0	16.39	16.29	16.33		5

Table 8.3.9-1.6 LTE Conducted Power

TE Band 4 (AWS) Conducted Power- 1.4 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)	
			19957 (1 710.7 MHz)	20175 (1 732.5 MHz)	20393 (1 754.3 MHz)			
			Conducted Power (dBm)					
QPSK	1	0	21.39	21.46	21.50	≤ 1	0	
	1	2	21.26	21.38	21.33			
	1	5	21.26	21.42	21.38			
	3	0	21.31	21.34	21.31		0	
	3	2	21.29	21.21	21.19			
	3	3	21.17	21.30	21.27			
	6	0	20.37	20.37	20.29		1	
	16QAM	1	0	20.38	20.42		20.34	≤ 1
1		2	20.27	20.32	20.33			
1		5	20.27	20.39	20.33			
3		0	20.33	20.28	20.25	1		
3		2	20.12	20.14	20.13			
3		3	20.09	20.17	20.21			
6		0	20.37	19.33	19.39	≤ 2	2	
64QAM		1	0	19.38	19.58	19.44	≤ 2	
	1	2	19.29	19.26	19.40			
	1	5	19.33	19.34	19.40			
	3	0	19.29	19.35	19.31	2		
	3	2	19.16	19.25	19.30			
	3	3	19.10	19.21	19.15			
	6	0	18.33	18.37	18.29	≤ 3		3
	256QAM	1	0	16.30	16.57	16.59		≤ 5
1		2	16.19	16.49	16.41			
1		5	16.25	16.47	16.47			
3		0	16.26	16.45	16.49	≤ 5	5	
3		2	16.20	16.38	16.23			
3		3	16.13	16.31	16.37			
6		0	16.41	16.30	16.42	≤ 5	5	

Table 8.3.9-1.7 LTE Conducted Power

Band & Mode		Modulated Average[dBm]
LTE Band 25(PCS)	Maximum	24.0
	Nominal	23.0

Table 8.3.10.1 Nominal and Maximum Output Power Spec

10) LTE Band 25 (PCS)

LTE Band 25 (PCS) Conducted Power– 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			26140 (1 860.0 MHz)	26365 (1 882.5 MHz)	26590 (1 905.0 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	22.32	22.33	22.24	≤ 1	0
	1	50	22.17	22.30	22.23		
	1	99	22.02	22.26	22.19		
	50	0	21.40	21.48	21.30		1
	50	25	21.29	21.40	21.28		
	50	50	21.36	21.36	21.24		
	100	0	21.10	21.33	21.11		1
16QAM	1	0	21.21	21.24	21.22	≤ 1	1
	1	50	21.15	21.19	21.07		
	1	99	21.05	21.22	21.20		
	50	0	20.42	20.46	20.30	≤ 2	2
	50	25	20.35	20.38	20.28		
	50	50	20.28	20.33	20.14		
	100	0	21.10	20.31	20.06		2
64QAM	1	0	20.29	20.18	20.25	≤ 2	2
	1	50	20.04	20.16	20.23		
	1	99	20.15	20.11	20.18		
	50	0	19.36	19.44	19.33	≤ 3	3
	50	25	19.19	19.36	19.30		
	50	50	19.19	19.28	19.17		
	100	0	19.09	19.14	19.21		3
256QAM	1	0	17.20	17.44	17.25	≤ 5	5
	1	50	17.18	17.42	17.17		
	1	99	17.11	17.07	17.11		
	50	0	17.45	17.49	17.49	≤ 5	5
	50	25	17.42	17.32	17.33		
	50	50	17.26	17.45	17.25		
	100	0	17.24	17.19	17.12		5

Table 8.3.10.2 LTE Conducted Power

LTE Band 25 (PCS) Conducted Power- 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			26115 (1 857.5 MHz)	26365 (1 882.5 MHz)	26615 (1 907.5 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	22.26	22.30	22.30	≤ 1	0
	1	36	22.11	22.22	22.25		1
	1	74	22.22	22.24	22.25		
	36	0	21.46	21.44	21.44		
	36	18	21.29	21.41	21.29		
	36	37	21.32	21.36	21.24		
	75	0	21.30	21.14	21.30		1
16QAM	1	0	21.15	21.18	21.24	≤ 1	1
	1	36	21.07	21.06	21.21		
	1	74	21.10	21.11	21.15		
	36	0	20.39	20.39	20.26	≤ 2	2
	36	18	20.30	20.32	20.26		
	36	37	20.27	20.26	20.20		
	75	0	21.30	20.15	20.22		2
64QAM	1	0	20.38	20.27	20.30	≤ 2	2
	1	36	20.13	20.16	20.06		
	1	74	20.06	20.09	20.14		
	36	0	19.36	19.39	19.31	≤ 3	3
	36	18	19.11	19.25	19.25		
	36	37	19.21	19.35	19.12		
	75	0	19.21	19.08	19.16		3
256QAM	1	0	17.26	17.39	17.49	≤ 5	5
	1	36	17.26	17.29	17.42		
	1	74	17.06	17.19	17.24		
	36	0	17.50	17.44	17.33	≤ 5	5
	36	18	17.25	17.41	17.31		
	36	37	17.25	17.43	17.28		
	75	0	17.32	17.13	17.25		5

Table 8.3.10.3 LTE Conducted Power

LTE Band 25 (PCS) Conducted Power– 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			26090 (1 855.0 MHz)	26365 (1 882.5 MHz)	26640 (1 910.0 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	22.31	22.31	22.29	≤ 1	0
	1	25	22.27	22.19	22.18		
	1	49	22.03	22.28	22.09		
	25	0	21.47	21.44	21.46		1
	25	12	21.35	21.42	21.22		
	25	25	21.38	21.39	21.20		
	50	0	21.29	21.30	21.06		1
16QAM	1	0	21.19	21.33	21.42	≤ 1	1
	1	25	21.19	21.13	21.19		
	1	49	21.06	21.19	21.22		
	25	0	20.49	20.52	20.33	≤ 2	2
	25	12	20.47	20.38	20.25		
	25	25	20.37	20.33	20.31		
	50	0	21.29	20.28	20.16		2
64QAM	1	0	20.29	20.26	20.17	≤ 2	2
	1	25	20.08	20.16	20.05		
	1	49	20.14	20.24	20.11		
	25	0	19.45	19.48	19.41	≤ 3.	3
	25	12	19.35	19.42	19.25		
	25	25	19.37	19.40	19.37		
	50	0	19.35	19.21	19.22		3
256QAM	1	0	17.34	17.49	17.38	≤ 5	5
	1	25	17.26	17.37	17.17		
	1	49	17.18	17.17	17.28		
	25	0	17.39	17.50	17.49	≤ 5	5
	25	12	17.32	17.41	17.29		
	25	25	17.37	17.40	17.30		
	50	0	17.32	17.22	17.21	≤ 5	5

Table 8.3.10.4 LTE Conducted Power

LTE Band 25 (PCS) Conducted Power – 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			26065 (1 852.5 MHz)	26365 (1 882.5 MHz)	26665 (1 912.5 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	22.31	22.30	22.05	≤ 1	0
	1	12	21.28	21.16	21.05		
	1	24	20.34	20.18	20.18		
	12	0	17.33	17.19	17.17		1
	12	6	22.31	22.29	22.27		
	12	13	21.26	21.23	21.21		
	25	0	20.21	20.13	20.14		1
16QAM	1	0	17.40	17.27	17.14	≤ 1	1
	1	12	22.31	22.28	22.02		
	1	24	21.22	21.20	21.06		
	12	0	20.36	20.31	20.07	≤ 2	2
	12	6	17.49	17.33	17.15		
	12	13	22.31	22.30	22.05		
	25	0	21.28	21.16	21.05		2
64QAM	1	0	20.34	20.18	20.18	≤ 2	2
	1	12	17.33	17.19	17.17		
	1	24	22.31	22.29	22.27		
	12	0	21.26	21.23	21.21	≤ 3	3
	12	6	20.21	20.13	20.14		
	12	13	17.40	17.27	17.14		
	25	0	22.31	22.28	22.02		3
256QAM	1	0	21.22	21.20	21.06	≤ 5	5
	1	12	20.36	20.31	20.07		
	1	24	17.49	17.33	17.15		
	12	0	22.31	22.30	22.05	≤ 5	5
	12	6	21.28	21.16	21.05		
	12	13	20.34	20.18	20.18		
	25	0	17.33	17.19	17.17		

Table 8.3.10.5 LTE Conducted Power

LTE Band 25 (PCS) Conducted Power– 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			26055 (1 851.5 MHz)	26365 (1 882.5 MHz)	26675 (1 913.5 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	22.23	22.14	22.17	≤ 1	0
	1	7	21.34	21.16	21.23		
	1	14	20.42	20.23	20.23		
	8	0	17.42	17.25	17.12		
	8	4	22.30	22.28	22.08		
	8	7	21.30	21.13	21.26		
	15	0	20.21	20.17	20.11	1	
	16QAM	1	0	17.40	17.30	17.15	≤ 1
1		7	22.24	22.23	22.16		
1		14	21.34	21.15	21.21		
8		0	20.16	20.15	20.15	≤ 2	2
8		4	17.30	17.26	17.19		
8		7	22.23	22.14	22.17		
15		0	21.34	21.16	21.23		2
64QAM		1	0	20.42	20.23	20.23	≤ 2
	1	7	17.42	17.25	17.12		
	1	14	22.30	22.28	22.08		
	8	0	21.30	21.13	21.26	≤ 3	3
	8	4	20.21	20.17	20.11		
	8	7	17.40	17.30	17.15		
	15	0	22.24	22.23	22.16		3
	256QAM	1	0	21.34	21.15	21.21	≤ 5
1		7	20.16	20.15	20.15		
1		14	17.30	17.26	17.19		
8		0	22.23	22.14	22.17	≤ 5	5
8		4	21.34	21.16	21.23		
8		7	20.42	20.23	20.23		
15		0	17.42	17.25	17.12		5

