

Table 11.1-3: The conducted power measurement results for GSM, GPRS and EGPRS Level B1

PCS1900 GPRS (GMSK)	Measured Power (dBm)				calculation	Averaged Power (dBm)		
	810	661	512			810	661	512
1 Txslot	28.76	28.83	28.89	30.00	-9.03	19.73	19.80	19.86
2 Txslots	27.13	27.58	27.70	28.00	-6.02	21.11	21.56	21.68
3Txslots	25.23	25.34	25.50	26.00	-4.26	20.97	21.08	21.24
4 Txslots	23.97	24.22	24.32	25.00	-3.01	20.96	21.21	21.31
PCS1900 EGPRS (GMSK)	Measured Power (dBm)				calculation	Averaged Power (dBm)		
	810	661	512			810	661	512
1 Txslot	28.64	28.77	28.85	30.00	-9.03	19.61	19.74	19.82
2 Txslots	27.04	27.51	27.65	28.00	-6.02	21.02	21.49	21.63
3Txslots	25.14	25.27	25.46	26.00	-4.26	20.88	21.01	21.20
4 Txslots	23.88	24.15	24.28	25.00	-3.01	20.87	21.14	21.27
PCS1900 EGPRS (8PSK)	Measured Power (dBm)				calculation	Averaged Power (dBm)		
	810	661	512			810	661	512
1 Txslot	24.51	25.01	24.84	26.50	-9.03	15.48	15.98	15.81
2 Txslots	22.73	23.02	23.05	24.00	-6.02	16.71	17.00	17.03
3Txslots	21.78	21.71	21.96	22.50	-4.26	17.52	17.45	17.70
4 Txslots	20.16	20.51	20.48	21.50	-3.01	17.15	17.50	17.47

NOTES:

1) Division Factors

To average the power, the division factor is as follows:

1TX-slot = 1 transmit time slot out of 8 time slots=> conducted power divided by (8/1) => -9.03dB

2TX-slots = 2 transmit time slots out of 8 time slots=> conducted power divided by (8/2) => -6.02dB

3TX-slots = 3 transmit time slots out of 8 time slots=> conducted power divided by (8/3) => -4.26dB

4TX-slots = 4 transmit time slots out of 8 time slots=> conducted power divided by (8/4) => -3.01dB

According to the conducted power as above, the body measurements are performed with 2Txslots for GSM1900.

11.2 WCDMA Measurement result

Table 11.2-1: The conducted Power for WCDMA Level A1/B1

Item	band	FDDV result			
	ARFCN	4132 (826.4MHz)	4182 (836.4MHz)	4233 (846.6MHz)	Tune up
WCDMA	1	24.29	24.07	24.02	24.50
HSUPA	1	22.51	22.52	22.53	24.50
	2	20.52	20.51	20.52	22.50
	3	21.44	21.47	21.46	22.50
	4	20.57	20.54	20.50	22.50
	5	22.51	22.52	22.53	24.50
HSPA+		22.03	22.23	22.04	24.00
DC-HSDPA	1	22.43	22.44	22.40	24.00
	2	22.42	22.45	22.42	24.00
	3	22.01	22.03	22.05	24.00
	4	22.01	22.05	22.07	24.00

Table 11.2-2: The conducted Power for WCDMA Level A1

Item	band	FDDIV result			
	ARFCN	1312 (1712.4MHz)	1412 (1732.4MHz)	1513 (1752.6MHz)	
WCDMA	1	24.32	24.40	24.35	24.50
HSUPA	1	22.9	22.95	22.70	24.00
	2	20.93	20.96	20.72	22.00
	3	21.83	21.95	21.72	24.00
	4	20.8	20.90	20.69	22.00
	5	22.74	22.88	22.60	24.00
HSPA+		22.38	22.43	22.37	24.00
DC-HSDPA	1	22.67	22.76	22.66	24.00
	2	22.66	22.74	22.64	24.00
	3	22.18	22.26	22.15	24.00
	4	22.19	22.28	22.14	24.00
Item	band	FDDII result			
	ARFCN	9262 (1852.4MHz)	9400 (1880MHz)	9538 (1907.6MHz)	
WCDMA	1	23.36	23.56	24.32	24.00
HSUPA	1	22.27	22.67	22.73	24.00
	2	20.38	20.70	20.75	22.00
	3	21.23	21.57	21.68	23.00
	4	20.23	20.55	20.68	22.00
	5	22.27	22.68	22.72	24.00
HSPA+		21.76	22.08	22.29	23.50

DC-HSDPA	1	22.30	22.62	22.63	24.00
	2	22.32	22.60	22.64	24.00
	3	21.83	22.13	22.14	24.00
	4	21.82	22.14	22.16	24.00

Table 11.2-2: The conducted Power for WCDMA Level B1

Item	band	FDDIV result			
	ARFCN	1312 (1712.4MHz)	1412 (1732.4MHz)	1513 (1752.6MHz)	
WCDMA	1	22.46	22.42	22.27	22.5
HSUPA	1	20.73	20.81	20.64	21.50
	2	18.72	18.80	18.65	20.50
	3	19.72	19.80	19.64	20.50
	4	18.73	18.81	18.65	20.50
	5	20.74	20.80	20.65	21.50
HSPA+		20.25	20.33	20.15	21.50
DC-HSDPA	1	20.7	20.78	20.60	21.50
	2	20.68	20.76	20.58	21.50
	3	20.18	20.25	20.08	21.50
	4	20.19	20.24	20.10	21.50
Item	band	FDDII result			
	ARFCN	9262 (1852.4MHz)	9400 (1880MHz)	9538 (1907.6MHz)	
WCDMA	1	21.12	21.42	21.30	21.50
HSUPA	1	19.21	19.64	19.62	21.50
	2	17.15	17.60	17.60	19.00
	3	18.18	18.62	18.62	20.00
	4	17.64	17.62	17.60	18.50
	5	19.22	19.65	19.63	21.00
HSPA+		18.72	19.15	19.14	20.50
DC-HSDPA	1	19.26	19.60	19.58	21.00
	2	19.24	19.62	19.60	21.00
	3	18.75	19.12	19.08	20.50
	4	18.74	19.10	19.09	20.50

11.4 LTE Measurement result

Table 11.4-1: Maximum Power Reduction (MPR) for LTE

Modulation	Channel bandwidth / Transmission bandwidth configuration [RB]						MPR (dB)
	1.4	3	5	10	15	20	
	MHz	MHz	MHz	MHz	MHz	MHz	
QPSK	> 5	> 4	> 8	> 12	> 16	> 18	≤1
16 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤1
16 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤2
64 QAM	≤ 5	≤ 4	≤ 8	≤ 12	≤ 16	≤ 18	≤2
64 QAM	> 5	> 4	> 8	> 12	> 16	> 18	≤3

Table 11.4-2: The tune up for LTE– Power Level A1

Band	Tune up Level A1	Tune up Level B1	Tune up Level C1
LTE Band 7	23.5	14.5	18
LTE Band 12	24.5	24.5	/
LTE Band 13	24.5	24.5	/
LTE Band 25	24.5	21.5	/
LTE Band 26	24.5	24.5	/
LTE Band 41	24.5	16.5	19
LTE Band 66	25.0	23.0	/
LTE Band 71	23.7	23.7	/

Power Level A1/B1/C1

Table 11.3-1: The conducted Power for LTE

Band 12					
Bandwidth (MHz)	RB allocation	Frequency (MHz)	QPSK	16QAM	64QAM
	RB offset (Start RB)		Actual output power (dBm)	Actual output power (dBm)	Actual output power (dBm)
1.4 MHz	1RB High (5)	715.3	22.66	23.16	22.76
		707.5	22.65	23.01	22.71
		699.7	22.64	23.07	22.81
	1RB Middle (3)	715.3	22.74	23.08	22.89
		707.5	22.56	22.94	22.71
		699.7	22.83	22.90	22.72
	1RB Low (0)	715.3	22.68	23.06	23.02
		707.5	22.65	23.02	22.56
		699.7	22.61	23.02	22.92
	3RB High (3)	715.3	22.69	22.69	22.69
		707.5	22.60	22.37	22.79
		699.7	22.76	22.71	22.79
	3RB Middle (1)	715.3	22.77	22.46	22.77
		707.5	22.76	22.67	22.53

