

Tune Up Procedure

Tune-up procedure

During manufacturing each Device is individually calibrated. Measurement is performed in a fully calibrated setup using an Agilent 8960 base station simulator (system tester). Measurement procedure is outlined below:

Measurement Procedure:

1. Set the device to nominal operating voltage and on a predefined channel in a special test mode.
2. The actual output power is measured at several power levels.
3. The gain factors of each individual device are adjusted until the target value is met.

The appropriate gain control settings for each output power level are stored in each device individually.

The user has no possibility to change these settings.

4. The maximum gains of each individual device are adjusted and measured until the target value is met. The production target power with tolerance compiles with the maximum power in test report.

Target Value is Average Output Power Value

GSM850

	Tune up Power tolerant (dBm)
GPRS 1 slots	29±1
GPRS 2 slots	29±1
GPRS 3 slots	28±1
GPRS 4 slots	26±1
EGPRS 1 slots	26±1
EGPRS 2 slots	24±1
EGPRS 3 slots	22±1
EGPRS 4 slots	19.5±1

PCS1900

	Tune up Power tolerant (dBm)
GPRS 1 slots	29±1
GPRS 2 slots	27±1
GPRS 3 slots	25.5±1
GPRS 4 slots	23.5±1
EGPRS 1 slots	26±1
EGPRS 2 slots	25.5±1
EGPRS 3 slots	25.5±1
EGPRS 4 slots	23.5±1

WCDMA Band II

	Tune up Power tolerant (dBm)
RMC 12.2k	22.5±1
HSDPA Subtest-1	22.5±1
HSDPA Subtest-2	22.5±1
HSDPA Subtest-3	22.5±1
HSDPA Subtest-4	22.5±1
HSUPA Subtest-1	20±1
HSUPA Subtest-2	21±1
HSUPA Subtest-3	21±1
HSUPA Subtest-4	21±1
HSUPA Subtest-5	22.5±1

WCDMA Band IV

	Tune up Power tolerant (dBm)
RMC 12.2k	22.5±1
HSDPA Subtest-1	22.5±1
HSDPA Subtest-2	22.5±1
HSDPA Subtest-3	22.5±1
HSDPA Subtest-4	22.5±1
HSUPA Subtest-1	19±1
HSUPA Subtest-2	19±1
HSUPA Subtest-3	19±1
HSUPA Subtest-4	19±1
HSUPA Subtest-5	21±1

WCDMA Band V

	Tune up Power tolerant (dBm)
RMC 12.2k	22.5±1
HSDPA Subtest-1	22.5±1
HSDPA Subtest-2	22.5±1
HSDPA Subtest-3	22.5±1
HSDPA Subtest-4	22.5±1
HSUPA Subtest-1	21±1
HSUPA Subtest-2	21.5±1
HSUPA Subtest-3	21.5±1
HSUPA Subtest-4	20.5±1
HSUPA Subtest-5	22±1

LTE Band 2:

BW(MHz)	Ch.	Freq(MHz)	Mode	UL RB Allocation	UL RB Offset	Tune up limited(dBm)
1.4MHz	18607	1850.7	QPSK	1	0	21.5±1
				1	2	21.5±1
				1	5	21.5±1
				3	0	21.5±1
				3	1	21.5±1
				3	2	21.5±1
				6	0	21.5±1
			16QAM	1	0	20.5±1
				1	2	20.5±1
				1	5	20.5±1
				3	0	20.5±1
				3	1	20.5±1
				3	2	20.5±1
				6	0	20.5±1
	18900	1880	QPSK	1	0	21.5±1
				1	2	21.5±1
				1	5	21.5±1
				3	0	21.5±1
				3	1	21.5±1
				3	2	21.5±1
				6	0	21.5±1
			16QAM	1	0	20.5±1
				1	2	20.5±1
				1	5	20.5±1
				3	0	20.5±1
				3	1	20.5±1
				3	2	20.5±1
				6	0	20.5±1
	19193	1909.3	QPSK	1	0	21.5±1
				1	2	21.5±1
				1	5	21.5±1
				3	0	21.5±1
				3	1	21.5±1
				3	2	21.5±1
				6	0	21.5±1
			16QAM	1	0	20.5±1
				1	2	20.5±1
				1	5	20.5±1
				3	0	20.5±1
				3	1	20.5±1
				3	2	20.5±1
				6	0	20.5±1

BW(MHz)	Ch	Freq(MHz)	Mode	UL RB Allocation	UL RB Offset	Tune up limited(dBm)
3MHz	18615	1851.5	QPSK	1	0	21.5±1
				1	8	21.5±1
				1	14	21.5±1
				6	0	21.5±1
				6	4	21.5±1
				6	9	21.5±1
				15	0	21.5±1
			16QAM	1	0	20.0±1
				1	8	20.0±1
				1	14	20.0±1
				6	0	20.0±1
				6	4	20.0±1
				6	9	20.0±1
				15	0	20.0±1
	18900	1880	QPSK	1	0	21.5±1
				1	8	21.5±1
				1	14	21.5±1
				6	0	21.5±1
				6	4	21.5±1
				6	9	21.5±1
				15	0	21.5±1
			16QAM	1	0	20.0±1
				1	8	20.0±1
				1	14	20.0±1
				6	0	20.0±1
				6	4	20.0±1
				6	9	20.0±1
				15	0	20.0±1
	19185	1908.5	QPSK	1	0	21.5±1
				1	8	21.5±1
				1	14	21.5±1
				6	0	21.5±1
				6	4	21.5±1
				6	9	21.5±1
				15	0	21.5±1
			16QAM	1	0	20.0±1
				1	8	20.0±1
				1	14	20.0±1
				6	0	20.0±1
				6	4	20.0±1
				6	9	20.0±1
				15	0	20.0±1

BW(MHz)	Ch	Freq(MHz)	Mode	UL RB Allocation	UL RB Offset	Tune up limited(dBm)
5MHz	18625	1852.5	QPSK	1	0	21.0±1
				1	12	21.0±1
				1	24	21.0±1
				12	0	21.0±1
				12	6	21.0±1
				12	11	21.0±1
				25	0	21.0±1
			16QAM	1	0	20.0±1
				1	12	20.0±1
				1	24	20.0±1
				12	0	20.0±1
				12	6	20.0±1
				12	11	20.0±1
				25	0	20.0±1
	18900	1880	QPSK	1	0	21.0±1
				1	12	21.0±1
				1	24	21.0±1
				12	0	21.0±1
				12	6	21.0±1
				12	11	21.0±1
				25	0	21.0±1
			16QAM	1	0	20.0±1
				1	12	20.0±1
				1	24	20.0±1
				12	0	20.0±1
				12	6	20.0±1
				12	11	20.0±1
				25	0	20.0±1
	19175	1907.5	QPSK	1	0	21.0±1
				1	12	21.0±1
				1	24	21.0±1
				12	0	21.0±1
				12	6	21.0±1
				12	11	21.0±1
				25	0	21.0±1
			16QAM	1	0	20.0±1
				1	12	20.0±1
				1	24	20.0±1
				12	0	20.0±1
				12	6	20.0±1
				12	11	20.0±1
				25	0	20.0±1

BW(MHz)	Ch	Freq(MHz)	Mode	UL RB Allocation	UL RB Offset	Tune up limited(dBm)
10MHz	18650	1855	QPSK	1	0	21.0±1
				1	24	21.0±1
				1	49	21.0±1
				25	0	21.0±1
				25	12	21.0±1
				25	24	21.0±1
				50	0	21.0±1
			16QAM	1	0	20.0±1
				1	24	20.0±1
				1	49	20.0±1
				25	0	20.0±1
				25	12	20.0±1
				25	24	20.0±1
				50	0	20.0±1
	18900	1880	QPSK	1	0	21.0±1
				1	24	21.0±1
				1	49	21.0±1
				25	0	21.0±1
				25	12	21.0±1
				25	24	21.0±1
				50	0	21.0±1
			16QAM	1	0	20.0±1
				1	24	20.0±1
				1	49	20.0±1
				25	0	20.0±1
				25	12	20.0±1
				25	24	20.0±1
				50	0	20.0±1
	19150	1905	QPSK	1	0	21.0±1
				1	24	21.0±1
				1	49	21.0±1
				25	0	21.0±1
				25	12	21.0±1
				25	24	21.0±1
				50	0	21.0±1
			16QAM	1	0	20.0±1
				1	24	20.0±1
				1	49	20.0±1
				25	0	20.0±1
				25	12	20.0±1
				25	24	20.0±1
				50	0	20.0±1