Table 8.3.10.6 LTE Conducted Power

LTE Band 25 (PCS) Conducted Power– 1.4 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)	
			26047 (1 850.7 MHz)	26365 (1 882.5 MHz)	26683 (1 914.3 MHz)			
			Conducted Power (dBm)					
QPSK	1	0	22.25	22.23	22.12	≤ 1	0	
	1	2	21.21	21.12	21.11			
	1	5	20.28	20.19	20.21			
	3	0	17.23	17.23	17.04		0	
	3	2	22.28	22.23	22.22			
	3	3	21.31	21.30	21.04			
	6	0	20.33	20.21	20.14		1	
16QAM	1	0	17.37	17.37	17.19	≤ 1	1	
	1	2	22.29	22.25	22.24			
	1	5	21.37	21.11	21.26			
	3	0	20.34	20.14	20.26		1	
	3	2	17.44	17.20	17.32			
	3	3	22.25	22.23	22.12			
	6	0	21.21	21.12	21.11		≤ 2	2
64QAM	1	0	20.28	20.19	20.21	≤ 2	2	
	1	2	17.23	17.23	17.04			
	1	5	22.28	22.23	22.22			
	3	0	21.31	21.30	21.04		2	
	3	2	20.33	20.21	20.14			
	3	3	17.37	17.37	17.19			
	6	0	22.29	22.25	22.24		≤ 3	3
256QAM	1	0	21.37	21.11	21.26	≤ 5	5	
	1	2	20.34	20.14	20.26			
	1	5	17.44	17.20	17.32			
	3	0	22.25	22.23	22.12		≤ 5	5
	3	2	21.21	21.12	21.11			
	3	3	20.28	20.19	20.21			
	6	0	17.23	17.23	17.04		≤ 5	5

Table 8.3.10.7 LTE Conducted Power

Band & Mode		Modulated Average[dBm]
LTE Band 25(PCS) (ENDC)	Maximum	22.0
	Nominal	21.0

Table 8.3.10-1.1 Nominal and Maximum Output Power Spec

10-1) LTE Band 25 (PCS) (ENDC)

LTE Band 25 (PCS) Conducted Power- 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			26140 (1 860.0 MHz)	26365 (1 882.5 MHz)	26590 (1 905.0 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	21.02	21.08	21.05	≤ 1	0
	1	50	20.99	21.07	21.05		
	1	99	20.85	20.93	20.94		
	50	0	20.16	20.27	20.08		1
	50	25	20.06	20.09	20.04		
	50	50	20.05	20.19	19.98		
	100	0	19.88	20.07	19.96		1
16QAM	1	0	19.94	19.97	20.01	≤ 1	1
	1	50	19.92	19.90	19.88		
	1	99	19.83	19.90	20.00		
	50	0	19.14	19.16	19.04	≤ 2	2
	50	25	19.10	19.04	18.87		
	50	50	18.94	19.12	18.98		
	100	0	19.88	19.08	18.85		2
64QAM	1	0	18.98	18.95	18.94	≤ 2	2
	1	50	18.89	18.93	18.90		
	1	99	18.90	18.86	18.87		
	50	0	18.15	18.19	18.03	≤ 3	3
	50	25	17.96	18.08	17.95		
	50	50	17.99	18.06	17.99		
	100	0	17.85	18.02	17.96		3
256QAM	1	0	15.92	16.11	16.13	≤ 5	5
	1	50	15.89	16.10	16.00		
	1	99	15.90	15.88	16.09		
	50	0	16.14	16.38	16.24	≤ 5	5
	50	25	16.08	16.20	16.13		
	50	50	16.05	16.22	16.07		
	100	0	16.06	16.02	15.98		

Table 8.3.10-1.2 LTE Conducted Power

LTE Band 25 (PCS) Conducted Power- 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			26115 (1 857.5 MHz)	26365 (1 882.5 MHz)	26615 (1 907.5 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	21.01	21.03	20.99	≤ 1	0
	1	36	20.84	20.93	20.98		1
	1	74	20.87	21.01	20.93		
	36	0	20.17	20.21	20.17		
	36	18	20.04	20.19	20.13		
	36	37	20.06	20.10	19.94		
	75	0	19.93	19.99	19.97		1
16QAM	1	0	19.89	19.97	20.07	≤ 1	1
	1	36	19.79	19.82	19.89		
	1	74	19.88	19.86	20.03		
	36	0	19.23	19.16	19.12	≤ 2	2
	36	18	19.21	19.06	18.94		
	36	37	19.05	19.07	18.91		
	75	0	19.93	18.97	18.89		2
64QAM	1	0	19.00	18.91	19.04	≤ 2	2
	1	36	18.85	18.91	18.85		
	1	74	18.88	18.85	18.91		
	36	0	18.03	18.15	18.10	≤ 3	3
	36	18	17.98	18.08	17.97		
	36	37	18.01	17.98	17.99		
	75	0	17.83	17.84	17.91		3
256QAM	1	0	15.96	16.15	16.12	≤ 5	5
	1	36	15.90	16.08	16.11		
	1	74	15.92	15.92	16.05		
	36	0	16.27	16.35	16.16	≤ 5	5
	36	18	15.99	16.27	16.10		
	36	37	16.03	16.27	16.11		
	75	0	16.08	15.95	16.07		5

Table 8.3.10-1.3 LTE Conducted Power

LTE Band 25 (PCS) Conducted Power– 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			26090 (1 855.0 MHz)	26365 (1 882.5 MHz)	26640 (1 910.0 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	20.98	21.00	21.05	≤ 1	0
	1	25	20.95	20.99	21.02		
	1	49	20.81	20.99	20.87		
	25	0	20.24	20.22	20.20		1
	25	12	20.17	20.19	20.04		
	25	25	20.22	20.20	19.95		
	50	0	19.97	19.99	19.82		1
16QAM	1	0	20.06	19.98	20.09	≤ 1	1
	1	25	20.02	19.87	19.91		
	1	49	19.93	19.87	20.02		
	25	0	19.20	19.21	19.13	≤ 2	2
	25	12	19.18	19.00	19.01		
	25	25	19.09	19.11	18.93		
	50	0	19.97	19.19	19.00	2	
64QAM	1	0	19.09	19.02	18.97	≤ 2	2
	1	25	18.87	18.90	18.88		
	1	49	18.89	18.96	18.89		
	25	0	18.20	18.17	18.08	≤ 3.	3
	25	12	18.19	18.10	18.05		
	25	25	18.17	18.03	18.02		
	50	0	18.05	17.98	17.88	3	
256QAM	1	0	16.09	16.13	16.09	≤ 5	5
	1	25	16.05	16.05	16.02		
	1	49	15.85	15.91	16.00		
	25	0	16.23	16.36	16.27	≤ 5	5
	25	12	16.13	16.22	16.11		
	25	25	16.16	16.16	16.08		
	50	0	16.12	15.96	16.01	≤ 5	5

Table 8.3.10-1.4 LTE Conducted Power

LTE Band 25 (PCS) Conducted Power – 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			26065 (1 852.5 MHz)	26365 (1 882.5 MHz)	26665 (1 912.5 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	20.99	21.03	21.08	≤ 1	0
	1	12	20.99	21.02	21.06		
	1	24	20.83	21.01	20.83		
	12	0	20.13	20.25	20.19		1
	12	6	20.11	20.01	20.10		
	12	13	20.10	20.17	20.01		
	25	0	19.90	20.01	20.01		1
16QAM	1	0	19.94	20.05	20.02	≤ 1	1
	1	12	19.80	20.01	19.95		
	1	24	19.80	19.90	19.89		
	12	0	19.25	19.17	19.17		
	12	6	19.16	19.06	19.01	≤ 2	2
	12	13	18.94	19.01	19.00		
	25	0	19.90	18.95	18.86		2
64QAM	1	0	19.06	19.01	19.06	≤ 2	2
	1	12	18.92	18.87	19.06		
	1	24	18.84	18.85	18.91		
	12	0	18.19	18.23	18.12		
	12	6	18.04	18.15	18.06	≤ 3	3
	12	13	18.17	18.05	17.89		
	25	0	17.88	18.05	18.01		3
256QAM	1	0	16.00	16.15	16.14	≤ 5	5
	1	12	15.91	16.15	16.11		
	1	24	15.81	15.82	15.99		
	12	0	16.27	16.25	16.30		
	12	6	16.24	16.16	16.26	≤ 5	5
	12	13	16.07	16.08	16.12		
	25	0	15.92	16.09	16.13		5