	3RB Low (0)	699.7	22.84	22.81	22.85
		715.3	22.65	22.77	22.85
		707.5	22.61	22.53	22.95
		699.7	22.71	22.81	22.94
	6RB (0)	715.3	22.69	21.72	21.72
		707.5	22.57	21.72	21.64
		699.7	22.79	21.81	21.73
3 MHz	1RB High (14)	714.5	22.71	22.96	22.87
		707.5	22.51	22.87	21.64
		700.5	22.67	22.79	21.78
	1RB Middle (7)	714.5	22.87	23.33	22.65
		707.5	22.85	22.67	21.69
		700.5	22.98	23.18	21.95
	1RB Low (0)	714.5	22.80	23.00	22.93
		707.5	22.81	22.83	21.59
		700.5	22.68	23.07	22.02
	8RB High (7)	714.5	22.73	21.79	21.75
		707.5	22.74	21.56	20.81
		700.5	22.78	21.89	20.76
	8RB Middle (4)	714.5	22.70	21.85	21.77
		707.5	22.70	21.77	20.78
		700.5	22.85	21.87	20.79
	8RB Low (0)	714.5	22.82	21.80	21.85
		707.5	22.68	21.67	20.69
		700.5	22.72	21.86	20.70
	15RB (0)	714.5	22.69	21.74	21.49
		707.5	22.61	21.66	20.51
		700.5	22.87	21.82	20.82
5 MHz	1RB High (24)	713.5	22.72	23.10	22.91
		707.5	22.54	22.73	23.00
		701.5	22.68	23.10	21.85
	1RB Middle (12)	713.5	22.67	23.12	22.79
		707.5	22.53	22.65	21.64
		701.5	22.75	23.05	21.88
	1RB Low (0)	713.5	22.77	23.01	22.80
		707.5	22.95	23.13	21.84
		701.5	22.73	23.20	21.95
	12RB High (13)	713.5	22.76	21.79	21.57
		707.5	22.58	21.80	20.67
		701.5	22.76	21.72	20.77
	12RB Middle (6)	713.5	22.78	21.67	21.71
		707.5	22.70	21.68	20.75
		701.5	22.76	21.74	20.75
	12RB Low (0)	713.5	22.88	21.70	21.71
		707.5	22.73	21.73	20.68
		701.5	22.91	21.80	20.90
	25RB (0)	713.5	22.71	21.78	21.70
		707.5	22.73	21.81	20.67

10 MHz	1RB High (49)	701.5	22.79	21.72	20.61
		711	22.59	22.90	21.78
		707.5	22.76	23.11	21.87
		704	22.57	22.77	21.72
	1RB Middle (24)	711	22.55	22.89	21.58
		707.5	22.51	22.40	21.86
		704	22.57	22.96	21.66
	1RB Low (0)	711	22.74	23.03	21.87
		707.5	22.87	23.16	22.02
		704	23.04	23.49	22.53
	25RB High (25)	711	22.67	21.66	20.59
		707.5	22.60	21.49	20.59
		704	22.55	21.47	20.51
	25RB Middle (12)	711	22.68	21.58	20.57
		707.5	22.62	21.58	20.56
		704	22.69	21.62	20.55
	25RB Low (0)	711	22.65	21.69	20.60
		707.5	22.74	21.69	20.66
		704	22.73	21.65	20.66
	50RB (0)	711	22.61	21.78	20.62
		707.5	22.63	21.57	20.58
		704	22.58	21.55	20.51

Band 13					
Bandwidth (MHz)	RB allocation	Frequency (MHz)	QPSK	16QAM	64QAM
	RB offset (Start RB)		Actual output power (dBm)	Actual output power (dBm)	Actual output power (dBm)
5 MHz	1RB High (24)	784.5	22.73	23.42	21.81
		782	22.91	23.13	22.16
		779.5	22.85	23.03	21.91
	1RB Middle (12)	784.5	22.50	22.99	21.99
		782	22.93	23.00	22.19
		779.5	22.78	23.29	22.05
	1RB Low (0)	784.5	23.16	23.45	22.10
		782	23.08	23.11	22.12
		779.5	22.85	23.40	21.96
	12RB High (13)	784.5	22.86	21.83	20.91
		782	22.94	21.98	21.02
		779.5	22.81	21.89	20.92
	12RB Middle (6)	784.5	22.93	21.87	20.90
		782	22.93	22.02	21.03
		779.5	22.91	21.90	20.92
	12RB Low (0)	784.5	23.00	21.93	20.95
		782	23.08	22.06	21.30
		779.5	22.88	21.88	20.89
	25RB (0)	784.5	22.93	21.91	21.01
		782	23.02	22.01	21.00

		779.5	22.93	21.91	20.93
10 MHz	1RB High (49)	782	23.06	23.07	21.65
	1RB Middle (24)	782	22.77	22.98	22.32
	1RB Low (0)	782	23.00	23.48	22.31
	25RB High (25)	782	22.87	21.88	21.05
	25RB Middle (12)	782	22.77	21.92	20.69
	25RB Low (0)	782	22.99	22.01	20.99
	50RB (0)	782	22.93	21.89	20.95

Band 26					
Bandwidth (MHz)	RB allocation	Frequency (MHz)	QPSK	16QAM	64QAM
	RB offset (Start RB)		Actual output power (dBm)	Actual output power (dBm)	Actual output power (dBm)
1.4 MHz	1RB High (5)	848.3	23.05	23.53	23.11
		831.5	22.94	23.65	22.11
		814.7	23.00	23.58	22.09
	1RB Middle (3)	848.3	23.14	23.38	23.32
		831.5	22.90	23.51	22.17
		814.7	23.14	23.37	22.10
	1RB Low (0)	848.3	22.98	23.24	23.12
		831.5	22.95	23.16	22.20
		814.7	22.83	22.99	22.25
	3RB High (3)	848.3	23.15	22.89	22.01
		831.5	22.93	22.87	22.01
		814.7	22.68	23.11	22.01
	3RB Middle (1)	848.3	23.09	23.50	23.12
		831.5	23.14	22.96	22.16
		814.7	23.12	22.76	22.26
	3RB Low (0)	848.3	23.15	22.98	23.28
		831.5	22.97	22.85	22.20
		814.7	23.03	22.74	21.85
	6RB (0)	848.3	23.11	22.20	22.49
		831.5	22.95	22.25	20.96
		814.7	23.05	22.17	21.08
3 MHz	1RB High (14)	847.5	23.05	23.15	23.05
		831.5	22.93	23.09	23.24
		815.5	23.84	23.40	22.07
	1RB	847.5	23.09	23.32	23.33

	Middle (7)	831.5	23.06	23.35	23.38
		815.5	23.88	23.18	22.20
	1RB Low (0)	847.5	23.08	23.46	23.15
		831.5	23.19	23.39	23.04
		815.5	24.00	23.37	22.10
	8RB High (7)	847.5	23.14	22.10	22.12
		831.5	23.00	21.99	21.98
		815.5	22.96	22.02	20.89
	8RB Middle (4)	847.5	23.22	22.16	22.12
		831.5	23.04	22.04	22.23
		815.5	23.06	21.87	21.00
	8RB Low (0)	847.5	23.01	22.03	22.05
		831.5	23.03	22.14	22.11
		815.5	23.02	22.00	21.10
	15RB (0)	847.5	23.03	22.08	22.21
		831.5	23.02	22.11	22.02
		815.5	22.87	21.92	20.92
5 MHz	1RB High (24)	846.5	23.11	23.29	23.09
		831.5	22.98	23.07	21.98
		816.5	22.89	23.14	22.14
	1RB Middle (12)	846.5	22.72	23.37	23.26
		831.5	22.94	23.08	22.05
		816.5	22.72	23.19	22.55
	1RB Low (0)	846.5	23.00	23.28	23.28
		831.5	22.94	23.17	22.20
		816.5	23.09	23.21	22.27
	12RB High (13)	846.5	23.10	22.01	22.03
		831.5	22.91	21.98	21.01
		816.5	23.00	22.00	21.08
	12RB Middle (6)	846.5	23.05	22.12	22.06
		831.5	23.04	22.07	21.06
		816.5	23.14	21.93	20.98
	12RB Low (0)	846.5	22.80	21.99	21.79
		831.5	22.94	21.96	21.03
		816.5	22.77	22.02	21.21
	25RB (0)	846.5	22.99	22.15	22.16
		831.5	23.02	22.01	20.99
		816.5	22.99	21.89	21.18
10 MHz	1RB High (49)	844	23.55	23.07	22.13
		831.5	23.28	23.17	22.34
		820	23.11	23.49	22.41
	1RB Middle (24)	844	22.92	23.33	22.02
		831.5	22.95	23.17	22.19
		820	23.03	23.31	22.11
	1RB Low (0)	844	23.20	23.37	22.21
		831.5	22.96	23.48	22.30
		820	23.32	23.36	22.36
	25RB	844	23.10	22.04	21.22