BW(MHz)	Ch	Freq(MHz)	Mode	UL RB Allocation	UL RB Offset	Tune up limited(dBm)
15MHz	18675	1857.5	QPSK	1	0	21.0±1
				1	37	21.0±1
				1	74	21.0±1
				36	0	21.0±1
				36	16	21.0±1
				36	35	21.0±1
				75	0	21.0±1
			16QAM	1	0	20.5±1
				1	37	20.5±1
				1	74	20.5±1
				36	0	20.5±1
				36	16	20.5±1
				36	35	20.5±1
				75	0	20.5±1
	18900	1880	QPSK	1	0	21.0±1
				1	37	21.0±1
				1	74	21.0±1
				36	0	21.0±1
				36	16	21.0±1
				36	35	21.0±1
				75	0	21.0±1
			16QAM	1	0	20.5±1
				1	37	20.5±1
				1	74	20.5±1
				36	0	20.5±1
				36	16	20.5±1
				36	35	20.5±1
				75	0	20.5±1
	19125	1902.5	QPSK	1	0	21.0±1
				1	37	21.0±1
				1	74	21.0±1
				36	0	21.0±1
				36	16	21.0±1
				36	35	21.0±1
				75	0	21.0±1
			16QAM	1	0	20.5±1
				1	37	20.5±1
				1	74	20.5±1
				36	0	20.5±1
				36	16	20.5±1
				36	35	20.5±1
				75	0	20.5±1

BW(MHz)	Ch	Freq(MHz)	Mode	UL RB Allocation	UL RB Offset	Tune up limited(dBm)
20MHz	18700	1860	QPSK	1	0	21.0±1
				1	49	21.0±1
				1	99	21.0±1
				50	0	21.0±1
				50	24	21.0±1
				50	49	21.0±1
				100	0	20.5±1
			16QAM	1	0	20.5±1
				1	49	20.5±1
				1	99	20.5±1
				50	0	20.5±1
				50	24	20.5±1
				50	49	20.5±1
				100	0	20.5±1
	18900	1880	QPSK	1	0	21.0±1
				1	49	21.0±1
				1	99	21.0±1
				50	0	21.0±1
				50	24	21.0±1
				50	49	21.0±1
				100	0	21.0±1
			16QAM	1	0	20.5±1
				1	49	20.5±1
				1	99	21.0±1
				50	0	20.5±1
				50	24	20.5±1
				50	49	20.5±1
				100	0	20.5±1
	19100	1900	QPSK	1	0	21.0±1
				1	49	21.0±1
				1	99	21.0±1
				50	0	21.0±1
				50	24	21.0±1
				50	49	21.0±1
				100	0	21.0±1
			16QAM	1	0	20.0±1
				1	49	20.0±1
				1	99	21.0±1
				50	0	20.0±1
				50	24	20.0±1
				50	49	20.0±1
				100	0	20.0±1

LTE Band 4:

BW(MHz)	Ch.	Freq(MHz)	Mode	UL RB Allocation	UL RB Offset	Tune up limited(dBm)
1.4MHz	19957	1710.7	QPSK	1	0	23.0±1
				1	2	23.0±1
				1	5	23.0±1
				3	0	23.0±1
				3	1	23.0±1
				3	2	23.0±1
				6	0	23.0±1
			16QAM	1	0	22.0±1
				1	2	22.0±1
				1	5	22.0±1
				3	0	22.0±1
				3	1	22.0±1
				3	2	22.0±1
				6	0	22.0±1
	20175	1732.5	QPSK	1	0	23.0±1
				1	2	23.0±1
				1	5	23.0±1
				3	0	23.0±1
				3	1	23.0±1
				3	2	23.0±1
				6	0	23.0±1
			16QAM	1	0	22.0±1
				1	2	22.0±1
				1	5	22.0±1
				3	0	22.0±1
				3	1	22.0±1
				3	2	22.0±1
				6	0	22.0±1
	20393	1754.3	QPSK	1	0	23.0±1
				1	2	23.0±1
				1	5	23.0±1
				3	0	23.0±1
				3	1	23.0±1
				3	2	23.0±1
				6	0	23.0±1
			16QAM	1	0	22.0±1
				1	2	22.0±1
				1	5	22.0±1
				3	0	22.0±1
				3	1	22.0±1
				3	2	22.0±1
				6	0	22.0±1

BW(MHz)	Ch	Freq(MHz)	Mode	UL RB Allocation	UL RB Offset	Tune up limited(dBm)
3MHz	19965	1711.5	QPSK	1	0	23.0±1
				1	8	23.0±1
				1	14	23.0±1
				6	0	23.0±1
				6	4	23.0±1
				6	9	23.0±1
				15	0	23.0±1
			16QAM	1	0	22.0±1
				1	8	22.0±1
				1	14	22.0±1
				8	0	22.0±1
				8	4	22.0±1
				8	9	22.0±1
				15	0	22.0±1
	20175	1732.5	QPSK	1	0	22.0±1
				1	8	22.0±1
				1	14	22.0±1
				6	0	22.0±1
				6	4	22.0±1
				6	9	22.0±1
				15	0	22.0±1
			16QAM	1	0	22.0±1
				1	8	22.0±1
				1	14	22.0±1
				6	0	22.0±1
				6	4	22.0±1
				6	9	22.0±1
				15	0	22.0±1
	20385	1753.5	QPSK	1	0	22.0±1
				1	8	22.0±1
				1	14	22.0±1
				6	0	22.0±1
				6	4	22.0±1
				6	9	22.0±1
				15	0	22.0±1
			16QAM	1	0	22.0±1
				1	8	22.0±1
				1	14	22.0±1
				8	0	22.0±1
				8	4	22.0±1
				8	9	22.0±1
				15	0	21.0±1

BW(MHz)	Ch	Freq(MHz)	Mode	UL RB Allocation	UL RB Offset	Tune up limited(dBm)
5MHz	19975	1712.5	QPSK	1	0	23.0±1
				1	49	23.0±1
				1	99	23.0±1
				12	0	23.0±1
				12	24	23.0±1
				12	49	23.0±1
				25	0	23.0±1
			16QAM	1	0	22.0±1
				1	49	22.0±1
				1	99	22.0±1
				12	0	22.0±1
				12	24	22.0±1
				12	49	22.0±1
				25	0	22.0±1
	20175	1732.5	QPSK	1	0	23.0±1
				1	49	23.0±1
				1	99	23.0±1
				12	0	23.0±1
				12	24	23.0±1
				12	49	23.0±1
				25	0	23.0±1
			16QAM	1	0	22.0±1
				1	49	22.0±1
				1	99	22.0±1
				12	0	22.0±1
				12	24	22.0±1
				12	49	22.0±1
				25	0	22.0±1
	20375	1752.5	QPSK	1	0	23.0±1
				1	49	23.0±1
				1	99	23.0±1
				12	0	23.0±1
				12	24	23.0±1
				12	49	23.0±1
				25	0	23.0±1
			16QAM	1	0	22.0±1
				1	49	22.0±1
				1	99	22.0±1
				12	0	22.0±1
				12	24	22.0±1
				12	49	22.0±1
				25	0	22.0±1

BW(MHz)	Ch	Freq(MHz)	Mode	UL RB Allocation	UL RB Offset	Tune up limited(dBm)
10MHz	20000	1715	QPSK	1	0	23.0±1
				1	49	23.0±1
				1	99	23.0±1
				25	0	23.0±1
				25	24	23.0±1
				25	49	23.0±1
				50	0	23.0±1
			16QAM	1	0	22.0±1
				1	49	22.0±1
				1	99	22.0±1
				25	0	22.0±1
				25	24	22.0±1
				25	49	22.0±1
				50	0	22.0±1
	20175	1732.5	QPSK	1	0	23.0±1
				1	49	23.0±1
				1	99	23.0±1
				25	0	23.0±1
				25	24	23.0±1
				25	49	23.0±1
				50	0	23.0±1
			16QAM	1	0	22.0±1
				1	49	22.0±1
				1	99	22.0±1
				25	0	22.0±1
				25	24	22.0±1
				25	49	22.0±1
				50	0	22.0±1
	20350	1750	QPSK	1	0	23.0±1
				1	49	23.0±1
				1	99	23.0±1
				25	0	23.0±1
				25	24	23.0±1
				25	49	23.0±1
				50	0	23.0±1
			16QAM	1	0	22.0±1
				1	49	22.0±1
				1	99	22.0±1
				25	0	22.0±1
				25	24	22.0±1
				25	49	22.0±1
				50	0	22.0±1

BW(MHz)	Ch	Freq(MHz)	Mode	UL RB Allocation	UL RB Offset	Tune up limited(dBm)
15MHz	20025	1717.5	QPSK	1	0	23.0±1
				1	49	23.0±1
				1	99	23.0±1
				36	0	23.0±1
				36	24	23.0±1
				36	49	23.0±1
				75	0	23.0±1
			16QAM	1	0	22.0±1
				1	49	22.0±1
				1	99	22.0±1
				36	0	22.0±1
				36	24	22.0±1
				36	49	22.0±1
				75	0	22.0±1
	20175	1732.5	QPSK	1	0	23.0±1
				1	49	23.0±1
				1	99	23.0±1
				36	0	23.0±1
				36	24	23.0±1
				36	49	23.0±1
				75	0	23.0±1
			16QAM	1	0	22.0±1
				1	49	22.0±1
				1	99	22.0±1
				36	0	22.0±1
				36	24	22.0±1
				36	49	22.0±1
				75	0	22.0±1
	20325	1747.5	QPSK	1	0	23.0±1
				1	49	23.0±1
				1	99	23.0±1
				36	0	23.0±1
				36	24	23.0±1
				36	49	23.0±1
				75	0	23.0±1
			16QAM	1	0	22.0±1
				1	49	22.0±1
				1	99	22.0±1
				36	0	22.0±1
				36	24	22.0±1
				36	49	22.0±1
				75	0	22.0±1