Table 8.3.10-1.5 LTE Conducted Power

LTE Band 25 (PCS) Conducted Power– 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			26055 (1 851.5 MHz)	26365 (1 882.5 MHz)	26675 (1 913.5 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	21.07	21.04	21.06	≤ 1	0
	1	7	20.84	21.02	21.03		
	1	14	20.85	20.96	20.97		
	8	0	20.18	20.25	20.19		1
	8	4	20.11	20.00	20.17		
	8	7	20.12	20.22	20.14		
	15	0	19.89	19.90	19.94	1	
16QAM	1	0	20.00	19.98	20.05	≤ 1	1
	1	7	19.84	19.85	19.88		
	1	14	19.92	19.90	20.04		
	8	0	19.36	19.15	19.17	≤ 2	2
	8	4	19.06	18.98	19.03		
	8	7	19.10	19.09	19.04		
	15	0	19.89	18.91	19.04		2
64QAM	1	0	19.12	18.91	19.02	≤ 2	2
	1	7	18.86	18.88	18.96		
	1	14	18.96	18.86	18.87		
	8	0	18.13	18.13	18.04	≤ 3	3
	8	4	17.95	17.99	18.02		
	8	7	18.01	18.04	17.96		
	15	0	18.03	17.92	18.08		3
256QAM	1	0	16.06	16.13	16.11	≤ 5	5
	1	7	16.03	16.11	16.02		
	1	14	15.91	15.90	15.99		
	8	0	16.33	16.35	16.31	≤ 5	5
	8	4	16.20	16.08	16.21		
	8	7	16.21	16.26	16.08		
	15	0	16.08	15.97	16.13		≤ 5

Table 8.3.10-1.6 LTE Conducted Power

LTE Band 25 (PCS) Conducted Power– 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			26047 (1 850.7 MHz)	26365 (1 882.5 MHz)	26683 (1 914.3 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	21.04	21.03	20.99	≤ 1	0
	1	2	21.00	20.98	20.95		
	1	5	20.95	20.94	20.98		
	3	0	20.95	20.97	20.95		0
	3	2	20.85	20.92	20.93		
	3	3	20.80	20.79	20.89		
	6	0	19.99	20.00	20.01		1
16QAM	1	0	19.91	19.99	20.13	≤ 1	1
	1	2	19.89	19.91	19.87		
	1	5	19.87	19.91	20.11		
	3	0	19.91	19.92	20.00		1
	3	2	19.81	19.79	19.86		
	3	3	19.80	19.77	19.98		
	6	0	19.99	18.98	19.02		≤ 2
64QAM	1	0	19.13	18.93	19.03	≤ 2	2
	1	2	18.97	18.90	18.83		
	1	5	18.99	18.77	18.95		
	3	0	18.94	18.92	18.97		2
	3	2	18.83	18.90	18.87		
	3	3	18.86	18.78	18.90		
	6	0	18.01	17.89	18.02		≤ 3
256QAM	1	0	16.09	16.12	16.18	≤ 5	5
	1	2	15.99	16.11	16.02		
	1	5	15.89	15.87	16.13		
	3	0	15.96	16.03	16.04	≤ 5	5
	3	2	15.86	15.88	15.87		
	3	3	15.79	15.91	15.99		
	6	0	16.00	16.02	16.04	≤ 5	5

Table 8.3.10-1.7 LTE Conducted Power

Band & Mode	Modulated Average(dBm)	
	Maximum	Nominal
LTE Band 2(PCS)	24.0	23.0

Table 8.3.11.1 Nominal and Maximum Output Power Spec

11) LTE Band 2 (PCS)

LTE Band 2 (PCS) Conducted Power– 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			18700 (1 860.0 MHz)	18900 (1 880.0 MHz)	19100 (1 900.0 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	22.73	22.79	22.71	≤ 1	0
	1	50	22.54	22.56	22.50		
	1	99	22.46	22.45	22.48		
	50	0	21.50	21.67	21.51		1
	50	25	21.48	21.58	21.44		
	50	50	21.32	21.47	21.30		
	100	0	21.43	21.67	21.43		
16QAM	1	0	21.69	21.71	21.62	≤ 1	1
	1	50	21.47	21.50	21.52		
	1	99	21.49	21.40	21.50		
	50	0	20.61	20.56	20.63	≤ 2	2
	50	25	20.45	20.47	20.50		
	50	50	20.46	20.33	20.44		
	100	0	21.43	20.65	20.41		
64QAM	1	0	20.66	20.69	20.52	≤ 2	2
	1	50	20.52	20.65	20.50		
	1	99	20.37	20.49	20.47		
	50	0	19.35	19.56	19.52	≤ 3	3
	50	25	19.32	19.42	19.45		
	50	50	19.34	19.32	19.45		
	100	0	19.37	19.48	19.53		
256QAM	1	0	17.65	17.73	17.65	≤ 5	5
	1	50	17.39	17.50	17.56		
	1	99	17.36	17.41	17.53		
	50	0	17.60	17.64	17.47	≤ 5	5
	50	25	17.50	17.40	17.46		
	50	50	17.48	17.42	17.35		
	100	0	17.36	17.72	17.62		

Table 8.3.11.2 LTE Conducted Power

LTE Band 2 (PCS) Conducted Power– 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			18675 (1 857.5 MHz)	18900 (1 880.0 MHz)	19125 (1 902.5 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	22.50	22.63	22.51	≤ 1	0
	1	36	22.48	22.61	22.49		1
	1	74	22.47	22.49	22.51		
	36	0	21.44	21.45	21.48		
	36	18	21.41	21.39	21.44		
	36	37	21.37	21.32	21.38		
	75	0	21.65	21.62	21.53		1
16QAM	1	0	21.49	21.59	21.53	≤ 1	1
	1	36	21.37	21.43	21.49		
	1	74	21.48	21.48	21.49		
	36	0	20.50	20.45	20.61	≤ 2	2
	36	18	20.30	20.37	20.44		
	36	37	20.45	20.36	20.52		
	75	0	21.65	20.58	20.44		
64QAM	1	0	20.61	20.61	20.49	≤ 2	2
	1	36	20.59	20.58	20.43		
	1	74	20.54	20.56	20.39		
	36	0	19.48	19.52	19.47	≤ 3	3
	36	18	19.29	19.42	19.42		
	36	37	19.36	19.37	19.40		
	75	0	19.53	19.43	19.47		
256QAM	1	0	17.51	17.62	17.53	≤ 5	5
	1	36	17.40	17.50	17.47		
	1	74	17.40	17.44	17.42		
	36	0	17.41	17.45	17.55	≤ 5	5
	36	18	17.35	17.36	17.48		
	36	37	17.33	17.37	17.41		
	75	0	17.49	17.62	17.56		

Table 8.3.11.3 LTE Conducted Power

LTE Band 2 (PCS) Conducted Power- 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			18650 (1 855.0 MHz)	18900 (1 880.0 MHz)	19150 (1 905.0 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	22.53	22.67	22.55	≤ 1	0
	1	25	22.43	22.59	22.49		
	1	49	22.49	22.47	22.50		
	25	0	21.50	21.50	21.59		1
	25	12	21.45	21.44	21.55		
	25	25	21.40	21.40	21.51		
	50	0	21.59	21.54	21.56		
16QAM	1	0	21.59	21.62	21.44	≤ 1	1
	1	25	21.43	21.60	21.41		
	1	49	21.45	21.55	21.41		
	25	0	20.44	20.55	20.51		
	25	12	20.36	20.51	20.49	≤ 2	2
	25	25	20.42	20.48	20.32		
	50	0	21.59	20.64	20.58		
64QAM	1	0	20.63	20.60	20.54	≤ 2	2
	1	25	20.51	20.57	20.43		
	1	49	20.52	20.48	20.42		
	25	0	19.58	19.53	19.51		
	25	12	19.47	19.50	19.47	≤ 3	3
	25	25	19.34	19.49	19.49		
	50	0	19.49	19.38	19.51		
256QAM	1	0	17.49	17.69	17.55	≤ 5	5
	1	25	17.44	17.47	17.51		
	1	49	17.36	17.45	17.46		
	25	0	17.51	17.44	17.41		
	25	12	17.42	17.29	17.37	≤ 5	5
	25	25	17.45	17.35	17.40		
	50	0	17.62	17.55	17.53		

Table 8.3.11.4 LTE Conducted Power

LTE Band 2 (PCS) Conducted Power- 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			18625 (1 852.5 MHz)	18900 (1 880.0 MHz)	19175 (1 907.5 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	22.56	22.60	22.52	≤ 1	0
	1	12	22.39	22.50	22.37		1
	1	24	22.42	22.45	22.48		
	12	0	21.54	21.57	21.55		
	12	6	21.48	21.38	21.35		
	12	13	21.46	21.56	21.51		
	25	0	21.60	21.51	21.62		1
16QAM	1	0	21.52	21.61	21.52	≤ 1	1
	1	12	21.42	21.57	21.51		
	1	24	21.41	21.50	21.38		
	12	0	20.48	20.48	20.46		
	12	6	20.44	20.36	20.44	≤ 2	2
	12	13	20.45	20.38	20.34		
	25	0	21.60	20.57	20.51		
64QAM	1	0	20.67	20.51	20.58	≤ 2	2
	1	12	20.38	20.47	20.56		
	1	24	20.38	20.47	20.51		
	12	0	19.50	19.44	19.49		
	12	6	19.43	19.30	19.45	≤ 3	3
	12	13	19.49	19.43	19.39		
	25	0	19.48	19.46	19.45		
256QAM	1	0	17.52	17.53	17.52	≤ 5	5
	1	12	17.45	17.43	17.46		
	1	24	17.49	17.47	17.41		
	12	0	17.52	17.52	17.61		
	12	6	17.39	17.36	17.52	≤ 5	5
	12	13	17.47	17.45	17.49		
	25	0	17.61	17.53	17.65		