	High (25)	831.5	23.08	21.98	21.05
		820	23.07	22.06	21.01
	25RB Middle (12)	844	23.11	22.06	21.00
		831.5	23.09	22.09	21.07
		820	23.14	22.15	21.05
	25RB Low (0)	844	23.03	22.00	20.91
		831.5	23.08	22.07	21.02
		820	23.15	22.18	21.22
	50RB (0)	844	23.27	22.19	21.32
		831.5	23.11	22.10	21.09
		820	23.00	21.91	20.94
15 MHz	1RB High (74)	841.5	23.19	23.34	23.31
		831.5	23.26	23.49	22.29
		822.5	23.25	23.34	22.44
	1RB Middle (37)	1907.5	22.63	23.31	22.78
		1882.5	22.86	22.95	21.93
		1857.5	22.97	23.17	22.01
	1RB Low (0)	1907.5	22.96	23.31	23.03
		1882.5	23.11	23.45	22.30
		1857.5	22.96	23.10	21.98
	36RB High (38)	1907.5	22.72	21.62	21.65
		1882.5	22.58	21.76	20.59
		1857.5	22.71	21.72	20.86
	36RB Middle (19)	1907.5	22.80	21.82	21.86
		1882.5	22.92	21.96	20.87
		1857.5	23.11	21.92	21.00
	36RB Low (0)	1907.5	22.97	21.91	22.06
		1882.5	23.14	22.11	21.07
		1857.5	23.11	22.21	21.18
	75RB (0)	1907.5	22.85	21.79	21.84
		1882.5	23.00	21.93	20.89
		1857.5	22.99	21.94	20.96

Band 71					
Bandwidth (MHz)	RB allocation	Frequency (MHz)	QPSK	16QAM	64QAM
	RB offset (Start RB)		Actual output power (dBm)	Actual output power (dBm)	Actual output power (dBm)
5 MHz	1RB High (24)	695.5	22.78	22.94	22.79
		680.5	22.69	23.08	22.99
		665.5	22.82	23.08	22.90
	1RB Middle (12)	695.5	22.74	23.08	22.74
		680.5	22.75	23.21	22.91
		665.5	22.78	23.17	23.05
	1RB Low (0)	695.5	22.68	23.11	22.88
		680.5	22.89	22.96	22.93
		665.5	22.78	23.03	23.10
	12RB High (13)	695.5	22.74	21.80	21.77
		680.5	22.89	21.89	21.76
		665.5	22.82	21.86	21.83
	12RB Middle (6)	695.5	22.74	21.74	21.70
		680.5	22.88	21.93	21.88
		665.5	22.86	21.91	21.86
	12RB Low (0)	695.5	22.74	21.74	21.71
		680.5	22.97	22.00	21.85
		665.5	22.86	21.92	21.80
	25RB (0)	695.5	22.74	21.80	21.78
		680.5	22.86	21.86	21.85
		665.5	22.90	21.97	21.81
10 MHz	1RB High (49)	693	23.14	23.49	22.46
		680.5	23.06	23.24	22.24
		668	23.02	23.32	22.14
	1RB Middle (24)	693	22.88	23.08	22.02
		680.5	22.87	23.13	22.05
		668	22.86	22.95	22.06
	1RB Low (0)	693	23.61	22.62	21.50
		680.5	22.50	22.39	21.07
		668	22.51	22.24	20.94
	25RB High (25)	693	23.01	21.90	20.81
		680.5	22.95	21.85	20.84
		668	22.94	21.95	20.90
	25RB Middle (12)	693	22.98	22.07	20.91
		680.5	22.93	21.84	20.90
		668	22.89	21.91	20.85
	25RB Low (0)	693	22.64	21.94	21.46
		680.5	22.72	21.74	20.62
		668	22.79	21.70	20.73
	50RB (0)	693	22.86	21.80	21.48
		680.5	22.85	21.84	20.77

		668	22.75	21.82	20.76
15 MHz	1RB High (74)	690.5	22.50	22.68	21.59
		680.5	22.51	22.96	21.78
		670.5	22.68	22.79	21.67
		670.5	22.68	22.79	21.67
	1RB Middle (37)	690.5	22.63	23.06	21.66
		680.5	22.73	22.98	21.96
		670.5	22.53	22.95	21.97
	1RB Low (0)	690.5	22.51	22.63	21.45
		680.5	22.50	22.62	21.62
		670.5	22.52	22.62	21.71
	36RB High (38)	690.5	22.67	21.53	20.54
		680.5	22.60	21.51	20.56
		670.5	22.56	21.67	20.73
	36RB Middle (19)	690.5	22.66	21.64	20.65
		680.5	22.68	21.67	20.73
		670.5	22.74	21.63	20.77
	36RB Low (0)	690.5	22.63	21.64	20.64
		680.5	22.59	21.53	20.46
		670.5	22.56	21.59	20.61
	75RB (0)	690.5	22.54	21.41	20.44
		680.5	22.62	21.54	20.48
		670.5	22.65	21.68	20.59
20 MHz	1RB High (99)	688	22.51	22.67	21.45
		683	22.50	22.73	21.51
		673	22.52	22.67	21.56
	1RB Middle (50)	688	22.51	22.99	21.77
		683	22.66	22.93	21.54
		673	22.78	23.00	21.83
	1RB Low (0)	688	21.87	22.00	20.70
		683	21.85	22.08	20.89
		673	21.73	21.85	20.91
	50RB High (50)	688	22.52	21.49	20.53
		683	22.62	21.56	20.55
		673	22.55	21.55	20.52
	50RB Middle (25)	688	22.46	21.61	20.45
		683	22.69	21.65	20.74
		673	22.67	21.61	20.56
	50RB Low (0)	688	22.29	21.39	20.31
		683	22.23	21.38	20.28
		673	22.28	21.38	20.33
	100RB (0)	688	22.46	21.18	20.22
		683	22.43	21.27	20.40
		673	22.59	21.43	20.51

Power Level A1

Band 7					
Bandwidth (MHz)	RB allocation	Frequency (MHz)	QPSK	16QAM	64QAM
	RB offset (Start RB)		Actual output power (dBm)	Actual output power (dBm)	Actual output power (dBm)
5 MHz	1RB High (24)	2567.5	22.88	23.22	22.82
		2535	22.42	22.63	22.55
		2502.5	23.07	23.22	22.48
	1RB Middle (12)	2567.5	23.04	23.06	22.98
		2535	22.26	22.56	22.63
		2502.5	23.13	23.33	22.57
	1RB Low (0)	2567.5	22.97	23.15	23.04
		2535	22.65	22.88	22.60
		2502.5	23.22	23.34	22.92
	12RB High (13)	2567.5	22.81	22.34	22.33
		2535	22.38	21.89	21.80
		2502.5	23.06	22.56	21.55
	12RB Middle (6)	2567.5	22.80	22.36	22.27
		2535	22.42	21.96	21.97
		2502.5	23.02	22.60	21.53
	12RB Low (0)	2567.5	22.78	22.35	22.34
		2535	22.46	22.01	21.89
		2502.5	23.14	22.68	21.64
	25RB (0)	2567.5	22.85	22.40	22.32
		2535	22.47	21.91	21.94
		2502.5	22.98	22.53	21.54
10 MHz	1RB High (49)	2565	22.84	23.18	23.04
		2535	22.52	22.96	22.53
		2505	22.96	23.49	22.61
	1RB Middle (24)	2565	22.72	23.22	22.93
		2535	22.43	22.62	22.64
		2505	23.08	23.30	22.61
	1RB Low (0)	2565	23.09	23.32	23.27
		2535	22.61	22.93	23.00
		2505	23.26	23.46	22.84
	25RB High (25)	2565	22.90	22.38	22.30
		2535	22.38	21.97	21.91
		2505	22.93	22.52	21.51
	25RB Middle (12)	2565	22.88	22.32	22.34
		2535	22.37	21.86	21.89
		2505	23.08	22.58	21.61
	25RB Low (0)	2565	22.86	22.35	22.24
		2535	22.57	22.08	22.04
		2505	23.06	22.56	21.57
	50RB	2565	22.79	22.37	22.38