BW(MHz)	Ch	Freq(MHz)	Mode	UL RB Allocation	UL RB Offset	Tune up limited(dBm)
20MHz	20050	1720	QPSK	1	0	23.0±1
				1	49	23.0±1
				1	99	23.0±1
				50	0	23.0±1
				50	24	23.0±1
				50	49	23.0±1
				100	0	23.0±1
			16QAM	1	0	22.0±1
				1	49	22.0±1
				1	99	22.0±1
				50	0	22.0±1
				50	24	22.0±1
				50	49	22.0±1
				100	0	22.0±1
	20175	1732.5	QPSK	1	0	23.0±1
				1	49	23.0±1
				1	99	23.0±1
				50	0	23.0±1
				50	24	23.0±1
				50	49	23.0±1
				100	0	23.0±1
			16QAM	1	0	22.0±1
				1	49	22.0±1
				1	99	22.0±1
				50	0	22.0±1
				50	24	22.0±1
				50	49	22.0±1
				100	0	22.0±1
	20300	1745	QPSK	1	0	23.0±1
				1	49	23.0±1
				1	99	23.0±1
				50	0	23.0±1
				50	24	23.0±1
				50	49	23.0±1
				100	0	23.0±1
			16QAM	1	0	22.0±1
				1	49	22.0±1
				1	99	22.0±1
				50	0	22.0±1
				50	24	22.0±1
				50	49	22.0±1
				100	0	22.0±1

LTE Band 5:

BW(MHz)	Ch	Freq(MHz)	Mode	UL RB Allocation	UL RB Offset	Tune up limited(dBm)
1.4MHz	20407	824.7	QPSK	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				12	0	22.0±2
				12	24	22.0±2
				12	49	22.0±2
				25	0	22.0±2
			16QAM	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				12	0	22.0±2
				12	24	22.0±2
				12	49	22.0±2
				25	0	22.0±2
	20525	836.5	QPSK	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				12	0	22.0±2
				12	24	22.0±2
				12	49	22.0±2
				25	0	22.0±2
			16QAM	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				12	0	22.0±2
				12	24	22.0±2
				12	49	22.0±2
				25	0	22.0±2
	20643	848.3	QPSK	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				12	0	22.0±2
				12	24	22.0±2
				12	49	22.0±2
				25	0	22.0±2
			16QAM	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				12	0	22.0±2
				12	24	22.0±2
				12	49	22.0±2
				25	0	22.0±2

BW(MHz)	Ch	Freq(MHz)	Mode	UL RB Allocation	UL RB Offset	Tune up limited(dBm)
3MHz	20415	825.5	QPSK	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				25	0	22.0±2
				25	24	22.0±2
				25	49	22.0±2
				50	0	22.0±2
			16QAM	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				25	0	22.0±2
				25	24	22.0±2
				25	49	22.0±2
				50	0	22.0±2
	20525	836.5	QPSK	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				25	0	22.0±2
				25	24	22.0±2
				25	49	22.0±2
				50	0	22.0±2
			16QAM	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				25	0	22.0±2
				25	24	22.0±2
				25	49	22.0±2
				50	0	22.0±2
	20635	847.5	QPSK	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				25	0	22.0±2
				25	24	22.0±2
				25	49	22.0±2
				50	0	22.0±2
			16QAM	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				25	0	22.0±2
				25	24	22.0±2
				25	49	22.0±2
				50	0	22.0±2

BW(MHz)	Ch	Freq(MHz)	Mode	UL RB Allocation	UL RB Offset	Tune up limited(dBm)
5MHz	20425	826.5	QPSK	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				36	0	22.0±2
				36	24	22.0±2
				36	49	22.0±2
				75	0	22.0±2
			16QAM	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				36	0	22.0±2
				36	24	22.0±2
				36	49	22.0±2
				75	0	22.0±2
	20525	836.5	QPSK	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				36	0	22.0±2
				36	24	22.0±2
				36	49	22.0±2
				75	0	22.0±2
			16QAM	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				36	0	22.0±2
				36	24	22.0±2
				36	49	22.0±2
				75	0	22.0±2
	20625	846.5	QPSK	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				36	0	22.0±2
				36	24	22.0±2
				36	49	22.0±2
				75	0	22.0±2
			16QAM	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				36	0	22.0±2
				36	24	22.0±2
				36	49	22.0±2
				75	0	22.0±2

BW(MHz)	Ch	Freq(MHz)	Mode	UL RB Allocation	UL RB Offset	Tune up limited(dBm)
10MHz	20450	829	QPSK	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				50	0	22.0±2
				50	24	22.0±2
				50	49	22.0±2
				100	0	22.0±2
			16QAM	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				50	0	22.0±2
				50	24	22.0±2
				50	49	22.0±2
				100	0	22.0±2
	20525	836.5	QPSK	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				50	0	22.0±2
				50	24	22.0±2
				50	49	22.0±2
				100	0	22.0±2
			16QAM	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				50	0	22.0±2
				50	24	22.0±2
				50	49	22.0±2
				100	0	22.0±2
	20600	844	QPSK	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				50	0	22.0±2
				50	24	22.0±2
				50	49	22.0±2
				100	0	22.0±2
			16QAM	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				50	0	22.0±2
				50	24	22.0±2
				50	49	22.0±2
				100	0	22.0±2

LTE Band 7:

BW(MHz)	Ch	Freq(MHz)	Mode	UL RB Allocation	UL RB Offset	Tune up limited(dBm)
5MHz	20775	2502.5	QPSK	1	0	21.0±2
				1	49	21.0±2
				1	99	21.0±2
				12	0	21.0±2
				12	24	21.0±2
				12	49	21.0±2
				25	0	21.0±2
			16QAM	1	0	21.0±2
				1	49	21.0±2
				1	99	21.0±2
				12	0	21.0±2
				12	24	21.0±2
				12	49	21.0±2
				25	0	21.0±2
	21100	2535	QPSK	1	0	21.0±2
				1	49	21.0±2
				1	99	21.0±2
				12	0	21.0±2
				12	24	21.0±2
				12	49	21.0±2
				25	0	21.0±2
			16QAM	1	0	21.0±2
				1	49	21.0±2
				1	99	21.0±2
				12	0	21.0±2
				12	24	21.0±2
				12	49	21.0±2
				25	0	21.0±2
	21425	2567.5	QPSK	1	0	21.0±2
				1	49	21.0±2
				1	99	21.0±2
				12	0	21.0±2
				12	24	21.0±2
				12	49	21.0±2
				25	0	21.0±2
			16QAM	1	0	21.0±2
				1	49	21.0±2
				1	99	21.0±2
				12	0	21.0±2
				12	24	21.0±2
				12	49	21.0±2
				25	0	21.0±2

BW(MHz)	Ch	Freq(MHz)	Mode	UL RB Allocation	UL RB Offset	Tune up limited(dBm)
10MHz	20800	2505	QPSK	1	0	21.0±2
				1	49	21.0±2
				1	99	21.0±2
				25	0	21.0±2
				25	24	21.0±2
				25	49	21.0±2
				50	0	21.0±2
			16QAM	1	0	21.0±2
				1	49	21.0±2
				1	99	21.0±2
				25	0	21.0±2
				25	24	21.0±2
				25	49	21.0±2
				50	0	21.0±2
	21100	2535	QPSK	1	0	21.0±2
				1	49	21.0±2
				1	99	21.0±2
				25	0	21.0±2
				25	24	21.0±2
				25	49	21.0±2
				50	0	21.0±2
			16QAM	1	0	21.0±2
				1	49	21.0±2
				1	99	21.0±2
				25	0	21.0±2
				25	24	21.0±2
				25	49	21.0±2
				50	0	21.0±2
	21400	2565	QPSK	1	0	21.0±2
				1	49	21.0±2
				1	99	21.0±2
				25	0	21.0±2
				25	24	21.0±2
				25	49	21.0±2
				50	0	21.0±2
			16QAM	1	0	21.0±2
				1	49	21.0±2
				1	99	21.0±2
				25	0	21.0±2
				25	24	21.0±2
				25	49	21.0±2
				50	0	21.0±2

BW(MHz)	Ch	Freq(MHz)	Mode	UL RB Allocation	UL RB Offset	Tune up limited(dBm)
15MHz	20825	2507.5	QPSK	1	0	21.0±2
				1	49	21.0±2
				1	99	21.0±2
				36	0	21.0±2
				36	24	21.0±2
				36	49	21.0±2
				75	0	21.0±2
			16QAM	1	0	21.0±2
				1	49	21.0±2
				1	99	21.0±2
				36	0	21.0±2
				36	24	21.0±2
				36	49	21.0±2
				75	0	21.0±2
	21100	2535	QPSK	1	0	21.0±2
				1	49	21.0±2
				1	99	21.0±2
				36	0	21.0±2
				36	24	21.0±2
				36	49	21.0±2
				75	0	21.0±2
			16QAM	1	0	21.0±2
				1	49	21.0±2
				1	99	21.0±2
				36	0	21.0±2
				36	24	21.0±2
				36	49	21.0±2
				75	0	21.0±2
	21375	2562.5	QPSK	1	0	21.0±2
				1	49	21.0±2
				1	99	21.0±2
				36	0	21.0±2
				36	24	21.0±2
				36	49	21.0±2
				75	0	21.0±2
			16QAM	1	0	21.0±2
				1	49	21.0±2
				1	99	21.0±2
				36	0	21.0±2
				36	24	21.0±2
				36	49	21.0±2
				75	0	21.0±2