Table 8.3.11.5 LTE Conducted Power

LTE Band 2 (PCS) Conducted Power– 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			18615 (1 851.5 MHz)	18900 (1 880.0 MHz)	19185 (1 908.5 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	22.59	22.57	22.54	≤ 1	0
	1	7	22.53	22.54	22.52		
	1	14	22.49	22.55	22.52		
	8	0	21.60	21.58	21.51		1
	8	4	21.47	21.41	21.48		
	8	7	21.54	21.53	21.49		
	15	0	21.48	21.57	21.57		
16QAM	1	0	21.62	21.61	21.49	≤ 1	1
	1	7	21.58	21.43	21.38		
	1	14	21.55	21.55	21.46		
	8	0	20.42	20.45	20.60	≤ 2	2
	8	4	20.35	20.34	20.50		
	8	7	20.37	20.42	20.43		
	15	0	21.48	20.44	20.61		
64QAM	1	0	20.59	20.55	20.58	≤ 2	2
	1	7	20.41	20.54	20.55		
	1	14	20.41	20.52	20.50		
	8	0	19.42	19.45	19.48	≤ 3	3
	8	4	19.38	19.45	19.42		
	8	7	19.40	19.37	19.34		
	15	0	19.38	19.50	19.50		
256QAM	1	0	17.44	17.61	17.47	≤ 5	5
	1	7	17.39	17.50	17.44		
	1	14	17.41	17.43	17.39		
	8	0	17.50	17.50	17.43	≤ 5	5
	8	4	17.30	17.35	17.40		
	8	7	17.40	17.40	17.36		
	15	0	17.50	17.59	17.57		

Table 8.3.11.6 LTE Conducted Power

LTE Band 2 (PCS) Conducted Power– 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			18607 (1 850.7 MHz)	18900 (1 880.0 MHz)	19193 (1 909.3 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	22.52	22.41	22.45	≤ 1	0
	1	2	21.56	21.44	21.29		0
	1	5	20.58	20.42	20.37		
	3	0	17.51	17.31	17.43		
	3	2	22.61	22.50	22.57		
	3	3	21.55	21.44	21.40		
	6	0	20.60	20.51	20.46		1
16QAM	1	0	17.57	17.52	17.42	≤ 1	1
	1	2	22.53	22.49	22.46		
	1	5	21.54	21.35	21.39		
	3	0	20.50	20.42	20.49		1
	3	2	17.58	17.35	17.50		
	3	3	22.52	22.41	22.45		
	6	0	21.56	21.44	21.29		
64QAM	1	0	20.58	20.42	20.37	≤ 2	2
	1	2	17.51	17.31	17.43	≤ 2	2
	1	5	22.61	22.50	22.57		
	3	0	21.55	21.44	21.40		
	3	2	20.60	20.51	20.46		2
	3	3	17.57	17.52	17.42		
	6	0	22.53	22.49	22.46		
256QAM	1	0	21.54	21.35	21.39		
	1	2	20.50	20.42	20.49		
	1	5	17.58	17.35	17.50		
	3	0	22.52	22.41	22.45	≤ 5	5
	3	2	21.56	21.44	21.29		
	3	3	20.58	20.42	20.37		
	6	0	17.51	17.31	17.43		

Table 8.3.11.7 LTE Conducted Power

CA Conf.	RF Expos. Cond.	UL																	
		PCC						SCC						MPR	Standalone			PCC+ SCC	
		Modulation	RB Size	RB Offset	BW	Freq.	Ch.	Modulation	RB Size	RB Offset	BW	Freq.	Ch.		LTE Rel.8	Aggregated BW	MPR	Tune-up Limit	CA Power (Total PCC+SCC)
CA 2C	Body	QPSK	1	99	20	1860.0	18700	QPSK	1	0	20	1879.8	18898	0	22.60	20	0	24.0	23.21
CA 2C	Body	16QAM	1	99	20	1860.0	18700	16QAM	1	0	20	1879.8	18898	0	21.69	20	0	23.0	22.17
CA 2C	Body	64QAM	1	99	20	1860.0	18700	64QAM	1	0	20	1879.8	18898	0	20.66	20	0	22.0	21.34
CA 2C	Body	256QAM	1	99	20	1860.0	18700	256QAM	1	0	20	1879.8	18898	0	17.65	20	0	19.0	18.23
CA 2C	Body	QPSK	1	99	20	1880.0	18900	QPSK	1	0	20	1899.8	19098	0	22.79	20	0	24.0	23.26
CA 2C	Body	16QAM	1	99	20	1880.0	18900	16QAM	1	0	20	1899.8	19098	0	21.71	20	0	23.0	22.25
CA 2C	Body	64QAM	1	99	20	1880.0	18900	64QAM	1	0	20	1899.8	19098	0	20.69	20	0	22.0	21.38
CA 2C	Body	256QAM	1	99	20	1880.0	18900	256QAM	1	0	20	1899.8	19098	0	17.73	20	0	19.0	18.27
CA 2C	Body	QPSK	1	99	20	1900.0	19100	QPSK	1	0	20	1880.2	18902	0	22.54	20	0	24.0	23.24
CA 2C	Body	16QAM	1	99	20	1900.0	19100	16QAM	1	0	20	1880.2	18902	0	21.62	20	0	23.0	22.21
CA 2C	Body	64QAM	1	99	20	1900.0	19100	64QAM	1	0	20	1880.2	18902	0	20.52	20	0	22.0	21.32
CA 2C	Body	256QAM	1	99	20	1900.0	19100	256QAM	1	0	20	1880.2	18902	0	17.65	20	0	19.0	18.25
CA 2C	Body	QPSK	1	99	20	1880.0	18900	QPSK	1	0	15	1897.1	19071	0	22.79	20	0	24.0	23.22
CA 2C	Body	16QAM	1	99	20	1880.0	18900	16QAM	1	0	15	1897.1	19071	0	21.71	20	0	23.0	22.18
CA 2C	Body	64QAM	1	99	20	1880.0	18900	64QAM	1	0	15	1897.1	19071	0	20.69	20	0	22.0	21.33
CA 2C	Body	256QAM	1	99	20	1880.0	18900	256QAM	1	0	15	1897.1	19071	0	17.73	20	0	19.0	18.08
CA 2C	Body	QPSK	1	99	20	1880.0	18900	QPSK	1	0	10	1894.4	19044	0	22.79	20	0	24.0	23.24
CA 2C	Body	16QAM	1	99	20	1880.0	18900	16QAM	1	0	10	1894.4	19044	0	21.71	20	0	23.0	22.13
CA 2C	Body	64QAM	1	99	20	1880.0	18900	64QAM	1	0	10	1894.4	19044	0	20.69	20	0	22.0	21.19
CA 2C	Body	256QAM	1	99	20	1880.0	18900	256QAM	1	0	10	1894.4	19044	0	17.73	20	0	19.0	18.21
CA 2C	Body	QPSK	1	99	20	1880.0	18900	QPSK	1	0	5	1891.7	19017	0	22.79	20	0	24.0	23.19
CA 2C	Body	16QAM	1	99	20	1880.0	18900	16QAM	1	0	5	1891.7	19017	0	21.71	20	0	23.0	22.15
CA 2C	Body	64QAM	1	99	20	1880.0	18900	64QAM	1	0	5	1891.7	19017	0	20.69	20	0	22.0	21.27
CA 2C	Body	256QAM	1	99	20	1880.0	18900	256QAM	1	0	5	1891.7	19017	0	17.73	20	0	19.0	18.22
CA 2C	Body	QPSK	1	74	15	1880.0	18900	QPSK	1	0	15	1895.0	19050	0	22.79	20	0	24.0	23.20
CA 2C	Body	16QAM	1	74	15	1880.0	18900	16QAM	1	0	15	1895.0	19050	0	21.71	20	0	23.0	22.05
CA 2C	Body	64QAM	1	74	15	1880.0	18900	64QAM	1	0	15	1895.0	19050	0	20.69	20	0	22.0	21.33
CA 2C	Body	256QAM	1	74	15	1880.0	18900	256QAM	1	0	15	1895.0	19050	0	17.73	20	0	19.0	18.23
CA 2C	Body	QPSK	1	74	15	1880.0	18900	QPSK	1	0	10	1892.0	19020	0	22.79	20	0	24.0	23.23
CA 2C	Body	16QAM	1	74	15	1880.0	18900	16QAM	1	0	10	1892.0	19020	0	21.71	20	0	23.0	22.06
CA 2C	Body	64QAM	1	74	15	1880.0	18900	64QAM	1	0	10	1892.0	19020	0	20.69	20	0	22.0	21.18
CA 2C	Body	256QAM	1	74	15	1880.0	18900	256QAM	1	0	10	1892.0	19020	0	17.73	20	0	19.0	18.18
CA 2C	Body	QPSK	1	74	15	1880.0	18900	QPSK	1	0	20	1897.1	19071	0	22.79	20	0	24.0	23.22
CA 2C	Body	16QAM	1	74	15	1880.0	18900	16QAM	1	0	20	1897.1	19071	0	21.71	20	0	23.0	22.11
CA 2C	Body	64QAM	1	74	15	1880.0	18900	64QAM	1	0	20	1897.1	19071	0	20.69	20	0	22.0	21.20
CA 2C	Body	256QAM	1	74	15	1880.0	18900	256QAM	1	0	20	1897.1	19071	0	17.73	20	0	19.0	18.20
CA 2C	Body	QPSK	1	49	10	1880.0	18900	QPSK	1	0	20	1894.4	19044	0	22.79	20	0	24.0	23.18
CA 2C	Body	16QAM	1	49	10	1880.0	18900	16QAM	1	0	20	1894.4	19044	0	21.71	20	0	23.0	22.24
CA 2C	Body	64QAM	1	49	10	1880.0	18900	64QAM	1	0	20	1894.4	19044	0	20.69	20	0	22.0	21.21
CA 2C	Body	256QAM	1	49	10	1880.0	18900	256QAM	1	0	20	1894.4	19044	0	17.73	20	0	19.0	18.14
CA 2C	Body	QPSK	1	24	5	1880.0	18900	QPSK	1	0	20	1891.7	19017	0	22.79	20	0	24.0	23.16
CA 2C	Body	16QAM	1	24	5	1880.0	18900	16QAM	1	0	20	1891.7	19017	0	21.71	20	0	23.0	22.24
CA 2C	Body	64QAM	1	24	5	1880.0	18900	64QAM	1	0	20	1891.7	19017	0	20.69	20	0	22.0	21.32
CA 2C	Body	256QAM	1	24	5	1880.0	18900	256QAM	1	0	20	1891.7	19017	0	17.73	20	0	19.0	18.09
CA 2C	Body	QPSK	1	49	10	1880.0	18900	QPSK	1	0	15	1892.0	19020	0	22.79	20	0	24.0	23.20
CA 2C	Body	16QAM	1	49	10	1880.0	18900	16QAM	1	0	15	1892.0	19020	0	21.71	20	0	23.0	22.14
CA 2C	Body	64QAM	1	49	10	1880.0	18900	64QAM	1	0	15	1892.0	19020	0	20.69	20	0	22.0	21.23
CA 2C	Body	256QAM	1	49	10	1880.0	18900	256QAM	1	0	15	1892.0	19020	0	17.73	20	0	19.0	18.26