	(0)	2535	22.47	21.91	21.91
		2505	22.97	22.57	21.60
15 MHz	1RB High (74)	2562.5	22.80	23.05	22.78
		2535	22.68	22.99	22.29
		2507.5	22.90	23.13	22.86
	1RB Middle (37)	2562.5	22.72	23.11	22.90
		2535	22.62	22.93	22.28
		2507.5	22.99	23.49	22.75
	1RB Low (0)	2562.5	22.82	22.95	22.87
		2535	22.56	22.97	22.31
		2507.5	23.09	23.41	22.54
	36RB High (38)	2562.5	22.74	22.37	22.34
		2535	22.61	22.09	21.51
		2507.5	22.96	22.58	21.52
	36RB Middle (19)	2562.5	22.86	22.30	22.25
		2535	22.70	22.19	21.50
		2507.5	23.17	22.69	21.57
	36RB Low (0)	2562.5	22.71	22.17	22.22
		2535	22.71	22.28	21.52
		2507.5	23.18	22.71	21.70
	75RB (0)	2562.5	22.80	22.28	22.26
		2535	22.63	22.17	21.50
		2507.5	23.14	22.58	21.54
20 MHz	1RB High (99)	2560	22.74	23.05	22.64
		2535	22.79	22.98	22.09
		2510	22.84	23.41	22.38
	1RB Middle (50)	2560	22.90	23.32	22.52
		2535	22.94	23.08	22.25
		2510	23.07	23.44	22.41
	1RB Low (0)	2560	22.68	22.98	22.28
		2535	22.68	23.15	22.60
		2510	23.33	23.50	23.02
	50RB High (50)	2560	22.92	22.43	21.53
		2535	22.69	22.11	21.51
		2510	23.03	22.58	21.50
	50RB Middle (25)	2560	22.90	22.46	21.53
		2535	22.78	22.27	21.52
		2510	23.12	22.67	21.67
	50RB Low (0)	2560	22.90	22.35	21.51
		2535	22.74	22.35	21.53
		2510	23.34	22.84	21.76
	100RB (0)	2560	22.84	22.37	21.52
		2535	22.73	22.20	21.56
		2510	23.13	22.68	21.72

Band 25					
Bandwidth (MHz)	RB allocation	Frequency (MHz)	QPSK	16QAM	64QAM
	RB offset (Start RB)		Actual output power (dBm)	Actual output power (dBm)	Actual output power (dBm)
1.4 MHz	1RB High (5)	1914.3	24.10	23.54	23.49
		1882.5	24.05	23.31	22.29
		1850.7	24.23	23.53	22.45
	1RB Middle (3)	1914.3	24.07	23.45	23.48
		1882.5	24.16	23.64	22.24
		1850.7	24.29	23.48	22.36
	1RB Low (0)	1914.3	24.14	23.52	23.25
		1882.5	24.14	23.67	22.20
		1850.7	24.24	23.28	22.46
	3RB High (3)	1914.3	24.26	23.17	23.16
		1882.5	24.17	23.12	22.19
		1850.7	24.20	23.26	22.28
	3RB Middle (1)	1914.3	24.30	23.28	23.29
		1882.5	24.28	23.15	22.32
		1850.7	24.23	23.20	22.31
	3RB Low (0)	1914.3	24.06	23.16	23.20
		1882.5	24.13	23.12	22.30
		1850.7	24.26	23.16	22.24
	6RB (0)	1914.3	23.11	22.51	22.14
		1882.5	23.01	22.52	21.14
		1850.7	23.28	22.51	21.21
3 MHz	1RB High (14)	1913.5	24.25	23.46	23.34
		1882.5	24.06	23.23	22.29
		1851.5	24.17	23.39	22.43
	1RB Middle (7)	1913.5	24.35	23.47	23.35
		1882.5	24.12	23.33	22.42
		1851.5	24.26	23.49	22.35
	1RB Low (0)	1913.5	24.40	23.46	23.47
		1882.5	24.24	23.33	22.28
		1851.5	24.32	23.46	22.36
	8RB High (7)	1913.5	23.32	22.34	22.31
		1882.5	23.25	22.21	21.17
		1851.5	23.26	22.31	21.41
	8RB Middle (4)	1913.5	23.28	22.30	22.27
		1882.5	23.28	22.25	21.18
		1851.5	23.37	22.33	21.23
	8RB Low (0)	1913.5	23.30	22.39	22.34
		1882.5	23.25	22.25	21.21
		1851.5	23.31	22.31	21.28
	15RB (0)	1913.5	23.28	22.29	22.31
		1882.5	23.25	22.20	21.16

5 MHz	1RB High (24)	1851.5	23.23	22.46	21.25
		1912.5	24.26	23.47	23.27
		1882.5	23.99	23.37	23.08
		1852.5	24.17	23.49	22.36
	1RB Middle (12)	1912.5	24.20	23.45	23.30
		1882.5	24.08	23.46	22.32
		1852.5	24.20	23.47	22.31
	1RB Low (0)	1912.5	24.28	23.46	23.39
		1882.5	24.27	23.41	22.41
		1852.5	24.35	23.42	22.53
	12RB High (13)	1912.5	23.12	22.27	22.21
		1882.5	23.11	22.21	21.23
		1852.5	23.22	22.24	21.24
	12RB Middle (6)	1912.5	23.32	22.28	22.32
		1882.5	23.15	22.25	21.27
		1852.5	23.35	22.25	21.29
	12RB Low (0)	1912.5	23.33	22.39	22.21
		1882.5	23.26	22.21	21.22
		1852.5	23.33	22.29	21.34
	25RB (0)	1912.5	23.25	22.41	22.30
		1882.5	23.28	22.25	21.22
		1852.5	23.36	22.34	21.27
10 MHz	1RB High (49)	1910	24.48	23.53	23.47
		1882.5	24.22	23.59	22.45
		1855	24.45	23.54	22.62
	1RB Middle (24)	1910	24.16	23.58	23.26
		1882.5	24.13	23.26	22.25
		1855	24.19	23.57	22.41
	1RB Low (0)	1910	24.24	23.69	23.45
		1882.5	24.25	23.59	22.51
		1855	24.51	23.53	22.53
	25RB High (25)	1910	23.32	22.23	22.31
		1882.5	23.11	22.23	21.21
		1855	23.37	22.37	21.31
	25RB Middle (12)	1910	23.35	22.35	22.32
		1882.5	23.25	22.18	21.23
		1855	23.29	22.37	21.25
	25RB Low (0)	1910	23.26	22.26	22.24
		1882.5	23.22	22.23	21.20
		1855	23.32	22.27	21.17
	50RB (0)	1910	23.24	22.35	22.14
		1882.5	23.21	22.25	21.22
		1855	23.20	22.30	21.24
15 MHz	1RB High (74)	1907.5	24.06	23.22	22.33
		1882.5	24.01	23.29	22.41
		1857.5	24.15	23.32	22.37
	1RB Middle	1907.5	24.02	23.46	22.23
		1882.5	24.09	23.49	22.29

	(37)	1857.5	24.14	23.45	22.33
	1RB Low (0)	1907.5	24.11	23.32	22.32
		1882.5	24.11	23.31	22.28
		1857.5	24.35	23.40	22.41
	36RB High (38)	1907.5	23.32	22.34	21.33
		1882.5	23.29	22.25	21.22
		1857.5	23.24	22.29	21.30
	36RB Middle (19)	1907.5	23.24	22.15	21.28
		1882.5	23.29	22.25	21.26
		1857.5	23.34	22.32	21.41
	36RB Low (0)	1907.5	23.18	22.15	21.23
		1882.5	23.26	22.23	21.30
		1857.5	23.35	22.33	21.24
	75RB (0)	1907.5	23.16	22.31	21.41
		1882.5	23.27	22.26	21.20
		1857.5	23.35	22.32	21.21
20 MHz	1RB High (99)	1905	23.68	22.71	21.85
		1882.5	23.56	22.68	21.73
		1860	23.51	22.90	21.73
	1RB Middle (50)	1905	23.89	23.11	21.94
		1882.5	23.97	23.17	21.99
		1860	23.98	23.26	22.20
	1RB Low (0)	1905	23.66	23.03	22.01
		1882.5	24.06	23.06	22.09
		1860	23.85	23.08	22.12
	50RB High (50)	1905	22.76	21.84	20.80
		1882.5	22.92	21.87	20.81
		1860	22.99	22.00	20.92
	50RB Middle (25)	1905	22.89	21.91	20.96
		1882.5	22.92	21.96	20.91
		1860	23.03	21.98	20.98
	50RB Low (0)	1905	22.92	21.94	20.95
		1882.5	22.97	22.02	20.94
		1860	22.96	22.06	20.90
	100RB (0)	1905	22.96	21.87	20.91
		1882.5	22.98	21.73	20.87
		1860	23.07	21.92	20.92

BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
5MHz	1RB-High (24)	2652.5 (41215)	23.68	22.75	22.64
		2613.5 (40825)	23.68	22.84	22.70
		2575.5(40445)	24.08	23.15	22.72
		2537.5 (40065)	23.73	22.72	22.50
	1RB-Middle (12)	2652.5 (41215)	23.48	22.80	22.45
		2613.5 (40825)	24.03	23.07	22.48
		2575.5(40445)	23.69	22.91	22.66
		2537.5 (40065)	23.69	22.59	22.44
	1RB-Low (0)	2652.5 (41215)	23.87	22.87	22.69
		2613.5 (40825)	24.05	23.06	22.84
		2575.5(40445)	23.90	22.99	22.65
		2537.5 (40065)	23.84	22.91	22.65
	12RB-High (13)	2652.5 (41215)	22.67	21.62	21.64
		2613.5 (40825)	22.65	21.73	21.77
		2575.5(40445)	22.76	21.93	21.86
		2537.5 (40065)	22.74	21.62	21.71
	12RB-Middle (6)	2652.5 (41215)	22.72	21.71	21.73
		2613.5 (40825)	22.79	21.81	21.83
		2575.5(40445)	22.95	21.83	21.86
		2537.5 (40065)	22.79	21.68	21.73
	12RB-Low (0)	2652.5 (41215)	22.67	21.67	21.75
		2613.5 (40825)	22.76	21.80	21.76
		2575.5(40445)	23.03	21.97	21.98
		2537.5 (40065)	22.79	21.80	21.78
	25RB (0)	2652.5 (41215)	22.65	21.73	21.76
		2613.5 (40825)	22.84	21.71	21.77
		2575.5(40445)	22.81	21.83	21.78
		2537.5 (40065)	22.78	21.81	21.75
10MHz	1RB-High (49)	2650 (41190)	23.92	22.97	22.84
		2612 (40810)	23.74	23.10	22.62
		2576(40450)	24.09	23.32	22.87
		2540 (40090)	23.74	22.88	22.55
	1RB-Middle (24)	2650 (41190)	23.78	22.78	22.52
		2612 (40810)	23.67	23.04	22.48
		2576(40450)	23.78	22.88	22.84
		2540 (40090)	23.75	22.78	22.46
	1RB-Low (0)	2650 (41190)	23.98	23.00	22.63
		2612 (40810)	24.09	23.30	22.89
		2576(40450)	24.10	23.27	22.89
		2540 (40090)	24.04	23.10	22.70

	25RB-High (25)	2650 (41190)	22.71	21.76	21.65
		2612 (40810)	22.77	21.75	21.72
		2576(40450)	22.95	21.96	21.80
		2540 (40090)	22.73	21.73	21.65
	25RB-Middle (12)	2650 (41190)	22.74	21.71	21.69
		2612 (40810)	22.81	21.87	21.76
		2576(40450)	22.78	21.91	21.98
		2540 (40090)	22.74	21.80	21.72
	25RB-Low (0)	2650 (41190)	22.82	21.85	21.85
		2612 (40810)	22.90	21.95	21.86
		2576(40450)	22.87	21.97	21.92
		2540 (40090)	22.86	21.82	21.80
	50RB (0)	2650 (41190)	22.76	21.80	21.77
		2612 (40810)	22.70	21.83	21.73
		2576(40450)	22.92	21.86	21.89
		2540 (40090)	22.73	21.81	21.76
15MHz	1RB-High (74)	2647.5 (41165)	23.07	22.17	21.80
		2612.5 (40815)	23.17	22.21	21.87
		2577.5(40465)	23.38	22.51	22.31
		2542.5 (40115)	23.14	22.16	21.91
	1RB-Middle (37)	2647.5 (41165)	23.88	23.13	22.93
		2612.5 (40815)	24.08	23.17	22.84
		2577.5(40465)	24.09	23.24	22.84
		2542.5 (40115)	24.06	23.26	22.77
	1RB-Low (0)	2647.5 (41165)	23.44	22.62	22.39
		2612.5 (40815)	23.74	22.97	22.76
		2577.5(40465)	23.79	22.87	22.59
		2542.5 (40115)	23.72	22.87	22.62
	36RB-High (38)	2647.5 (41165)	22.57	21.51	21.67
		2612.5 (40815)	22.71	21.71	21.72
		2577.5(40465)	22.99	22.00	22.07
		2542.5 (40115)	22.64	21.69	21.67
	36RB-Middle (19)	2647.5 (41165)	23.04	21.96	22.04
		2612.5 (40815)	23.01	22.01	22.01
		2577.5(40465)	23.20	22.18	22.20
		2542.5 (40115)	23.08	22.02	22.03
	36RB-Low (0)	2647.5 (41165)	22.94	22.06	22.03
		2612.5 (40815)	23.13	22.10	22.09
		2577.5(40465)	23.18	22.36	22.21
		2542.5 (40115)	23.11	22.09	22.09
	75RB (0)	2647.5 (41165)	22.78	21.90	21.85
		2612.5 (40815)	22.87	21.88	21.98

20MHz		2577.5(40465)	23.11	22.17	22.17
		2542.5 (40115)	22.88	21.93	22.01
	1RB-High (99)	2645 (41140)	23.84	23.19	22.81
		2611 (40800)	23.92	23.06	23.02
		2578 (40470)	24.23	23.48	23.49
		2545 (40140)	24.16	23.34	23.13
	1RB-Middle (50)	2645 (41140)	24.02	23.25	22.99
		2611 (40800)	24.16	23.41	23.11
		2578 (40470)	24.37	23.63	23.31
		2545 (40140)	24.19	23.48	23.19
	1RB-Low (0)	2645 (41140)	23.98	23.28	23.10
		2611 (40800)	24.22	23.56	23.48
		2578 (40470)	24.34	23.69	23.47
		2545 (40140)	24.31	23.65	23.42
	50RB-High (50)	2645 (41140)	22.87	22.09	22.03
		2611 (40800)	23.01	22.05	22.05
		2578 (40470)	23.37	22.41	22.36
		2545 (40140)	23.08	22.19	22.16
	50RB-Middle (25)	2645 (41140)	23.03	22.09	21.97
		2611 (40800)	23.16	22.24	22.08
		2578 (40470)	23.38	22.44	22.29
		2545 (40140)	23.21	22.33	22.20
	50RB-Low (0)	2645 (41140)	22.97	22.06	21.89
		2611 (40800)	23.20	22.19	22.25
		2578 (40470)	23.32	22.40	22.39
		2545 (40140)	23.25	22.26	22.33
	100RB (0)	2645 (41140)	23.06	22.10	22.17
		2611 (40800)	23.09	22.16	22.24
		2578 (40470)	23.47	22.39	22.48
		2545 (40140)	23.18	22.23	22.28

Band 66					
Bandwidth (MHz)	RB allocation	Frequency (MHz)	QPSK	16QAM	64QAM
	RB offset (Start RB)		Actual output power (dBm)	Actual output power (dBm)	Actual output power (dBm)
1.4 MHz	1RB High (5)	1779.3	24.29	23.88	22.62
		1745	24.23	23.84	22.63
		1710.7	24.07	24.00	22.59
	1RB Middle	1779.3	24.55	23.96	22.38
		1745	24.39	23.66	22.37