BW(MHz)	Ch	Freq(MHz)	Mode	UL RB Allocation	UL RB Offset	Tune up limited(dBm)
20MHz	20850	2510	QPSK	1	0	21.0±2
				1	49	21.0±2
				1	99	21.0±2
				50	0	21.0±2
				50	24	21.0±2
				50	49	21.0±2
				100	0	21.0±2
			16QAM	1	0	21.0±2
				1	49	21.0±2
				1	99	21.0±2
				50	0	21.0±2
				50	24	21.0±2
				50	49	21.0±2
				100	0	21.0±2
	21100	2535	QPSK	1	0	21.0±2
				1	49	21.0±2
				1	99	21.0±2
				50	0	21.0±2
				50	24	21.0±2
				50	49	21.0±2
				100	0	21.0±2
			16QAM	1	0	21.0±2
				1	49	21.0±2
				1	99	21.0±2
				50	0	21.0±2
				50	24	21.0±2
				50	49	21.0±2
				100	0	21.0±2
	21350	2560	QPSK	1	0	21.0±2
				1	49	21.0±2
				1	99	21.0±2
				50	0	21.0±2
				50	24	21.0±2
				50	49	21.0±2
				100	0	21.0±2
			16QAM	1	0	21.0±2
				1	49	21.0±2
				1	99	21.0±2
				50	0	21.0±2
				50	24	21.0±2
				50	49	21.0±2
				100	0	21.0±2

LTE Band 12:

BW(MHz)	Ch	Freq(MHz)	Mode	UL RB Allocation	UL RB Offset	Tune up limited(dBm)
1.4MHz	23017	699.7	QPSK	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				12	0	22.0±2
				12	24	22.0±2
				12	49	22.0±2
				25	0	22.0±2
			16QAM	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				12	0	22.0±2
				12	24	22.0±2
				12	49	22.0±2
				25	0	22.0±2
	23095	707.5	QPSK	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				12	0	22.0±2
				12	24	22.0±2
				12	49	22.0±2
				25	0	22.0±2
			16QAM	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				12	0	22.0±2
				12	24	22.0±2
				12	49	22.0±2
				25	0	22.0±2
	23173	715.3	QPSK	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				12	0	22.0±2
				12	24	22.0±2
				12	49	22.0±2
				25	0	22.0±2
			16QAM	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				12	0	22.0±2
				12	24	22.0±2
				12	49	22.0±2
				25	0	22.0±2

BW(MHz)	Ch	Freq(MHz)	Mode	UL RB Allocation	UL RB Offset	Tune up limited(dBm)
3MHz	23025	700.5	QPSK	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				25	0	22.0±2
				25	24	22.0±2
				25	49	22.0±2
				50	0	22.0±2
			16QAM	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				25	0	22.0±2
				25	24	22.0±2
				25	49	22.0±2
				50	0	22.0±2
	23095	707.5	QPSK	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				25	0	22.0±2
				25	24	22.0±2
				25	49	22.0±2
				50	0	22.0±2
			16QAM	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				25	0	22.0±2
				25	24	22.0±2
				25	49	22.0±2
				50	0	22.0±2
	23165	714.5	QPSK	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				25	0	22.0±2
				25	24	22.0±2
				25	49	22.0±2
				50	0	22.0±2
			16QAM	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				25	0	22.0±2
				25	24	22.0±2
				25	49	22.0±2
				50	0	22.0±2

BW(MHz)	Ch	Freq(MHz)	Mode	UL RB Allocation	UL RB Offset	Tune up limited(dBm)
5MHz	23035	701.5	QPSK	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				36	0	22.0±2
				36	24	22.0±2
				36	49	22.0±2
				75	0	22.0±2
			16QAM	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				36	0	22.0±2
				36	24	22.0±2
				36	49	22.0±2
				75	0	22.0±2
	23095	707.5	QPSK	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				36	0	22.0±2
				36	24	22.0±2
				36	49	22.0±2
				75	0	22.0±2
			16QAM	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				36	0	22.0±2
				36	24	22.0±2
				36	49	22.0±2
				75	0	22.0±2
	23155	713.5	QPSK	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				36	0	22.0±2
				36	24	22.0±2
				36	49	22.0±2
				75	0	22.0±2
			16QAM	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				36	0	22.0±2
				36	24	22.0±2
				36	49	22.0±2
				75	0	22.0±2

BW(MHz)	Ch	Freq(MHz)	Mode	UL RB Allocation	UL RB Offset	Tune up limited(dBm)
10MHz	23060	704	QPSK	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				50	0	22.0±2
				50	24	22.0±2
				50	49	22.0±2
				100	0	22.0±2
			16QAM	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				50	0	22.0±2
				50	24	22.0±2
				50	49	22.0±2
				100	0	22.0±2
	23095	707.5	QPSK	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				50	0	22.0±2
				50	24	22.0±2
				50	49	22.0±2
				100	0	22.0±2
			16QAM	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				50	0	22.0±2
				50	24	22.0±2
				50	49	22.0±2
				100	0	22.0±2
	23130	711	QPSK	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				50	0	22.0±2
				50	24	22.0±2
				50	49	22.0±2
				100	0	22.0±2
			16QAM	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				50	0	22.0±2
				50	24	22.0±2
				50	49	22.0±2
				100	0	22.0±2

LTE Band 13:

BW(MHz)	Ch	Freq(MHz)	Mode	UL RB Allocation	UL RB Offset	Tune up limited(dBm)
5MHz	23205	779.5	QPSK	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				12	0	22.0±2
				12	24	22.0±2
				12	49	22.0±2
				25	0	22.0±2
			16QAM	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				12	0	22.0±2
				12	24	22.0±2
				12	49	22.0±2
				25	0	22.0±2
	23230	782	QPSK	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				12	0	22.0±2
				12	24	22.0±2
				12	49	22.0±2
				25	0	22.0±2
			16QAM	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				12	0	22.0±2
				12	24	22.0±2
				12	49	22.0±2
				25	0	22.0±2
	23255	784.5	QPSK	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				12	0	22.0±2
				12	24	22.0±2
				12	49	22.0±2
				25	0	22.0±2
			16QAM	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				12	0	22.0±2
				12	24	22.0±2
				12	49	22.0±2
				25	0	22.0±2

BW(MHz)	Ch	Freq(MHz)	Mode	UL RB Allocation	UL RB Offset	Tune up limited(dBm)
10MHz	23230	782	QPSK	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				25	0	22.0±2
				25	24	22.0±2
				25	49	22.0±2
				50	0	22.0±2
			16QAM	1	0	22.0±2
				1	49	22.0±2
				1	99	22.0±2
				25	0	22.0±2
				25	24	22.0±2
				25	49	22.0±2
				50	0	22.0±2

LTE Band 25:

Bandwidth	Modulation	Channel	RB Configuration	Tune up limited (dBm)
1.4MHz	QPSK	26047	1RB#0	21.0±2
1.4MHz	QPSK	26047	1RB#2	21.0±2
1.4MHz	QPSK	26047	1RB#5	21.0±2
1.4MHz	QPSK	26047	3RB#0	21.0±2
1.4MHz	QPSK	26047	3RB#1	21.0±2
1.4MHz	QPSK	26047	3RB#3	21.0±2
1.4MHz	QPSK	26047	6RB#0	21.0±2
1.4MHz	QPSK	26365	1RB#0	21.0±2
1.4MHz	QPSK	26365	1RB#2	21.0±2
1.4MHz	QPSK	26365	1RB#5	21.0±2
1.4MHz	QPSK	26365	3RB#0	21.0±2
1.4MHz	QPSK	26365	3RB#1	21.0±2
1.4MHz	QPSK	26365	3RB#3	21.0±2
1.4MHz	QPSK	26365	6RB#0	21.0±2
1.4MHz	QPSK	26683	1RB#0	21.0±2
1.4MHz	QPSK	26683	1RB#2	21.0±2
1.4MHz	QPSK	26683	1RB#5	21.0±2
1.4MHz	QPSK	26683	3RB#0	21.0±2
1.4MHz	QPSK	26683	3RB#1	21.0±2
1.4MHz	QPSK	26683	3RB#3	21.0±2
1.4MHz	QPSK	26683	6RB#0	21.0±2
1.4MHz	16QAM	26047	1RB#0	21.0±2
1.4MHz	16QAM	26047	1RB#2	21.0±2
1.4MHz	16QAM	26047	1RB#5	21.0±2
1.4MHz	16QAM	26047	3RB#0	21.0±2
1.4MHz	16QAM	26047	3RB#1	21.0±2
1.4MHz	16QAM	26047	3RB#3	21.0±2
1.4MHz	16QAM	26047	6RB#0	21.0±2
1.4MHz	16QAM	26365	1RB#0	21.0±2
1.4MHz	16QAM	26365	1RB#2	21.0±2
1.4MHz	16QAM	26365	1RB#5	21.0±2
1.4MHz	16QAM	26365	3RB#0	21.0±2
1.4MHz	16QAM	26365	3RB#1	21.0±2
1.4MHz	16QAM	26365	3RB#3	21.0±2
1.4MHz	16QAM	26365	6RB#0	21.0±2
1.4MHz	16QAM	26683	1RB#0	21.0±2
1.4MHz	16QAM	26683	1RB#2	21.0±2
1.4MHz	16QAM	26683	1RB#5	21.0±2
1.4MHz	16QAM	26683	3RB#0	21.0±2
1.4MHz	16QAM	26683	3RB#1	21.0±2
1.4MHz	16QAM	26683	3RB#3	21.0±2
1.4MHz	16QAM	26683	6RB#0	21.0±2
3MHz	QPSK	26055	1RB#0	21.0±2
3MHz	QPSK	26055	1RB#8	21.0±2
3MHz	QPSK	26055	1RB#14	21.0±2