Table 8.3.11.8 LTE Conducted Power

Band & Mode		Modulated Average[dBm]
LTE Band 2(PCS) (ENDC)	Maximum	22.0
	Nominal	21.0

Table 8.3.11-1.1 Nominal and Maximum Output Power Spec

11-1) LTE Band 2 (PCS) (ENDC)

LTE Band 2 (PCS) Conducted Power- 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			18700 (1 860.0 MHz)	18900 (1 880.0 MHz)	19100 (1 900.0 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	21.43	21.57	21.35	≤ 1	0
	1	50	21.37	21.56	21.31		1
	1	99	21.40	21.43	21.32		
	50	0	20.35	20.50	20.35		
	50	25	20.31	20.33	20.32		
	50	50	20.20	20.34	20.26		
	100	0	20.36	20.53	20.25		1
16QAM	1	0	20.55	20.47	20.47	≤ 1	1
	1	50	20.30	20.46	20.32		
	1	99	20.37	20.29	20.25		
	50	0	19.41	19.41	19.44	≤ 2	2
	50	25	19.30	19.31	19.38		
	50	50	19.35	19.22	19.28		
	100	0	20.36	19.50	19.32		
64QAM	1	0	19.47	19.49	19.33	≤ 2	2
	1	50	19.41	19.43	19.28		
	1	99	19.24	19.42	19.31		
	50	0	18.30	18.38	18.26	≤ 3	3
	50	25	18.23	18.35	18.15		
	50	50	18.22	18.33	18.22		
	100	0	18.29	18.35	18.36		
256QAM	1	0	16.34	16.45	16.47	≤ 5	5
	1	50	16.28	16.41	16.45		
	1	99	16.34	16.32	16.31		
	50	0	16.42	16.37	16.31	≤ 5	5
	50	25	16.38	16.22	16.25		
	50	50	16.35	16.24	16.30		
	100	0	16.23	16.51	16.43		

Table 8.3.11-1.2 LTE Conducted Power

LTE Band 2 (PCS) Conducted Power- 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			18675 (1 857.5 MHz)	18900 (1 880.0 MHz)	19125 (1 902.5 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	21.35	21.39	21.37	≤ 1	0
	1	36	21.23	21.34	21.32		1
	1	74	21.30	21.34	21.26		1
	36	0	20.27	20.30	20.40		
	36	18	20.24	20.23	20.39		
	36	37	20.23	20.23	20.25		
	75	0	20.52	20.48	20.47		
16QAM	1	0	20.37	20.41	20.38	≤ 1	1
	1	36	20.29	20.36	20.30		
	1	74	20.30	20.32	20.26		
	36	0	19.33	19.28	19.43	≤ 2	2
	36	18	19.23	19.17	19.20		
	36	37	19.31	19.24	19.21		
	75	0	20.52	19.48	19.30		2
64QAM	1	0	19.40	19.50	19.37	≤ 2	2
	1	36	19.36	19.44	19.32		
	1	74	19.35	19.33	19.33		
	36	0	18.23	18.24	18.31	≤ 3	3
	36	18	18.16	18.20	18.21		
	36	37	18.19	18.22	18.24		
	75	0	18.34	18.32	18.30		3
256QAM	1	0	16.39	16.45	16.42	≤ 5	5
	1	36	16.22	16.44	16.26		
	1	74	16.33	16.27	16.32		
	36	0	16.21	16.37	16.30	≤ 5	5
	36	18	16.17	16.30	16.29		
	36	37	16.19	16.21	16.28		
	75	0	16.33	16.50	16.45		5

Table 8.3.11-1.3 LTE Conducted Power

LTE Band 2 (PCS) Conducted Power- 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			18650 (1 855.0 MHz)	18900 (1 880.0 MHz)	19150 (1 905.0 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	21.40	21.44	21.29	≤ 1	0
	1	25	21.37	21.42	21.26		
	1	49	21.30	21.29	21.24		
	25	0	20.34	20.39	20.42		1
	25	12	20.22	20.32	20.33		
	25	25	20.24	20.30	20.32		
	50	0	20.29	20.31	20.43	1	
16QAM	1	0	20.39	20.38	20.37	≤ 1	1
	1	25	20.31	20.31	20.34		
	1	49	20.28	20.35	20.35		
	25	0	19.41	19.38	19.42	≤ 2	2
	25	12	19.37	19.37	19.29		
	25	25	19.27	19.33	19.23		
	50	0	20.29	19.41	19.44		
64QAM	1	0	19.47	19.42	19.36	≤ 2	2
	1	25	19.41	19.33	19.32		
	1	49	19.30	19.25	19.34		
	25	0	18.27	18.40	18.32	≤ 3	3
	25	12	18.21	18.31	18.21		
	25	25	18.25	18.32	18.30		
	50	0	18.20	18.31	18.32		
256QAM	1	0	16.38	16.47	16.40	≤ 5	5
	1	25	16.33	16.29	16.35		
	1	49	16.24	16.37	16.37		
	25	0	16.36	16.29	16.26	≤ 5	5
	25	12	16.30	16.22	16.19		
	25	25	16.32	16.21	16.21		
	50	0	16.40	16.36	16.42		

Table 8.3.11-1.4 LTE Conducted Power

LTE Band 2 (PCS) Conducted Power- 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			18625 (1 852.5 MHz)	18900 (1 880.0 MHz)	19175 (1 907.5 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	21.50	21.47	21.31	≤ 1	0
	1	12	21.23	21.39	21.28		
	1	24	21.32	21.35	21.30		
	12	0	20.29	20.41	20.39		1
	12	6	20.27	20.33	20.29		
	12	13	20.22	20.32	20.32		
	25	0	20.39	20.39	20.45		
16QAM	1	0	20.44	20.46	20.42	≤ 1	1
	1	12	20.31	20.39	20.33		
	1	24	20.34	20.31	20.37		
	12	0	19.41	19.45	19.34		
	12	6	19.28	19.24	19.30	≤ 2	2
	12	13	19.29	19.31	19.28		
	25	0	20.39	19.38	19.35		
64QAM	1	0	19.39	19.42	19.37	≤ 2	2
	1	12	19.23	19.35	19.29		
	1	24	19.37	19.39	19.27		
	12	0	18.31	18.32	18.37		
	12	6	18.26	18.23	18.25	≤ 3	3
	12	13	18.25	18.21	18.20		
	25	0	18.33	18.28	18.34		
256QAM	1	0	16.45	16.48	16.37	≤ 5	5
	1	12	16.26	16.30	16.37		
	1	24	16.37	16.33	16.32		
	12	0	16.36	16.36	16.33		
	12	6	16.25	16.33	16.25	≤ 5	5
	12	13	16.31	16.32	16.25		
	25	0	16.39	16.48	16.41		