	(3)	1710.7	24.45	23.70	22.51
	1RB Low (0)	1779.3	24.96	24.09	22.75
		1745	24.17	23.49	22.54
		1710.7	24.36	23.72	22.49
	3RB High (3)	1779.3	24.38	23.72	22.53
		1745	24.43	23.27	22.57
		1710.7	24.45	23.58	22.53
	3RB Middle (1)	1779.3	24.31	23.81	22.70
		1745	24.78	23.42	22.53
		1710.7	24.37	23.22	22.38
	3RB Low (0)	1779.3	24.84	23.42	22.66
		1745	24.42	23.31	22.57
		1710.7	24.37	23.13	22.44
	6RB (0)	1779.3	23.52	22.65	21.34
		1745	23.31	22.52	21.49
		1710.7	23.41	22.32	21.34
3 MHz	1RB High (14)	1778.5	24.53	23.98	22.26
		1745	24.35	23.81	22.42
		1711.5	24.25	23.97	22.12
	1RB Middle (7)	1778.5	24.32	23.84	22.92
		1745	24.26	23.45	22.54
		1711.5	24.17	23.26	22.64
	1RB Low (0)	1778.5	24.42	23.91	22.64
		1745	24.29	23.59	22.96
		1711.5	24.46	23.67	22.85
	8RB High (7)	1778.5	23.64	22.56	22.62
		1745	23.43	22.47	22.55
		1711.5	23.30	22.46	21.43
	8RB Middle (4)	1778.5	23.62	22.67	22.70
		1745	23.54	22.45	22.56
		1711.5	23.65	22.38	21.55
	8RB Low (0)	1778.5	23.59	22.57	22.69
		1745	23.48	22.55	22.66
		1711.5	23.38	22.41	21.44
	15RB (0)	1778.5	23.59	22.56	22.62
		1745	23.45	22.41	22.50
		1711.5	23.60	22.37	21.39
5 MHz	1RB High (24)	1777.5	24.24	23.93	23.39
		1745	24.49	23.74	23.65
		1712.5	24.14	23.70	22.17
	1RB Middle (12)	1777.5	23.99	23.74	23.70
		1745	24.36	23.49	23.41
		1712.5	24.00	23.59	22.45
	1RB Low (0)	1777.5	24.60	23.92	23.54
		1745	24.38	23.69	23.54
		1712.5	24.54	23.75	22.86
	12RB High (13)	1777.5	23.49	22.56	22.65
		1745	23.48	22.46	22.44

	12RB Middle (6)	1712.5	23.26	22.32	21.30
		1777.5	23.62	22.50	22.57
		1745	23.52	22.52	22.51
		1712.5	23.42	22.47	21.41
	12RB Low (0)	1777.5	23.70	22.64	22.75
		1745	23.57	22.59	22.71
		1712.5	23.31	22.31	21.51
	25RB (0)	1777.5	23.56	22.68	22.58
		1745	23.45	22.50	22.49
		1712.5	23.47	22.47	21.47
10 MHz	1RB High (49)	1775	24.85	23.96	23.99
		1745	24.76	23.85	23.02
		1715	24.73	23.98	23.16
	1RB Middle (24)	1775	24.25	23.46	23.37
		1745	24.50	23.48	22.69
		1715	24.38	23.37	22.32
	1RB Low (0)	1775	23.83	22.98	22.78
		1745	23.89	23.07	22.01
		1715	23.85	22.92	22.00
	25RB High (25)	1775	23.55	22.62	22.74
		1745	23.48	22.63	21.67
		1715	23.49	22.50	21.60
	25RB Middle (12)	1775	23.75	22.69	22.70
		1745	23.48	22.55	21.55
		1715	23.31	22.50	21.29
	25RB Low (0)	1775	23.44	22.45	22.47
		1745	23.33	22.42	21.50
		1715	23.39	22.43	21.34
	50RB (0)	1775	23.62	22.58	22.66
		1745	23.44	22.54	21.56
		1715	23.40	22.42	21.34
15 MHz	1RB High (74)	1772.5	24.40	23.49	23.47
		1745	24.35	23.66	22.47
		1717.5	24.50	23.44	22.44
	1RB Middle (37)	1772.5	24.26	23.24	23.19
		1745	24.18	23.40	22.56
		1717.5	24.04	23.42	22.66
	1RB Low (0)	1772.5	24.37	23.57	23.59
		1745	24.20	23.58	22.58
		1717.5	24.33	23.74	22.57
	36RB High (38)	1772.5	23.44	22.25	22.28
		1745	23.28	22.17	21.36
		1717.5	23.17	22.09	21.24
	36RB Middle (19)	1772.5	23.31	22.32	22.35
		1745	23.33	22.27	21.37
		1717.5	23.33	22.29	21.11
	36RB Low (0)	1772.5	23.61	22.39	22.47
		1745	23.42	22.38	21.27

	75RB (0)	1717.5	23.23	22.25	21.38
		1772.5	23.25	22.33	22.35
		1745	23.28	22.34	21.40
		1717.5	23.26	22.29	21.26
20 MHz	1RB High (99)	1770	24.52	23.52	22.54
		1745	24.36	23.61	22.53
		1720	24.48	23.40	22.56
	1RB Middle (50)	1770	23.71	23.21	22.67
		1745	24.09	23.37	22.25
		1720	23.98	22.88	22.28
	1RB Low (0)	1770	23.86	23.10	22.95
		1745	23.90	22.89	21.89
		1720	23.74	22.84	21.85
	50RB High (50)	1770	23.10	22.06	21.06
		1745	23.04	22.12	21.02
		1720	23.15	22.16	21.17
	50RB Middle (25)	1770	23.20	22.10	21.18
		1745	23.24	22.11	21.08
		1720	23.04	21.79	20.89
	50RB Low (0)	1770	23.12	22.02	21.96
		1745	22.96	21.94	20.90
		1720	23.10	21.87	20.99
	100RB (0)	1770	23.13	22.21	21.98
		1745	23.12	22.20	20.96
		1720	23.09	22.01	21.02

Power Level B1

Band 7					
Bandwidth (MHz)	RB allocation	Frequency (MHz)	QPSK	16QAM	64QAM
	RB offset (Start RB)		Actual output power (dBm)	Actual output power (dBm)	Actual output power (dBm)
5 MHz	1RB High (24)	2567.5	13.88	14.14	13.89
		2535	13.51	13.89	13.61
		2502.5	14.14	14.28	14.13
	1RB Middle (12)	2567.5	13.91	14.16	13.93
		2535	13.51	13.64	13.71
		2502.5	14.18	14.31	14.23
	1RB Low (0)	2567.5	13.96	14.17	14.19
		2535	13.69	14.01	13.82
		2502.5	14.21	14.40	14.25
	12RB High (13)	2567.5	13.93	13.93	13.90
		2535	13.53	13.47	13.47
		2502.5	14.12	14.17	14.07
	12RB Middle (6)	2567.5	13.92	13.95	13.88
		2535	13.60	13.64	13.59
		2502.5	14.13	14.13	14.08

	12RB Low (0)	2567.5	13.94	13.98	13.95
		2535	13.55	13.61	13.57
		2502.5	14.23	14.32	14.23
	25RB (0)	2567.5	14.00	13.96	13.96
		2535	13.63	13.59	13.58
		2502.5	14.19	14.15	14.15
10 MHz	1RB High (49)	2565	13.98	14.26	14.12
		2535	13.66	13.90	13.82
		2505	14.12	14.29	14.29
	1RB Middle (24)	2565	13.89	14.12	14.04
		2535	13.52	13.78	13.66
		2505	14.06	14.19	14.28
	1RB Low (0)	2565	14.09	14.34	14.16
		2535	13.74	14.16	13.89
		2505	14.34	14.36	14.41
	25RB High (25)	2565	13.92	13.93	13.79
		2535	13.57	13.60	13.65
		2505	14.04	14.14	14.16
	25RB Middle (12)	2565	13.94	13.88	13.88
		2535	13.54	13.59	13.50
		2505	14.15	14.14	14.15
	25RB Low (0)	2565	13.96	13.91	13.82
		2535	13.66	13.59	13.66
		2505	14.17	14.23	14.24
	50RB (0)	2565	13.90	13.94	13.84
		2535	13.55	13.51	13.50
		2505	14.14	14.23	14.15
15 MHz	1RB High (74)	2562.5	13.66	14.03	13.95
		2535	13.43	13.80	13.58
		2507.5	13.89	14.31	13.99
	1RB Middle (37)	2562.5	13.89	14.03	14.14
		2535	13.62	13.90	13.91
		2507.5	14.07	14.23	14.29
	1RB Low (0)	2562.5	13.76	13.90	14.01
		2535	13.74	14.07	13.72
		2507.5	14.15	14.40	14.36
	36RB High (38)	2562.5	13.90	13.89	13.87
		2535	13.72	13.60	13.60
		2507.5	14.06	14.07	14.09
	36RB Middle (19)	2562.5	13.79	13.89	13.88
		2535	13.71	13.67	13.67
		2507.5	14.16	14.16	14.19
	36RB Low (0)	2562.5	13.83	13.74	13.72
		2535	13.74	13.75	13.75
		2507.5	14.23	14.17	14.15
	75RB (0)	2562.5	13.78	13.87	13.81
		2535	13.66	13.64	13.63
		2507.5	14.12	14.14	14.15