Bandwidth	Modulation	Channel	RB Configuration	Tune up limited (dBm)
3MHz	QPSK	26055	8RB#0	21.0±2
3MHz	QPSK	26055	8RB#4	21.0±2
3MHz	QPSK	26055	8RB#7	21.0±2
3MHz	QPSK	26055	15RB#0	21.0±2
3MHz	QPSK	26365	1RB#0	21.0±2
3MHz	QPSK	26365	1RB#8	21.0±2
3MHz	QPSK	26365	1RB#14	21.0±2
3MHz	QPSK	26365	8RB#0	21.0±2
3MHz	QPSK	26365	8RB#4	21.0±2
3MHz	QPSK	26365	8RB#7	21.0±2
3MHz	QPSK	26365	15RB#0	21.0±2
3MHz	QPSK	26675	1RB#0	21.0±2
3MHz	QPSK	26675	1RB#8	21.0±2
3MHz	QPSK	26675	1RB#14	21.0±2
3MHz	QPSK	26675	8RB#0	21.0±2
3MHz	QPSK	26675	8RB#4	21.0±2
3MHz	QPSK	26675	8RB#7	21.0±2
3MHz	QPSK	26675	15RB#0	21.0±2
3MHz	16QAM	26055	1RB#0	21.0±2
3MHz	16QAM	26055	1RB#8	21.0±2
3MHz	16QAM	26055	1RB#14	21.0±2
3MHz	16QAM	26055	8RB#0	21.0±2
3MHz	16QAM	26055	8RB#4	21.0±2
3MHz	16QAM	26055	8RB#7	21.0±2
3MHz	16QAM	26055	15RB#0	21.0±2
3MHz	16QAM	26365	1RB#0	21.0±2
3MHz	16QAM	26365	1RB#8	21.0±2
3MHz	16QAM	26365	1RB#14	21.0±2
3MHz	16QAM	26365	8RB#0	21.0±2
3MHz	16QAM	26365	8RB#4	21.0±2
3MHz	16QAM	26365	8RB#7	21.0±2
3MHz	16QAM	26365	15RB#0	21.0±2
3MHz	16QAM	26675	1RB#0	21.0±2
3MHz	16QAM	26675	1RB#8	21.0±2
3MHz	16QAM	26675	1RB#14	21.0±2
3MHz	16QAM	26675	8RB#0	21.0±2
3MHz	16QAM	26675	8RB#4	21.0±2
3MHz	16QAM	26675	8RB#7	21.0±2
3MHz	16QAM	26675	15RB#0	21.0±2
5MHz	QPSK	26065	1RB#0	21.0±2
5MHz	QPSK	26065	1RB#12	21.0±2
5MHz	QPSK	26065	1RB#24	21.0±2
5MHz	QPSK	26065	12RB#0	21.0±2
5MHz	QPSK	26065	12RB#6	21.0±2
5MHz	QPSK	26065	12RB#13	21.0±2
5MHz	QPSK	26065	25RB#0	21.0±2
5MHz	QPSK	26365	1RB#0	21.0±2

Bandwidth	Modulation	Channel	RB Configuration	Tune up limited (dBm)
5MHz	QPSK	26365	1RB#12	21.0±2
5MHz	QPSK	26365	1RB#24	21.0±2
5MHz	QPSK	26365	12RB#0	21.0±2
5MHz	QPSK	26365	12RB#6	21.0±2
5MHz	QPSK	26365	12RB#13	21.0±2
5MHz	QPSK	26365	25RB#0	21.0±2
5MHz	QPSK	26665	1RB#0	21.0±2
5MHz	QPSK	26665	1RB#12	21.0±2
5MHz	QPSK	26665	1RB#24	21.0±2
5MHz	QPSK	26665	12RB#0	21.0±2
5MHz	QPSK	26665	12RB#6	21.0±2
5MHz	QPSK	26665	12RB#13	21.0±2
5MHz	QPSK	26665	25RB#0	21.0±2
5MHz	16QAM	26065	1RB#0	21.0±2
5MHz	16QAM	26065	1RB#12	21.0±2
5MHz	16QAM	26065	1RB#24	21.0±2
5MHz	16QAM	26065	12RB#0	21.0±2
5MHz	16QAM	26065	12RB#6	21.0±2
5MHz	16QAM	26065	12RB#13	21.0±2
5MHz	16QAM	26065	25RB#0	21.0±2
5MHz	16QAM	26365	1RB#0	21.0±2
5MHz	16QAM	26365	1RB#12	21.0±2
5MHz	16QAM	26365	1RB#24	21.0±2
5MHz	16QAM	26365	12RB#0	21.0±2
5MHz	16QAM	26365	12RB#6	21.0±2
5MHz	16QAM	26365	12RB#13	21.0±2
5MHz	16QAM	26365	25RB#0	21.0±2
5MHz	16QAM	26665	1RB#0	21.0±2
5MHz	16QAM	26665	1RB#12	21.0±2
5MHz	16QAM	26665	1RB#24	21.0±2
5MHz	16QAM	26665	12RB#0	21.0±2
5MHz	16QAM	26665	12RB#6	21.0±2
5MHz	16QAM	26665	12RB#13	21.0±2
5MHz	16QAM	26665	25RB#0	21.0±2
10MHz	QPSK	26090	1RB#0	21.0±2
10MHz	QPSK	26090	1RB#24	21.0±2
10MHz	QPSK	26090	1RB#49	21.0±2
10MHz	QPSK	26090	25RB#0	21.0±2
10MHz	QPSK	26090	25RB#12	21.0±2
10MHz	QPSK	26090	25RB#25	21.0±2
10MHz	QPSK	26090	50RB#0	21.0±2
10MHz	QPSK	26365	1RB#0	21.0±2
10MHz	QPSK	26365	1RB#24	21.0±2
10MHz	QPSK	26365	1RB#49	21.0±2
10MHz	QPSK	26365	25RB#0	21.0±2
10MHz	QPSK	26365	25RB#12	21.0±2
10MHz	QPSK	26365	25RB#25	21.0±2

Bandwidth	Modulation	Channel	RB Configuration	Tune up limited (dBm)
10MHz	QPSK	26365	50RB#0	21.0±2
10MHz	QPSK	26640	1RB#0	21.0±2
10MHz	QPSK	26640	1RB#24	21.0±2
10MHz	QPSK	26640	1RB#49	21.0±2
10MHz	QPSK	26640	25RB#0	21.0±2
10MHz	QPSK	26640	25RB#12	21.0±2
10MHz	QPSK	26640	25RB#25	21.0±2
10MHz	QPSK	26640	50RB#0	21.0±2
10MHz	16QAM	26090	1RB#0	21.0±2
10MHz	16QAM	26090	1RB#24	21.0±2
10MHz	16QAM	26090	1RB#49	21.0±2
10MHz	16QAM	26090	25RB#0	21.0±2
10MHz	16QAM	26090	25RB#12	21.0±2
10MHz	16QAM	26090	25RB#25	21.0±2
10MHz	16QAM	26090	50RB#0	21.0±2
10MHz	16QAM	26365	1RB#0	21.0±2
10MHz	16QAM	26365	1RB#24	21.0±2
10MHz	16QAM	26365	1RB#49	21.0±2
10MHz	16QAM	26365	25RB#0	21.0±2
10MHz	16QAM	26365	25RB#12	21.0±2
10MHz	16QAM	26365	25RB#25	21.0±2
10MHz	16QAM	26365	50RB#0	21.0±2
10MHz	16QAM	26640	1RB#0	21.0±2
10MHz	16QAM	26640	1RB#24	21.0±2
10MHz	16QAM	26640	1RB#49	21.0±2
10MHz	16QAM	26640	25RB#0	21.0±2
10MHz	16QAM	26640	25RB#12	21.0±2
10MHz	16QAM	26640	25RB#25	21.0±2
10MHz	16QAM	26640	50RB#0	21.0±2
15MHz	QPSK	26115	1RB#0	21.0±2
15MHz	QPSK	26115	1RB#38	21.0±2
15MHz	QPSK	26115	1RB#74	21.0±2
15MHz	QPSK	26115	38RB#0	21.0±2
15MHz	QPSK	26115	38RB#18	21.0±2
15MHz	QPSK	26115	38RB#37	21.0±2
15MHz	QPSK	26115	75RB#0	21.0±2
15MHz	QPSK	26365	1RB#0	21.0±2
15MHz	QPSK	26365	1RB#38	21.0±2
15MHz	QPSK	26365	1RB#74	21.0±2
15MHz	QPSK	26365	38RB#0	21.0±2
15MHz	QPSK	26365	38RB#18	21.0±2
15MHz	QPSK	26365	38RB#37	21.0±2
15MHz	QPSK	26365	75RB#0	21.0±2
15MHz	QPSK	26615	1RB#0	21.0±2
15MHz	QPSK	26615	1RB#38	21.0±2
15MHz	QPSK	26615	1RB#74	21.0±2
15MHz	QPSK	26615	38RB#0	21.0±2