Table 8.3.11-1.5 LTE Conducted Power

LTE Band 2 (PCS) Conducted Power– 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			18615 (1 851.5 MHz)	18900 (1 880.0 MHz)	19185 (1 908.5 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	21.43	21.48	21.42	≤ 1	0
	1	7	21.34	21.32	21.36		
	1	14	21.24	21.38	21.39		
	8	0	20.41	20.47	20.42		1
	8	4	20.31	20.35	20.26		
	8	7	20.26	20.35	20.29		
	15	0	20.41	20.45	20.50	1	
16QAM	1	0	20.39	20.38	20.38	≤ 1	1
	1	7	20.37	20.37	20.37		
	1	14	20.29	20.36	20.28		
	8	0	19.28	19.36	19.36	≤ 2	2
	8	4	19.25	19.28	19.25		
	8	7	19.28	19.24	19.35		
	15	0	20.41	19.28	19.43		2
64QAM	1	0	19.41	19.47	19.36	≤ 2	2
	1	7	19.40	19.46	19.32		
	1	14	19.29	19.26	19.31		
	8	0	18.32	18.31	18.39	≤ 3	3
	8	4	18.17	18.21	18.32		
	8	7	18.28	18.26	18.29		
	15	0	18.30	18.33	18.38		3
256QAM	1	0	16.37	16.49	16.32	≤ 5	5
	1	7	16.34	16.46	16.24		
	1	14	16.35	16.34	16.25		
	8	0	16.45	16.34	16.40	≤ 5	5
	8	4	16.20	16.28	16.31		
	8	7	16.22	16.32	16.22		
	15	0	16.38	16.35	16.41		

Table 8.3.11-1.6 LTE Conducted Power

LTE Band 2 (PCS) Conducted Power– 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			18607 (1 850.7 MHz)	18900 (1 880.0 MHz)	19193 (1 909.3 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	21.40	21.45	21.34	≤ 1	0
	1	2	21.32	21.42	21.24		0
	1	5	21.31	21.36	21.27		
	3	0	21.32	21.34	21.32		
	3	2	21.22	21.26	21.22		
	3	3	21.31	21.30	21.15		
	6	0	20.25	20.47	20.25	1	
16QAM	1	0	20.35	20.40	20.35	≤ 1	1
	1	2	20.24	20.35	20.26		
	1	5	20.28	20.17	20.26		
	3	0	20.22	20.27	20.26		1
	3	2	20.11	20.20	20.13		
	3	3	20.14	20.25	20.24		
	6	0	20.25	19.36	19.27	2	
64QAM	1	0	19.37	19.51	19.30	≤ 2	2
	1	2	19.37	19.37	19.25		
	1	5	19.23	19.32	19.25		
	3	0	19.39	19.42	19.26		2
	3	2	19.27	19.25	19.17		
	3	3	19.21	19.17	19.11		
	6	0	18.30	18.28	18.36	3	
256QAM	1	0	16.32	16.48	16.30	≤ 5	5
	1	2	16.30	16.43	16.25		
	1	5	16.27	16.28	16.29		
	3	0	16.31	16.40	16.28	≤ 5	5
	3	2	16.14	16.28	16.24		
	3	3	16.21	16.24	16.09		
	6	0	16.25	16.37	16.34		

Table 8.3.11-1.7 LTE Conducted Power

LTE Band 7	Band & Mode	Modulated Average[dBm]
	Maximum Nominal	24.0 23.0

Table 8.3.12.1 Nominal and Maximum Output Power Spec

12) LTE Band 7

LTE Band 7 Conducted Power– 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			20850 (2 510.0 MHz)	21100 (2 535.0 MHz)	21350 (2 560.0 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	22.30	22.38	22.34	≤ 1	0
	1	50	22.22	22.16	22.11		
	1	99	22.21	22.20	22.19		
	50	0	21.31	21.35	21.29		1
	50	25	21.22	21.28	21.14		
	50	50	21.15	21.23	21.28		
	100	0	21.14	21.29	21.15		1
16QAM	1	0	21.23	21.29	21.18	≤ 1	1
	1	50	21.04	21.02	21.07		
	1	99	21.02	21.18	21.05		
	50	0	20.28	20.37	20.22	≤ 2	2
	50	25	20.07	20.27	20.17		
	50	50	20.03	20.20	20.10		
	100	0	21.14	20.19	20.05		
64QAM	1	0	20.21	20.37	20.20	≤ 2	2
	1	50	20.13	20.02	20.09		
	1	99	20.10	20.20	20.09		
	50	0	19.24	19.20	19.23	≤ 3	3
	50	25	19.06	19.11	19.13		
	50	50	19.03	19.15	19.14		
	100	0	19.04	19.17	19.11		
256QAM	1	0	17.31	17.25	17.20	≤ 5	5
	1	50	17.12	17.16	17.04		
	1	99	17.10	17.20	17.10		
	50	0	17.43	17.34	17.29	≤ 5	5
	50	25	17.14	17.33	17.16		
	50	50	17.15	17.33	17.19		
	100	0	17.13	17.17	17.09		

Table 8.3.12.2 LTE Conducted Power

LTE Band 7 Conducted Power– 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			20825 (2 507.5 MHz)	21100 (2 535.0 MHz)	21375 (2 562.5 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	22.27	22.23	22.10	≤ 1	0
	1	36	22.20	22.05	22.03		
	1	74	22.06	22.20	22.02		
	36	0	21.30	21.28	21.19		1
	36	18	21.24	21.27	21.13		
	36	37	21.05	21.18	21.11		
	75	0	21.20	21.14	21.18		1
16QAM	1	0	21.14	21.09	21.07	≤ 1	1
	1	36	21.12	21.08	21.02		
	1	74	21.04	21.04	21.04		
	36	0	20.23	20.14	20.23	≤ 2	2
	36	18	20.08	20.08	20.18		
	36	37	20.16	20.09	20.10		
	75	0	21.20	20.08	20.09		
64QAM	1	0	20.25	20.23	20.12	≤ 2	2
	1	36	20.11	20.10	20.08		
	1	74	20.02	20.04	20.04		
	36	0	19.16	19.11	19.11	≤ 3	3
	36	18	19.15	19.10	19.03		
	36	37	19.12	19.08	19.03		
	75	0	19.03	19.11	19.06		
256QAM	1	0	17.19	17.13	17.14	≤ 5	5
	1	36	17.06	17.02	17.11		
	1	74	17.10	17.11	17.12		
	36	0	17.21	17.21	17.11	≤ 5	5
	36	18	17.20	17.19	17.03		
	36	37	17.05	17.13	17.09		
	75	0	17.08	17.06	17.07		

Table 8.3.12.3 LTE Conducted Power

LTE Band 7 Conducted Power– 10 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)	
			20800 (2 505.0 MHz)	21100 (2 535.0 MHz)	21400 (2 565.0 MHz)			
			Conducted Power (dBm)					
QPSK	1	0	22.19	22.26	22.24	≤ 1	0	
	1	25	22.13	22.14	22.17			
	1	49	22.07	22.17	22.14			
	25	0	21.28	21.26	21.30		1	
	25	12	21.24	21.15	21.21			
	25	25	21.24	21.23	21.20			
16QAM	50	0	21.09	21.12	21.18	≤ 1	1	
	1	0	21.17	21.08	21.11		1	
	1	25	21.03	21.02	21.10			
	1	49	21.08	21.04	21.06			≤ 2
	25	0	20.24	20.12	20.32			
	25	12	20.05	20.09	20.12			
64QAM	25	25	20.12	20.07	20.09	≤ 2	2	
	50	0	21.09	20.07	20.16		2	
	1	0	20.22	20.13	20.12			
	1	25	20.07	20.08	20.11			≤ 2
	1	49	20.11	20.06	20.04			
	25	0	19.19	19.14	19.17		≤ 3	
25	12	19.12	19.11	19.05				
25	25	19.12	19.11	19.10	3			
50	0	19.13	19.09	19.14		256QAM	≤ 5	5
1	0	17.32	17.07	17.11				
1	25	17.08	17.02	17.07				
1	49	17.17	17.06	17.03	≤ 5		5	
25	0	17.18	17.31	17.26				
25	12	17.14	17.21	17.02				
25	25	17.11	17.14	17.08	≤ 5	5		
50	0	17.02	17.05	17.02				