20 MHz	1RB High (99)	2560	13.62	13.69	13.70
		2535	13.13	13.54	13.33
		2510	13.36	13.88	13.54
	1RB Middle (50)	2560	13.55	13.90	13.67
		2535	13.31	13.58	13.40
		2510	13.76	14.18	13.97
	1RB Low (0)	2560	13.40	13.55	13.61
		2535	13.34	13.67	13.57
		2510	13.94	14.16	14.12
	50RB High (50)	2560	13.58	13.63	13.57
		2535	13.27	13.25	13.28
		2510	13.61	13.58	13.60
	50RB Middle (25)	2560	13.60	13.65	13.68
		2535	13.30	13.29	13.34
		2510	13.74	13.77	13.78
	50RB Low (0)	2560	13.53	13.55	13.61
		2535	13.36	13.38	13.32
		2510	13.87	13.92	13.90
	100RB (0)	2560	13.67	13.60	13.54
		2535	13.34	13.21	13.26
		2510	13.71	13.85	13.76

Band 25					
Bandwidth (MHz)	RB allocation	Frequency (MHz)	QPSK	16QAM	64QAM
	RB offset (Start RB)		Actual output power (dBm)	Actual output power (dBm)	Actual output power (dBm)
1.4 MHz	1RB High (5)	1914.3	21.19	21.46	21.46
		1882.5	21.14	21.32	21.31
		1850.7	21.15	21.46	21.24
	1RB Middle (3)	1914.3	21.36	21.49	21.36
		1882.5	21.09	21.45	21.25
		1850.7	21.23	21.43	21.35
	1RB Low (0)	1914.3	21.18	21.43	21.40
		1882.5	21.10	21.43	21.27
		1850.7	21.20	21.43	21.35
	3RB High (3)	1914.3	21.16	21.16	21.13
		1882.5	21.13	21.07	21.12
		1850.7	21.24	21.18	21.25
	3RB Middle (1)	1914.3	21.30	21.31	21.33
		1882.5	21.16	21.21	21.27
		1850.7	21.29	21.24	21.21
	3RB Low (0)	1914.3	21.27	21.25	21.22
		1882.5	21.12	21.15	21.23
		1850.7	21.19	21.24	21.25
	6RB (0)	1914.3	21.20	21.21	21.25
		1882.5	21.12	21.23	21.13
		1850.7	21.24	21.26	21.21

3 MHz	1RB High (14)	1913.5	21.25	21.38	21.28
		1882.5	21.17	21.42	21.15
		1851.5	21.10	21.41	21.40
	1RB Middle (7)	1913.5	21.48	21.44	21.40
		1882.5	21.09	21.46	21.19
		1851.5	21.24	21.45	21.35
	1RB Low (0)	1913.5	21.22	21.42	21.38
		1882.5	21.15	21.46	21.31
		1851.5	21.21	21.48	21.34
	8RB High (7)	1913.5	21.15	21.26	21.26
		1882.5	21.17	21.22	21.17
		1851.5	21.16	21.24	21.31
	8RB Middle (4)	1913.5	21.22	21.25	21.35
		1882.5	21.19	21.24	21.19
		1851.5	21.36	21.33	21.32
	8RB Low (0)	1913.5	21.12	21.26	21.33
		1882.5	21.17	21.24	21.18
		1851.5	21.24	21.31	21.31
	15RB (0)	1913.5	21.27	21.34	21.21
		1882.5	21.17	21.18	21.18
		1851.5	21.32	21.24	21.24
5 MHz	1RB High (24)	1912.5	21.34	21.49	21.40
		1882.5	21.07	21.34	21.17
		1852.5	21.25	21.46	21.25
	1RB Middle (12)	1912.5	21.27	21.46	21.48
		1882.5	21.13	21.43	21.33
		1852.5	21.23	21.47	21.20
	1RB Low (0)	1912.5	21.33	21.43	21.43
		1882.5	21.25	21.48	21.32
		1852.5	21.25	21.46	21.50
	12RB High (13)	1912.5	21.29	21.19	21.19
		1882.5	21.14	21.18	21.16
		1852.5	21.27	21.29	21.34
	12RB Middle (6)	1912.5	21.29	21.27	21.22
		1882.5	21.18	21.19	21.29
		1852.5	21.29	21.31	21.27
	12RB Low (0)	1912.5	21.36	21.33	21.35
		1882.5	21.24	21.27	21.24
		1852.5	21.36	21.27	21.33
	25RB (0)	1912.5	21.27	21.34	21.35
		1882.5	21.25	21.18	21.21
		1852.5	21.34	21.30	21.35
10 MHz	1RB High (49)	1910	21.46	21.42	21.43
		1882.5	21.30	21.41	21.39
		1855	21.46	21.43	21.43
	1RB Middle (24)	1910	21.18	21.42	21.42
		1882.5	21.16	21.49	21.22
		1855	21.23	21.46	21.29

	1RB Low (0)	1910	21.29	21.46	21.44
		1882.5	21.34	21.43	21.44
		1855	21.37	21.47	21.43
	25RB High (25)	1910	21.32	21.25	21.25
		1882.5	21.17	21.19	21.14
		1855	21.37	21.37	21.31
	25RB Middle (12)	1910	21.24	21.29	21.39
		1882.5	21.19	21.21	21.25
		1855	21.33	21.27	21.18
	25RB Low (0)	1910	21.27	21.23	21.29
		1882.5	21.27	21.18	21.21
		1855	21.29	21.31	21.29
	50RB (0)	1910	21.32	21.30	21.30
		1882.5	21.26	21.19	21.21
		1855	21.18	21.39	21.32
15 MHz	1RB High (74)	1907.5	21.11	21.42	21.48
		1882.5	21.20	21.43	21.33
		1857.5	21.20	21.43	21.50
	1RB Middle (37)	1907.5	21.07	21.42	21.23
		1882.5	21.05	21.41	21.34
		1857.5	21.25	21.43	21.37
	1RB Low (0)	1907.5	21.20	21.41	21.27
		1882.5	21.19	21.42	21.30
		1857.5	21.18	21.40	21.29
	36RB High (38)	1907.5	21.22	21.32	21.32
		1882.5	21.22	21.21	21.22
		1857.5	21.35	21.29	21.33
	36RB Middle (19)	1907.5	21.24	21.16	21.22
		1882.5	21.27	21.29	21.30
		1857.5	21.33	21.27	21.50
	36RB Low (0)	1907.5	20.93	21.21	21.19
		1882.5	21.20	21.22	21.22
		1857.5	21.44	21.24	21.24
	75RB (0)	1907.5	21.30	21.27	21.17
		1882.5	21.18	21.30	21.30
		1857.5	21.37	21.38	21.28
20 MHz	1RB High (99)	1905	20.57	20.75	20.82
		1882.5	20.69	20.88	20.78
		1860	20.60	20.98	20.63
	1RB Middle (50)	1905	20.91	21.22	20.93
		1882.5	20.90	21.35	21.06
		1860	20.84	21.33	20.83
	1RB Low (0)	1905	20.83	21.10	20.97
		1882.5	20.90	21.23	21.07
		1860	20.94	21.20	21.16
	50RB High (50)	1905	20.74	20.92	20.88
		1882.5	20.86	20.85	20.76
		1860	20.93	20.95	20.96

	50RB Middle (25)	1905	20.89	21.16	20.84
		1882.5	20.90	20.89	20.96
		1860	20.89	21.02	20.94
	50RB Low (0)	1905	20.97	20.88	20.90
		1882.5	20.93	21.02	20.91
		1860	21.08	20.79	20.80
	100RB (0)	1905	20.92	20.93	20.96
		1882.5	20.82	20.90	20.91
		1860	20.94	20.94	20.85