Bandwidth	Modulation	Channel	RB Configuration	Tune up limited (dBm)
15MHz	QPSK	26615	38RB#18	21.0±2
15MHz	QPSK	26615	38RB#37	21.0±2
15MHz	QPSK	26615	75RB#0	21.0±2
15MHz	16QAM	26115	1RB#0	21.0±2
15MHz	16QAM	26115	1RB#38	21.0±2
15MHz	16QAM	26115	1RB#74	21.0±2
15MHz	16QAM	26115	38RB#0	21.0±2
15MHz	16QAM	26115	38RB#18	21.0±2
15MHz	16QAM	26115	38RB#37	21.0±2
15MHz	16QAM	26115	75RB#0	21.0±2
15MHz	16QAM	26365	1RB#0	21.0±2
15MHz	16QAM	26365	1RB#38	21.0±2
15MHz	16QAM	26365	1RB#74	21.0±2
15MHz	16QAM	26365	38RB#0	21.0±2
15MHz	16QAM	26365	38RB#18	21.0±2
15MHz	16QAM	26365	38RB#37	21.0±2
15MHz	16QAM	26365	75RB#0	21.0±2
15MHz	16QAM	26615	1RB#0	21.0±2
15MHz	16QAM	26615	1RB#38	21.0±2
15MHz	16QAM	26615	1RB#74	21.0±2
15MHz	16QAM	26615	38RB#0	21.0±2
15MHz	16QAM	26615	38RB#18	21.0±2
15MHz	16QAM	26615	38RB#37	21.0±2
15MHz	16QAM	26615	75RB#0	21.0±2
20MHz	QPSK	26140	1RB#0	21.0±2
20MHz	QPSK	26140	1RB#49	21.0±2
20MHz	QPSK	26140	1RB#99	21.0±2
20MHz	QPSK	26140	50RB#0	21.0±2
20MHz	QPSK	26140	50RB#25	21.0±2
20MHz	QPSK	26140	50RB#50	21.0±2
20MHz	QPSK	26140	100RB#0	21.0±2
20MHz	QPSK	26365	1RB#0	21.0±2
20MHz	QPSK	26365	1RB#49	21.0±2
20MHz	QPSK	26365	1RB#99	21.0±2
20MHz	QPSK	26365	50RB#0	21.0±2
20MHz	QPSK	26365	50RB#25	21.0±2
20MHz	QPSK	26365	50RB#50	21.0±2
20MHz	QPSK	26365	100RB#0	21.0±2
20MHz	QPSK	26590	1RB#0	21.0±2
20MHz	QPSK	26590	1RB#49	21.0±2
20MHz	QPSK	26590	1RB#99	21.0±2
20MHz	QPSK	26590	50RB#0	21.0±2
20MHz	QPSK	26590	50RB#25	21.0±2
20MHz	QPSK	26590	50RB#50	21.0±2
20MHz	QPSK	26590	100RB#0	21.0±2
20MHz	16QAM	26140	1RB#0	21.0±2
20MHz	16QAM	26140	1RB#49	21.0±2

Bandwidth	Modulation	Channel	RB Configuration	Tune up limited (dBm)
20MHz	16QAM	26140	1RB#99	21.0±2
20MHz	16QAM	26140	50RB#0	21.0±2
20MHz	16QAM	26140	50RB#25	21.0±2
20MHz	16QAM	26140	50RB#50	21.0±2
20MHz	16QAM	26140	100RB#0	21.0±2
20MHz	16QAM	26365	1RB#0	21.0±2
20MHz	16QAM	26365	1RB#49	21.0±2
20MHz	16QAM	26365	1RB#99	21.0±2
20MHz	16QAM	26365	50RB#0	21.0±2
20MHz	16QAM	26365	50RB#25	21.0±2
20MHz	16QAM	26365	50RB#50	21.0±2
20MHz	16QAM	26365	100RB#0	21.0±2
20MHz	16QAM	26590	1RB#0	21.0±2
20MHz	16QAM	26590	1RB#49	21.0±2
20MHz	16QAM	26590	1RB#99	21.0±2
20MHz	16QAM	26590	50RB#0	21.0±2
20MHz	16QAM	26590	50RB#25	21.0±2
20MHz	16QAM	26590	50RB#50	21.0±2
20MHz	16QAM	26590	100RB#0	21.0±2

LTE Band 26 (814-824MHz):

Bandwidth	Modulation	Channel	RB Configuration	Tune up limited (dBm)
1.4MHz	QPSK	26697	1RB#0	22.0±2
1.4MHz	QPSK	26697	1RB#2	22.0±2
1.4MHz	QPSK	26697	1RB#5	22.0±2
1.4MHz	QPSK	26697	3RB#0	22.0±2
1.4MHz	QPSK	26697	3RB#1	22.0±2
1.4MHz	QPSK	26697	3RB#3	22.0±2
1.4MHz	QPSK	26697	6RB#0	22.0±2
1.4MHz	QPSK	26740	1RB#0	22.0±2
1.4MHz	QPSK	26740	1RB#2	22.0±2
1.4MHz	QPSK	26740	1RB#5	22.0±2
1.4MHz	QPSK	26740	3RB#0	22.0±2
1.4MHz	QPSK	26740	3RB#1	22.0±2
1.4MHz	QPSK	26740	3RB#3	22.0±2
1.4MHz	QPSK	26740	6RB#0	22.0±2
1.4MHz	QPSK	26783	1RB#0	22.0±2
1.4MHz	QPSK	26783	1RB#2	22.0±2
1.4MHz	QPSK	26783	1RB#5	22.0±2
1.4MHz	QPSK	26783	3RB#0	22.0±2
1.4MHz	QPSK	26783	3RB#1	22.0±2
1.4MHz	QPSK	26783	3RB#3	22.0±2
1.4MHz	QPSK	26783	6RB#0	22.0±2
1.4MHz	16QAM	26697	1RB#0	22.0±2
1.4MHz	16QAM	26697	1RB#2	22.0±2
1.4MHz	16QAM	26697	1RB#5	22.0±2
1.4MHz	16QAM	26697	3RB#0	22.0±2
1.4MHz	16QAM	26697	3RB#1	22.0±2
1.4MHz	16QAM	26697	3RB#3	22.0±2
1.4MHz	16QAM	26697	6RB#0	22.0±2
1.4MHz	16QAM	26740	1RB#0	22.0±2
1.4MHz	16QAM	26740	1RB#2	22.0±2
1.4MHz	16QAM	26740	1RB#5	22.0±2
1.4MHz	16QAM	26740	3RB#0	22.0±2
1.4MHz	16QAM	26740	3RB#1	22.0±2
1.4MHz	16QAM	26740	3RB#3	22.0±2
1.4MHz	16QAM	26740	6RB#0	22.0±2
1.4MHz	16QAM	26783	1RB#0	22.0±2
1.4MHz	16QAM	26783	1RB#2	22.0±2
1.4MHz	16QAM	26783	1RB#5	22.0±2
1.4MHz	16QAM	26783	3RB#0	22.0±2
1.4MHz	16QAM	26783	3RB#1	22.0±2
1.4MHz	16QAM	26783	3RB#3	22.0±2
1.4MHz	16QAM	26783	6RB#0	22.0±2
3MHz	QPSK	26705	1RB#0	22.0±2
3MHz	QPSK	26705	1RB#8	22.0±2
3MHz	QPSK	26705	1RB#14	22.0±2