Table 8.3.12.4 LTE Conducted Power

LTE Band 7 Conducted Power– 5 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)	
			20775 (2 502.5 MHz)	21100 (2 535.0 MHz)	21425 (2 567.5 MHz)			
			Conducted Power (dBm)					
QPSK	1	0	22.24	22.18	22.19	≤ 1	0	
	1	12	22.08	22.17	22.18		0	
	1	24	22.22	22.12	22.13			
	12	0	21.24	21.26	21.32			
	12	6	21.23	21.15	21.25			
	12	13	21.22	21.09	21.30			
16QAM	25	0	21.08	21.13	21.13	1		
	1	0	21.11	21.16	21.19		≤ 1	
	1	12	21.09	21.03	21.07			
	1	24	21.03	21.16	21.09			
	12	0	20.16	20.18	20.33			
	12	6	20.14	20.06	20.27			
64QAM	12	13	20.09	20.02	20.12	≤ 2		2
	25	0	21.08	20.10	20.02			
	1	0	20.15	20.24	20.24		≤ 2	
	1	12	20.06	20.07	20.06			
	1	24	20.13	20.14	20.03			
	12	0	19.20	19.39	19.19			
256QAM	12	6	19.17	19.08	19.17	≤ 3		3
	12	13	19.07	19.24	19.15			
	25	0	19.06	19.29	19.10			
	1	0	17.07	17.15	17.13		≤ 5	
	1	12	17.04	17.12	17.03			
	1	24	17.03	17.11	17.02			
12	0	17.24	17.29	17.31	≤ 5			
12	6	17.11	17.03	17.13				
12	13	17.21	17.13	17.25				
25	0	17.21	17.09	17.02		≤ 5	5	

Table 8.3.12.5 LTE Conducted Power

CA Conf.	RF Expos. Cond.	UL																			
		PCC							SCC							MPR	Standalone			PCC+ SCC	
		Modulation	RB Size	RB Offset	BW	Freq.	Ch.	Modulation	RB Size	RB Offset	BW	Freq.	Ch.	LTE Rel.8	Aggregated BW		MPR	Tune-up Limit	CA Power (Total PCC+SCC)		
CA_7C	Body	QPSK	1	99	20	2535.0	21100	QPSK	1	0	20	2554.8	21298	0	22.38	20	0	24.0	22.20		

Table 8.3.12.6 LTE Conducted Power

Band & Mode		Modulated Average[dBm]
LTE Band 7 (ENDC)	Maximum	22.0
	Nominal	21.0

Table 8.3.12-1.1 Nominal and Maximum Output Power Spec

12-1) LTE Band 7 (ENDC)

LTE Band 7 Conducted Power– 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			20850 (2 510.0 MHz)	21100 (2 535.0 MHz)	21350 (2 560.0 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	20.94	21.10	21.09	≤ 1	0
	1	50	20.83	20.99	20.96		
	1	99	20.82	20.91	20.85		
	50	0	20.12	20.14	20.02		1
	50	25	20.06	20.05	19.98		
	50	50	19.94	20.03	19.99		
	100	0	20.07	20.09	20.04		1
16QAM	1	0	19.90	19.99	19.91	≤ 1	1
	1	50	19.74	19.92	19.85		
	1	99	19.84	19.88	19.69		
	50	0	18.95	19.06	18.99	≤ 2	2
	50	25	18.87	18.98	18.95		
	50	50	18.95	19.01	18.98		
	100	0	20.07	18.98	18.88		2
64QAM	1	0	18.88	18.96	18.95	≤ 2	2
	1	50	18.83	18.90	18.86		
	1	99	18.86	18.94	18.84		
	50	0	18.03	17.96	17.89	≤ 3	3
	50	25	17.89	17.91	17.79		
	50	50	17.81	17.93	17.87		
	100	0	17.93	17.91	17.85		3
256QAM	1	0	15.98	15.98	15.99	≤ 5	5
	1	50	15.81	15.97	15.81		
	1	99	15.86	15.94	15.83		
	50	0	16.09	16.12	16.04	≤ 5	5
	50	25	15.90	16.07	15.94		
	50	50	16.01	16.04	15.99		
	100	0	15.92	15.95	15.86		5

Table 8.3.12-1.2 LTE Conducted Power

LTE Band 7 Conducted Power- 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			20825 (2 507.5 MHz)	21100 (2 535.0 MHz)	21375 (2 562.5 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	20.94	20.90	20.85	≤ 1	0
	1	36	20.88	20.85	20.83		
	1	74	20.88	20.89	20.81		
	36	0	19.92	20.09	20.00		1
	36	18	19.88	19.99	19.91		
	36	37	19.88	19.94	19.87		
	75	0	19.98	19.89	19.89		1
16QAM	1	0	19.94	19.86	19.93	≤ 1	1
	1	36	19.81	19.75	19.81		
	1	74	19.88	19.81	19.92		
	36	0	18.98	19.00	19.01	≤ 2	2
	36	18	18.88	18.89	18.98		
	36	37	18.78	18.85	18.81		
	75	0	19.98	18.95	18.84		2
64QAM	1	0	18.97	18.89	18.94	≤ 2	2
	1	36	18.86	18.86	18.91		
	1	74	18.87	18.89	18.93		
	36	0	18.05	17.95	17.84	≤ 3	3
	36	18	17.84	17.93	17.77		
	36	37	17.86	17.83	17.82		
	75	0	17.84	17.79	17.83		3
256QAM	1	0	15.87	15.93	15.96	≤ 5	5
	1	36	15.77	15.81	15.85		
	1	74	15.82	15.78	15.93		
	36	0	15.99	15.99	16.04	≤ 5	5
	36	18	15.83	15.88	15.89		
	36	37	15.95	15.95	15.89		
	75	0	15.93	15.87	15.86		5

Table 8.3.12-1.3 LTE Conducted Power

LTE Band 7 Conducted Power– 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			20800 (2 505.0 MHz)	21100 (2 535.0 MHz)	21400 (2 565.0 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	20.93	21.07	21.02	≤ 1	0
	1	25	20.89	21.04	20.90		
	1	49	20.87	20.92	20.84		
	25	0	20.06	20.00	20.10		
	25	12	19.98	19.92	20.00		
	25	25	19.99	19.91	19.90		
	50	0	20.00	19.94	19.93	1	
16QAM	1	0	19.92	19.94	19.91	≤ 1	1
	1	25	19.74	19.85	19.89		
	1	49	19.70	19.79	19.85		
	25	0	19.05	18.87	19.03	≤ 2	2
	25	12	18.88	18.80	18.98		
	25	25	18.91	18.78	18.79		
	50	0	20.00	18.82	18.97		
64QAM	1	0	18.98	18.98	18.89	≤ 2	2
	1	25	18.76	18.89	18.77		
	1	49	18.85	18.91	18.78		
	25	0	17.99	17.94	17.92	≤ 3	3
	25	12	17.88	17.90	17.90		
	25	25	17.87	17.80	17.76		
	50	0	17.85	17.77	17.86		
256QAM	1	0	15.91	15.95	15.84	≤ 5	5
	1	25	15.80	15.85	15.77		
	1	49	15.74	15.82	15.76		
	25	0	16.02	16.02	16.13	≤ 5	5
	25	12	15.85	15.97	15.90		
	25	25	15.91	15.95	16.00		
	50	0	15.90	15.86	15.86		

Table 8.3.12-1.4 LTE Conducted Power

LTE Band 7 Conducted Power– 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel	Mid Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			20775 (2 502.5 MHz)	21100 (2 535.0 MHz)	21425 (2 567.5 MHz)		
			Conducted Power (dBm)				
QPSK	1	0	21.02	20.92	21.01	≤ 1	0
	1	12	20.98	20.89	20.87		
	1	24	20.87	20.85	20.87		
	12	0	20.04	19.95	20.06		0
	12	6	20.00	19.94	19.96		
	12	13	19.98	19.94	20.06		
	25	0	19.89	19.99	19.94		1
16QAM	1	0	19.87	19.86	19.95	≤ 1	1
	1	12	19.84	19.74	19.89		
	1	24	19.74	19.83	19.78		
	12	0	19.01	19.07	18.98		1
	12	6	18.96	19.02	18.94		
	12	13	18.86	19.00	18.96		
	25	0	19.89	18.97	18.77		≤ 2
64QAM	1	0	18.89	18.99	19.05	≤ 2	2
	1	12	18.79	18.83	18.82		
	1	24	18.78	18.85	18.79		
	12	0	17.90	17.96	17.92		2
	12	6	17.87	17.83	17.82		
	12	13	17.85	17.87	17.91		
	25	0	17.83	17.87	17.88		≤ 3
256QAM	1	0	15.89	15.96	15.90	≤ 5	5
	1	12	15.84	15.71	15.70		
	1	24	15.80	15.79	15.81		
	12	0	16.06	16.03	16.00	≤ 5	5
	12	6	16.03	15.92	15.99		
	12	13	15.95	15.94	15.90		
	25	0	15.79	15.92	15.86	≤ 5	5