LTEB41					
BANDWIDTH	Number of RBs	Frequency	QPSK	16QAM	64QAM
5MHz	1RB-High (24)	2652.5 (41215)	15.35	15.19	14.79
		2613.5 (40825)	15.04	15.06	14.63
		2575.5(40445)	15.32	15.23	14.76
		2537.5 (40065)	14.80	14.90	14.44
	1RB-Middle (12)	2652.5 (41215)	15.34	15.30	14.74
		2613.5 (40825)	15.13	15.22	14.69
		2575.5(40445)	15.29	15.23	14.59
		2537.5 (40065)	14.78	14.94	14.38
	1RB-Low (0)	2652.5 (41215)	15.38	15.33	14.92
		2613.5 (40825)	15.33	15.23	14.96
		2575.5(40445)	15.32	15.39	14.80
		2537.5 (40065)	15.01	15.00	14.57
	12RB-High (13)	2652.5 (41215)	15.20	15.19	15.33
		2613.5 (40825)	15.04	14.98	15.14
		2575.5(40445)	15.16	15.07	15.21
		2537.5 (40065)	14.89	14.82	14.86
	12RB-Middle (6)	2652.5 (41215)	15.27	15.15	15.28
		2613.5 (40825)	15.24	15.12	15.27
		2575.5(40445)	15.21	15.17	15.29
		2537.5 (40065)	14.92	14.78	14.92
	12RB-Low (0)	2652.5 (41215)	15.23	15.22	15.30
		2613.5 (40825)	15.20	15.12	15.20
		2575.5(40445)	15.29	15.25	15.29
		2537.5 (40065)	14.93	14.86	14.95
	25RB (0)	2652.5 (41215)	15.24	15.25	15.32
		2613.5 (40825)	15.23	15.20	15.21
		2575.5(40445)	15.17	15.20	15.26
		2537.5 (40065)	14.94	14.88	14.90
10MHz	1RB-High (49)	2650 (41190)	15.55	15.36	14.92
		2612 (40810)	15.25	15.32	14.86

		2576(40450)	15.36	15.45	14.95
		2540 (40090)	15.00	15.05	14.55
	1RB-Middle (24)	2650 (41190)	15.24	15.23	14.71
		2612 (40810)	15.18	15.23	14.60
		2576(40450)	15.23	15.26	14.69
		2540 (40090)	14.80	14.98	14.49
	1RB-Low (0)	2650 (41190)	15.38	15.41	15.03
		2612 (40810)	15.55	15.45	15.17
		2576(40450)	15.49	15.48	15.20
		2540 (40090)	15.23	15.16	14.88
	25RB-High (25)	2650 (41190)	15.28	15.25	15.33
		2612 (40810)	15.08	15.08	15.11
		2576(40450)	15.26	15.16	15.33
		2540 (40090)	14.86	14.86	14.92
	25RB-Middle (12)	2650 (41190)	15.25	15.16	15.28
		2612 (40810)	15.26	15.16	15.20
		2576(40450)	15.26	15.21	15.27
		2540 (40090)	14.93	14.95	14.93
	25RB-Low (0)	2650 (41190)	15.20	15.21	15.28
		2612 (40810)	15.28	15.30	15.25
		2576(40450)	15.20	15.23	15.26
		2540 (40090)	15.01	15.06	15.00
	50RB (0)	2650 (41190)	15.17	15.33	15.26
		2612 (40810)	15.17	15.21	15.18
		2576(40450)	15.28	15.24	15.28
		2540 (40090)	14.86	14.98	14.92
15MHz	1RB-High (74)	2647.5 (41165)	14.62	14.54	14.18
		2612.5 (40815)	14.60	14.45	14.08
		2577.5(40465)	14.68	14.73	14.15
		2542.5 (40115)	14.50	14.48	14.05
	1RB-Middle (37)	2647.5 (41165)	15.44	15.55	15.02
		2612.5 (40815)	15.42	15.47	15.04
		2577.5(40465)	15.53	15.53	15.14
		2542.5 (40115)	15.18	15.35	14.95
	1RB-Low (0)	2647.5 (41165)	14.93	15.05	14.70
		2612.5 (40815)	15.21	15.24	14.62
		2577.5(40465)	15.10	15.15	14.51
		2542.5 (40115)	14.94	14.98	14.43
	36RB-High (38)	2647.5 (41165)	15.14	15.06	15.11
		2612.5 (40815)	15.01	14.90	14.90
		2577.5(40465)	15.30	15.23	15.26
		2542.5 (40115)	14.84	14.89	14.89

	36RB-Middle (19)	2647.5 (41165)	15.52	15.44	15.48
		2612.5 (40815)	15.36	15.37	15.35
		2577.5(40465)	15.61	15.43	15.52
		2542.5 (40115)	15.33	15.17	15.09
	36RB-Low (0)	2647.5 (41165)	15.48	15.55	15.43
		2612.5 (40815)	15.40	15.43	15.39
		2577.5(40465)	15.53	15.62	15.50
		2542.5 (40115)	15.30	15.23	15.33
	75RB (0)	2647.5 (41165)	15.47	15.39	15.32
		2612.5 (40815)	15.26	15.30	15.16
		2577.5(40465)	15.50	15.44	15.44
		2542.5 (40115)	15.06	15.18	15.06
20MHz	1RB-High (99)	2645 (41140)	14.93	14.94	14.51
		2611 (40800)	15.30	15.20	14.88
		2578 (40470)	15.55	15.37	15.14
		2545 (40140)	15.23	15.27	14.80
	1RB-Middle (50)	2645 (41140)	15.49	15.59	15.10
		2611 (40800)	15.53	15.55	14.91
		2578 (40470)	15.51	15.67	15.02
		2545 (40140)	15.24	15.39	14.94
	1RB-Low (0)	2645 (41140)	15.44	15.46	15.11
		2611 (40800)	15.72	15.62	15.16
		2578 (40470)	15.59	15.51	15.03
		2545 (40140)	15.43	15.38	14.85
	50RB-High (50)	2645 (41140)	15.62	15.52	15.50
		2611 (40800)	15.35	15.42	15.27
		2578 (40470)	15.59	15.61	15.54
		2545 (40140)	15.17	15.19	15.13
	50RB-Middle (25)	2645 (41140)	15.60	15.55	15.52
		2611 (40800)	15.48	15.47	15.44
		2578 (40470)	15.56	15.49	15.52
		2545 (40140)	15.24	15.26	15.16
	50RB-Low (0)	2645 (41140)	15.38	15.37	15.33
		2611 (40800)	15.44	15.52	15.43
		2578 (40470)	15.51	15.59	15.46
		2545 (40140)	15.31	15.37	15.33
	100RB (0)	2645 (41140)	15.58	15.53	15.60
		2611 (40800)	15.54	15.49	15.43
		2578 (40470)	15.58	15.60	15.47
		2545 (40140)	15.27	15.28	15.27

Band 66					
Bandwidth (MHz)	RB allocation	Frequency (MHz)	QPSK	16QAM	64QAM
	RB offset (Start RB)		Actual output power (dBm)	Actual output power (dBm)	Actual output power (dBm)
1.4 MHz	1RB High (5)	1779.3	22.43	22.64	22.54
		1745	22.33	22.79	22.43
		1710.7	22.27	22.92	22.32
	1RB Middle (3)	1779.3	22.43	22.68	22.64
		1745	22.38	22.60	22.43
		1710.7	22.40	22.49	22.58
	1RB Low (0)	1779.3	22.40	22.96	22.89
		1745	22.23	22.47	22.36
		1710.7	22.11	22.56	22.68
	3RB High (3)	1779.3	22.51	22.41	22.44
		1745	22.37	22.19	22.43
		1710.7	22.23	22.22	22.24
	3RB Middle (1)	1779.3	22.43	22.40	22.41
		1745	22.39	22.25	22.41
		1710.7	22.16	22.00	22.18
	3RB Low (0)	1779.3	22.52	22.38	22.44
		1745	22.25	22.27	22.44
		1710.7	22.39	22.31	22.50
	6RB (0)	1779.3	22.48	22.27	22.42
		1745	22.19	22.48	21.27
		1710.7	22.14	22.35	21.00
3 MHz	1RB High (14)	1778.5	22.41	22.97	22.49
		1745	22.23	22.98	22.56
		1711.5	22.17	22.96	22.33
	1RB Middle (7)	1778.5	22.36	22.70	22.53
		1745	22.39	22.79	22.54
		1711.5	22.47	22.40	22.43
	1RB Low (0)	1778.5	22.35	22.72	22.56
		1745	22.24	22.82	22.39
		1711.5	22.39	22.61	22.58
	8RB High (7)	1778.5	22.47	22.51	22.51
		1745	22.45	22.24	21.65
		1711.5	22.28	22.43	21.47
	8RB Middle (4)	1778.5	22.46	22.54	22.51
		1745	22.39	22.37	21.42
		1711.5	22.32	22.25	21.36
	8RB Low (0)	1778.5	22.43	22.49	22.55
		1745	22.26	22.41	21.49
		1711.5	22.33	22.58	21.23
	15RB (0)	1778.5	22.43	22.50	22.46
		1745	22.37	22.48	21.46