3MHz	QPSK	26705	8RB#0	22.0±2
3MHz	QPSK	26705	8RB#4	22.0±2
3MHz	QPSK	26705	8RB#7	22.0±2
3MHz	QPSK	26705	15RB#0	22.0±2
3MHz	QPSK	26740	1RB#0	22.0±2
3MHz	QPSK	26740	1RB#8	22.0±2
3MHz	QPSK	26740	1RB#14	22.0±2
3MHz	QPSK	26740	8RB#0	22.0±2
3MHz	QPSK	26740	8RB#4	22.0±2
3MHz	QPSK	26740	8RB#7	22.0±2
3MHz	QPSK	26740	15RB#0	22.0±2
3MHz	QPSK	26775	1RB#0	22.0±2
3MHz	QPSK	26775	1RB#8	22.0±2
3MHz	QPSK	26775	1RB#14	22.0±2
3MHz	QPSK	26775	8RB#0	22.0±2
3MHz	QPSK	26775	8RB#4	22.0±2
3MHz	QPSK	26775	8RB#7	22.0±2
3MHz	QPSK	26775	15RB#0	22.0±2
3MHz	16QAM	26705	1RB#0	22.0±2
3MHz	16QAM	26705	1RB#8	22.0±2
3MHz	16QAM	26705	1RB#14	22.0±2
3MHz	16QAM	26705	8RB#0	22.0±2
3MHz	16QAM	26705	8RB#4	22.0±2
3MHz	16QAM	26705	8RB#7	22.0±2
3MHz	16QAM	26705	15RB#0	22.0±2
3MHz	16QAM	26740	1RB#0	22.0±2
3MHz	16QAM	26740	1RB#8	22.0±2
3MHz	16QAM	26740	1RB#14	22.0±2
3MHz	16QAM	26740	8RB#0	22.0±2
3MHz	16QAM	26740	8RB#4	22.0±2
3MHz	16QAM	26740	8RB#7	22.0±2
3MHz	16QAM	26740	15RB#0	22.0±2
3MHz	16QAM	26775	1RB#0	22.0±2
3MHz	16QAM	26775	1RB#8	22.0±2
3MHz	16QAM	26775	1RB#14	22.0±2
3MHz	16QAM	26775	8RB#0	22.0±2
3MHz	16QAM	26775	8RB#4	22.0±2
3MHz	16QAM	26775	8RB#7	22.0±2
3MHz	16QAM	26775	15RB#0	22.0±2
5MHz	QPSK	26715	1RB#0	22.0±2
5MHz	QPSK	26715	1RB#12	22.0±2
5MHz	QPSK	26715	1RB#24	22.0±2
5MHz	QPSK	26715	12RB#0	22.0±2
5MHz	QPSK	26715	12RB#6	22.0±2
5MHz	QPSK	26715	12RB#13	22.0±2
5MHz	QPSK	26715	25RB#0	22.0±2
5MHz	QPSK	26740	1RB#0	22.0±2
5MHz	QPSK	26740	1RB#12	22.0±2

5MHz	QPSK	26740	1RB#24	22.0±2
5MHz	QPSK	26740	12RB#0	22.0±2
5MHz	QPSK	26740	12RB#6	22.0±2
5MHz	QPSK	26740	12RB#13	22.0±2
5MHz	QPSK	26740	25RB#0	22.0±2
5MHz	QPSK	26765	1RB#0	22.0±2
5MHz	QPSK	26765	1RB#12	22.0±2
5MHz	QPSK	26765	1RB#24	22.0±2
5MHz	QPSK	26765	12RB#0	22.0±2
5MHz	QPSK	26765	12RB#6	22.0±2
5MHz	QPSK	26765	12RB#13	22.0±2
5MHz	QPSK	26765	25RB#0	22.0±2
5MHz	16QAM	26715	1RB#0	22.0±2
5MHz	16QAM	26715	1RB#12	22.0±2
5MHz	16QAM	26715	1RB#24	22.0±2
5MHz	16QAM	26715	12RB#0	22.0±2
5MHz	16QAM	26715	12RB#6	22.0±2
5MHz	16QAM	26715	12RB#13	22.0±2
5MHz	16QAM	26715	25RB#0	22.0±2
5MHz	16QAM	26740	1RB#0	22.0±2
5MHz	16QAM	26740	1RB#12	22.0±2
5MHz	16QAM	26740	1RB#24	22.0±2
5MHz	16QAM	26740	12RB#0	22.0±2
5MHz	16QAM	26740	12RB#6	22.0±2
5MHz	16QAM	26740	12RB#13	22.0±2
5MHz	16QAM	26740	25RB#0	22.0±2
5MHz	16QAM	26765	1RB#0	22.0±2
5MHz	16QAM	26765	1RB#12	22.0±2
5MHz	16QAM	26765	1RB#24	22.0±2
5MHz	16QAM	26765	12RB#0	22.0±2
5MHz	16QAM	26765	12RB#6	22.0±2
5MHz	16QAM	26765	12RB#13	22.0±2
5MHz	16QAM	26765	25RB#0	22.0±2
10MHz	QPSK	26740	1RB#0	22.0±2
10MHz	QPSK	26740	1RB#24	22.0±2
10MHz	QPSK	26740	1RB#49	22.0±2
10MHz	QPSK	26740	25RB#0	22.0±2
10MHz	QPSK	26740	25RB#12	22.0±2
10MHz	QPSK	26740	25RB#25	22.0±2
10MHz	QPSK	26740	50RB#0	22.0±2
10MHz	16QAM	26740	1RB#0	22.0±2
10MHz	16QAM	26740	1RB#24	22.0±2
10MHz	16QAM	26740	1RB#49	22.0±2
10MHz	16QAM	26740	25RB#0	22.0±2
10MHz	16QAM	26740	25RB#12	22.0±2
10MHz	16QAM	26740	25RB#25	22.0±2
10MHz	16QAM	26740	50RB#0	22.0±2

LTE Band 26 (824-849MHz):

Bandwidth	Modulation	Channel	RB Configuration	Tune up limited (dBm)
1.4MHz	QPSK	26797	1RB#0	22.0±2
1.4MHz	QPSK	26797	1RB#2	22.0±2
1.4MHz	QPSK	26797	1RB#5	22.0±2
1.4MHz	QPSK	26797	3RB#0	22.0±2
1.4MHz	QPSK	26797	3RB#1	22.0±2
1.4MHz	QPSK	26797	3RB#3	22.0±2
1.4MHz	QPSK	26797	6RB#0	22.0±2
1.4MHz	QPSK	26915	1RB#0	22.0±2
1.4MHz	QPSK	26915	1RB#2	22.0±2
1.4MHz	QPSK	26915	1RB#5	22.0±2
1.4MHz	QPSK	26915	3RB#0	22.0±2
1.4MHz	QPSK	26915	3RB#1	22.0±2
1.4MHz	QPSK	26915	3RB#3	22.0±2
1.4MHz	QPSK	26915	6RB#0	22.0±2
1.4MHz	QPSK	27033	1RB#0	22.0±2
1.4MHz	QPSK	27033	1RB#2	22.0±2
1.4MHz	QPSK	27033	1RB#5	22.0±2
1.4MHz	QPSK	27033	3RB#0	22.0±2
1.4MHz	QPSK	27033	3RB#1	22.0±2
1.4MHz	QPSK	27033	3RB#3	22.0±2
1.4MHz	QPSK	27033	6RB#0	22.0±2
1.4MHz	16QAM	26797	1RB#0	22.0±2
1.4MHz	16QAM	26797	1RB#2	22.0±2
1.4MHz	16QAM	26797	1RB#5	22.0±2
1.4MHz	16QAM	26797	3RB#0	22.0±2
1.4MHz	16QAM	26797	3RB#1	22.0±2
1.4MHz	16QAM	26797	3RB#3	22.0±2
1.4MHz	16QAM	26797	6RB#0	22.0±2
1.4MHz	16QAM	26915	1RB#0	22.0±2
1.4MHz	16QAM	26915	1RB#2	22.0±2
1.4MHz	16QAM	26915	1RB#5	22.0±2
1.4MHz	16QAM	26915	3RB#0	22.0±2
1.4MHz	16QAM	26915	3RB#1	22.0±2
1.4MHz	16QAM	26915	3RB#3	22.0±2
1.4MHz	16QAM	26915	6RB#0	22.0±2
1.4MHz	16QAM	27033	1RB#0	22.0±2
1.4MHz	16QAM	27033	1RB#2	22.0±2
1.4MHz	16QAM	27033	1RB#5	22.0±2
1.4MHz	16QAM	27033	3RB#0	22.0±2
1.4MHz	16QAM	27033	3RB#1	22.0±2
1.4MHz	16QAM	27033	3RB#3	22.0±2
1.4MHz	16QAM	27033	6RB#0	22.0±2
3MHz	QPSK	26805	1RB#0	22.0±2
3MHz	QPSK	26805	1RB#8	22.0±2
3MHz	QPSK	26805	1RB#14	22.0±2