Table 8.3.12-1.5 LTE Conducted Power

Band & Mode		Modulated Average[dBm]
LTE Band 41	Maximum	25.7
	Nominal	23.7

Table 8.3.13.1 Nominal and Maximum Output Power Spec

13) LTE Band 41

LTE Band 41 Conducted Power- 20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			39750 (2506.0 MHz)	40185 (2 549.5 MHz)	40620 (2 593.0 MHz)	41055 (2 636.5 MHz)	41490 (2 680.0 MHz)		
			Conducted Power (dBm)						
QPSK	1	0	23.74	23.76	23.80	23.76	23.77	≤ 1	0
	1	50	23.71	23.75	23.78	23.72	23.71		1
	1	99	23.71	23.74	23.74	23.73	23.72		
	50	0	22.88	23.05	23.12	22.96	22.93		
	50	25	22.86	22.74	23.11	22.75	22.73		
	50	50	22.81	22.72	23.03	22.93	22.78		
	100	0	22.72	22.85	22.99	22.93	22.96		1
16QAM	1	0	22.88	22.79	22.82	22.86	22.88	≤ 1	1
	1	50	22.85	22.73	22.74	22.75	22.74		
	1	99	22.79	22.71	22.76	22.76	22.81		
	50	0	21.90	22.05	22.11	21.98	21.89	≤ 2	2
	50	25	21.73	21.71	22.10	21.91	21.88		
	50	50	21.83	21.83	22.09	21.76	21.81		
	100	0	22.72	21.74	21.92	22.06	21.94		2
64QAM	1	0	21.79	21.74	21.90	21.83	21.81	≤ 2	2
	1	50	21.77	21.74	21.85	21.78	21.76		
	1	99	21.77	21.72	21.73	21.75	21.80		
	50	0	21.00	20.94	21.19	20.96	20.93	≤ 3	3
	50	25	20.71	20.84	21.01	20.85	20.82		
	50	50	20.95	20.91	21.00	20.79	20.86		
	100	0	20.73	20.79	21.01	20.78	20.90		3
256QAM	1	0	18.90	18.80	18.99	18.86	18.83	≤ 5	5
	1	50	18.76	18.73	18.84	18.83	18.81		
	1	99	18.90	18.75	18.76	18.71	18.80		
	50	0	18.88	18.93	19.19	19.05	18.90	≤ 5	5
	50	25	18.74	18.79	19.15	18.84	18.89		
	50	50	18.80	18.72	19.04	18.76	18.84		
	100	0	18.85	18.75	18.89	18.84	18.85		

Table 8.3.13.2 LTE Conducted Power

LTE Band 41 Conducted Power- 15 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			39725 (2 503.5 MHz)	40173 (2 548.3 MHz)	40620 (2 593.0 MHz)	41068 (2 637.8 MHz)	41515 (2 682.5 MHz)		
			Conducted Power (dBm)						
QPSK	1	0	23.74	23.76	23.74	23.77	23.78	≤ 1	0
	1	36	23.72	23.74	23.72	23.74	23.74		
	1	74	23.73	23.73	23.73	23.72	23.72		
	36	0	22.83	22.97	22.90	22.89	22.86		1
	36	18	22.78	22.91	22.89	22.78	22.82		
	36	37	22.81	22.94	22.81	22.83	22.71		
75	0	22.84	22.72	22.83	22.87	22.85	1		
16QAM	1	0	22.81	22.82	22.82	22.78	22.75	≤ 1	1
	1	36	22.78	22.72	22.78	22.72	22.74		
	1	74	22.74	22.76	22.72	22.74	22.73		
	36	0	21.92	22.10	21.80	21.89	21.94	≤ 2	2
	36	18	21.84	22.08	21.78	21.87	21.86		
	36	37	21.80	21.93	21.72	21.73	21.73		
75	0	22.84	21.87	21.82	21.84	21.82	2		
64QAM	1	0	21.81	21.95	21.76	21.81	21.91	≤ 2	2
	1	36	21.75	21.73	21.70	21.74	21.77		
	1	74	21.73	21.80	21.71	21.74	21.90		
	36	0	20.95	20.97	20.95	20.78	20.93	≤ 3	3
	36	18	20.81	20.73	20.72	20.77	20.71		
	36	37	20.73	20.88	20.94	20.75	20.86		
75	0	20.88	20.84	20.76	20.96	20.73	3		
256QAM	1	0	18.88	18.77	18.82	18.76	18.83	≤ 5	5
	1	36	18.80	18.76	18.77	18.73	18.73		
	1	74	18.79	18.73	18.78	18.72	18.80		
	36	0	18.99	18.94	18.96	18.86	18.83	≤ 5	5
	36	18	18.74	18.90	18.79	18.85	18.80		
	36	37	18.83	18.92	18.76	18.74	18.81		
	75	0	18.95	18.76	18.96	18.92	18.76	≤ 5	5

Table 8.3.13.3 LTE Conducted Power

LTE Band 41 Conducted Power– 10 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			39700 (2 501.0 MHz)	40160 (2 547.0 MHz)	40620 (2 593.0 MHz)	41080 (2 639.0 MHz)	41540 (2 685.0 MHz)		
			Conducted Power (dBm)						
QPSK	1	0	23.76	23.78	23.74	23.75	23.76	≤ 1	0
	1	25	23.72	23.74	23.72	23.72	23.74		
	1	49	23.74	23.76	23.71	23.74	23.75		
	25	0	22.98	22.99	22.81	22.94	23.05		1
	25	12	22.82	22.93	22.80	22.87	23.00		
	25	25	22.92	22.83	22.80	22.93	23.01		
	50	0	22.81	22.71	22.83	22.91	22.86		1
16QAM	1	0	22.75	22.82	22.80	22.90	22.80	≤ 1	1
	1	25	22.74	22.80	22.73	22.86	22.78		
	1	49	22.73	22.75	22.79	22.72	22.73		
	25	0	21.91	22.15	21.92	22.06	22.15	≤ 2	2
	25	12	21.77	22.08	21.91	21.74	22.00		
	25	25	21.86	21.94	21.71	22.02	22.13		
	50	0	22.81	21.88	21.94	22.05	21.99		2
64QAM	1	0	21.86	21.83	21.84	21.80	21.86	≤ 2	2
	1	25	21.73	21.81	21.75	21.75	21.74		
	1	49	21.77	21.75	21.74	21.76	21.84		
	25	0	21.04	21.09	21.00	20.91	21.13	≤ 3	3
	25	12	20.85	20.78	20.95	20.84	20.88		
	25	25	21.01	20.85	20.71	20.80	20.88		
	50	0	20.94	20.84	20.96	21.00	20.79		3
256QAM	1	0	18.76	18.85	18.91	18.79	18.84	≤ 5	5
	1	25	18.74	18.84	18.85	18.72	18.81		
	1	49	18.72	18.84	18.82	18.70	18.73		
	25	0	19.05	18.94	18.86	18.91	19.15	≤ 5	5
	25	12	18.97	18.75	18.79	18.72	18.89		
	25	25	19.02	18.74	18.82	18.86	18.91		
	50	0	18.91	18.83	19.02	18.96	18.90		≤ 5

Table 8.3.13.4 LTE Conducted Power

LTE Band 41 Conducted Power– 5 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed Per 3GPP(dB)	MPR (dB)
			39675 (2 498.5 MHz)	40148 (2 545.8 MHz)	40620 (2 593.0 MHz)	41093 (2 640.3 MHz)	41565 (2 687.5 MHz)		
			Conducted Power (dBm)						
QPSK	1	0	23.76	23.76	23.79	23.75	23.77	≤ 1	0
	1	12	23.72	23.74	23.74	23.73	23.73		
	1	24	23.75	23.73	23.75	23.74	23.76		
	12	0	22.99	23.02	22.91	22.96	22.98		1
	12	6	22.91	22.87	22.89	22.74	22.81		
	12	13	22.96	22.91	22.73	22.95	22.91		
	25	0	22.77	22.89	22.89	22.92	22.89		1
16QAM	1	0	22.89	22.86	22.99	22.90	22.78	≤ 1	1
	1	12	22.79	22.75	22.73	22.86	22.74		
	1	24	22.83	22.80	22.76	22.71	22.76		
	12	0	22.05	22.05	21.99	22.05	22.11	≤ 2	2
	12	6	21.76	22.01	21.81	21.72	21.88		
	12	13	21.84	21.94	21.85	22.01	22.04		
	25	0	22.77	21.84	22.01	21.76	22.06		2
64QAM	1	0	21.94	21.88	21.94	21.88	21.95	≤ 2	2
	1	12	21.76	21.87	21.76	21.76	21.73		
	1	24	21.85	21.79	21.84	21.86	21.71		
	12	0	20.99	20.98	20.92	21.04	20.99	≤ 3	3
	12	6	20.80	20.80	20.91	20.76	20.74		
	12	13	20.98	20.94	20.84	20.79	20.90		
	25	0	20.93	21.03	20.99	20.82	20.84		3
256QAM	1	0	18.94	18.90	18.96	18.81	18.80	≤ 5	5
	1	12	18.78	18.87	18.84	18.80	18.76		
	1	24	18.76	18.71	18.82	18.72	18.78		
	12	0	19.04	19.09	19.00	19.04	19.05	≤ 5	5
	12	6	19.02	18.87	18.84	18.84	18.76		
	12	13	19.00	18.84	18.79	19.01	19.02		
	25	0	18.90	18.82	18.98	18.91	18.73		≤ 5

Table 8.3.13.5 LTE Conducted Power

CA Conf.	RF Expos. Cond.	UL																	
		PCC						SCC						MPR	Standalone			PCC+ SCC	
		Modulation	RB Size	RB Offset	BW	Freq.	Ch.	Modulation	RB Size	RB Offset	BW	Freq.	Ch.		LTE Rel.8	Aggregated BW	MPR	Tune-up Limit	CA Power (Total PCC+SCC)
CA 41C	Body	QPSK	1	99	20	2 593.0	40620	QPSK	1	0	20	2 612.8	40818	0	23.80	20	0	24.0	22.88

Table 8.3.13.6 LTE Conducted Power