Bandwidth	Modulation	Channel	RB Configuration	Tune up limited (dBm)
3MHz	QPSK	26805	8RB#0	22.0±2
3MHz	QPSK	26805	8RB#4	22.0±2
3MHz	QPSK	26805	8RB#7	22.0±2
3MHz	QPSK	26805	15RB#0	22.0±2
3MHz	QPSK	26915	1RB#0	22.0±2
3MHz	QPSK	26915	1RB#8	22.0±2
3MHz	QPSK	26915	1RB#14	22.0±2
3MHz	QPSK	26915	8RB#0	22.0±2
3MHz	QPSK	26915	8RB#4	22.0±2
3MHz	QPSK	26915	8RB#7	22.0±2
3MHz	QPSK	26915	15RB#0	22.0±2
3MHz	QPSK	27025	1RB#0	22.0±2
3MHz	QPSK	27025	1RB#8	22.0±2
3MHz	QPSK	27025	1RB#14	22.0±2
3MHz	QPSK	27025	8RB#0	22.0±2
3MHz	QPSK	27025	8RB#4	22.0±2
3MHz	QPSK	27025	8RB#7	22.0±2
3MHz	QPSK	27025	15RB#0	22.0±2
3MHz	16QAM	26805	1RB#0	22.0±2
3MHz	16QAM	26805	1RB#8	22.0±2
3MHz	16QAM	26805	1RB#14	22.0±2
3MHz	16QAM	26805	8RB#0	22.0±2
3MHz	16QAM	26805	8RB#4	22.0±2
3MHz	16QAM	26805	8RB#7	22.0±2
3MHz	16QAM	26805	15RB#0	22.0±2
3MHz	16QAM	26915	1RB#0	22.0±2
3MHz	16QAM	26915	1RB#8	22.0±2
3MHz	16QAM	26915	1RB#14	22.0±2
3MHz	16QAM	26915	8RB#0	22.0±2
3MHz	16QAM	26915	8RB#4	22.0±2
3MHz	16QAM	26915	8RB#7	22.0±2
3MHz	16QAM	26915	15RB#0	22.0±2
3MHz	16QAM	27025	1RB#0	22.0±2
3MHz	16QAM	27025	1RB#8	22.0±2
3MHz	16QAM	27025	1RB#14	22.0±2
3MHz	16QAM	27025	8RB#0	22.0±2
3MHz	16QAM	27025	8RB#4	22.0±2
3MHz	16QAM	27025	8RB#7	22.0±2
3MHz	16QAM	27025	15RB#0	22.0±2
5MHz	QPSK	26815	1RB#0	22.0±2
5MHz	QPSK	26815	1RB#12	22.0±2
5MHz	QPSK	26815	1RB#24	22.0±2
5MHz	QPSK	26815	12RB#0	22.0±2
5MHz	QPSK	26815	12RB#6	22.0±2
5MHz	QPSK	26815	12RB#13	22.0±2
5MHz	QPSK	26815	25RB#0	22.0±2
5MHz	QPSK	26915	1RB#0	22.0±2

Bandwidth	Modulation	Channel	RB Configuration	Tune up limited (dBm)
5MHz	QPSK	26915	1RB#12	22.0±2
5MHz	QPSK	26915	1RB#24	22.0±2
5MHz	QPSK	26915	12RB#0	22.0±2
5MHz	QPSK	26915	12RB#6	22.0±2
5MHz	QPSK	26915	12RB#13	22.0±2
5MHz	QPSK	26915	25RB#0	22.0±2
5MHz	QPSK	27015	1RB#0	22.0±2
5MHz	QPSK	27015	1RB#12	22.0±2
5MHz	QPSK	27015	1RB#24	22.0±2
5MHz	QPSK	27015	12RB#0	22.0±2
5MHz	QPSK	27015	12RB#6	22.0±2
5MHz	QPSK	27015	12RB#13	22.0±2
5MHz	QPSK	27015	25RB#0	22.0±2
5MHz	16QAM	26815	1RB#0	22.0±2
5MHz	16QAM	26815	1RB#12	22.0±2
5MHz	16QAM	26815	1RB#24	22.0±2
5MHz	16QAM	26815	12RB#0	22.0±2
5MHz	16QAM	26815	12RB#6	22.0±2
5MHz	16QAM	26815	12RB#13	22.0±2
5MHz	16QAM	26815	25RB#0	22.0±2
5MHz	16QAM	26915	1RB#0	22.0±2
5MHz	16QAM	26915	1RB#12	22.0±2
5MHz	16QAM	26915	1RB#24	22.0±2
5MHz	16QAM	26915	12RB#0	22.0±2
5MHz	16QAM	26915	12RB#6	22.0±2
5MHz	16QAM	26915	12RB#13	22.0±2
5MHz	16QAM	26915	25RB#0	22.0±2
5MHz	16QAM	27015	1RB#0	22.0±2
5MHz	16QAM	27015	1RB#12	22.0±2
5MHz	16QAM	27015	1RB#24	22.0±2
5MHz	16QAM	27015	12RB#0	22.0±2
5MHz	16QAM	27015	12RB#6	22.0±2
5MHz	16QAM	27015	12RB#13	22.0±2
5MHz	16QAM	27015	25RB#0	22.0±2
10MHz	QPSK	26840	25RB#0	22.0±2
10MHz	QPSK	26840	25RB#12	22.0±2
10MHz	QPSK	26840	25RB#25	22.0±2
10MHz	QPSK	26840	50RB#0	22.0±2
10MHz	QPSK	26915	1RB#0	22.0±2
10MHz	QPSK	26915	1RB#24	22.0±2
10MHz	QPSK	26915	1RB#49	22.0±2
10MHz	QPSK	26915	25RB#0	22.0±2
10MHz	QPSK	26915	25RB#12	22.0±2
10MHz	QPSK	26915	25RB#25	22.0±2
10MHz	QPSK	26915	50RB#0	22.0±2
10MHz	QPSK	26990	1RB#0	22.0±2
10MHz	QPSK	26990	1RB#24	22.0±2

Bandwidth	Modulation	Channel	RB Configuration	Tune up limited (dBm)
10MHz	QPSK	26990	1RB#49	22.0±2
10MHz	QPSK	26990	25RB#0	22.0±2
10MHz	QPSK	26990	25RB#12	22.0±2
10MHz	QPSK	26990	25RB#25	22.0±2
10MHz	QPSK	26990	50RB#0	22.0±2
10MHz	16QAM	26840	1RB#0	22.0±2
10MHz	16QAM	26840	1RB#24	22.0±2
10MHz	16QAM	26840	1RB#49	22.0±2
10MHz	16QAM	26840	25RB#0	22.0±2
10MHz	16QAM	26840	25RB#12	22.0±2
10MHz	16QAM	26840	25RB#25	22.0±2
10MHz	16QAM	26840	50RB#0	22.0±2
10MHz	16QAM	26915	1RB#0	22.0±2
10MHz	16QAM	26915	1RB#24	22.0±2
10MHz	16QAM	26915	1RB#49	22.0±2
10MHz	16QAM	26915	25RB#0	22.0±2
10MHz	16QAM	26915	25RB#12	22.0±2
10MHz	16QAM	26915	25RB#25	22.0±2
10MHz	16QAM	26915	50RB#0	22.0±2
10MHz	16QAM	26990	1RB#0	22.0±2
10MHz	16QAM	26990	1RB#24	22.0±2
10MHz	16QAM	26990	1RB#49	22.0±2
10MHz	16QAM	26990	25RB#0	22.0±2
10MHz	16QAM	26990	25RB#12	22.0±2
10MHz	16QAM	26990	25RB#25	22.0±2
10MHz	16QAM	26990	50RB#0	22.0±2
15MHz	QPSK	26865	1RB#0	22.0±2
15MHz	QPSK	26865	1RB#38	22.0±2
15MHz	QPSK	26865	1RB#74	22.0±2
15MHz	QPSK	26865	38RB#0	22.0±2
15MHz	QPSK	26865	38RB#18	22.0±2
15MHz	QPSK	26865	38RB#37	22.0±2
15MHz	QPSK	26865	75RB#0	22.0±2
15MHz	QPSK	26915	1RB#0	22.0±2
15MHz	QPSK	26915	1RB#38	22.0±2
15MHz	QPSK	26915	1RB#74	22.0±2
15MHz	QPSK	26915	38RB#0	22.0±2
15MHz	QPSK	26915	38RB#18	22.0±2
15MHz	QPSK	26915	38RB#37	22.0±2
15MHz	QPSK	26915	75RB#0	22.0±2
15MHz	QPSK	26965	1RB#0	22.0±2
15MHz	QPSK	26965	1RB#38	22.0±2
15MHz	QPSK	26965	1RB#74	22.0±2
15MHz	QPSK	26965	38RB#0	22.0±2
15MHz	QPSK	26965	38RB#18	22.0±2
15MHz	QPSK	26965	38RB#37	22.0±2
15MHz	QPSK	26965	75RB#0	22.0±2

Bandwidth	Modulation	Channel	RB Configuration	Tune up limited (dBm)
15MHz	16QAM	26865	1RB#0	22.0±2
15MHz	16QAM	26865	1RB#38	22.0±2
15MHz	16QAM	26865	1RB#74	22.0±2
15MHz	16QAM	26865	38RB#0	22.0±2
15MHz	16QAM	26865	38RB#18	22.0±2
15MHz	16QAM	26865	38RB#37	22.0±2
15MHz	16QAM	26865	75RB#0	22.0±2
15MHz	16QAM	26915	1RB#0	22.0±2
15MHz	16QAM	26915	1RB#38	22.0±2
15MHz	16QAM	26915	1RB#74	22.0±2
15MHz	16QAM	26915	38RB#0	22.0±2
15MHz	16QAM	26915	38RB#18	22.0±2
15MHz	16QAM	26915	38RB#37	22.0±2
15MHz	16QAM	26915	75RB#0	22.0±2
15MHz	16QAM	26965	1RB#0	22.0±2
15MHz	16QAM	26965	1RB#38	22.0±2
15MHz	16QAM	26965	1RB#74	22.0±2
15MHz	16QAM	26965	38RB#0	22.0±2
15MHz	16QAM	26965	38RB#18	22.0±2
15MHz	16QAM	26965	38RB#37	22.0±2
15MHz	16QAM	26965	75RB#0	22.0±2

LTE Band 38

Bandwidth	Modulation	Channel	RB Configuration	Tune up limited (dBm)
5MHz	QPSK	37775	1RB#0	21.0±2
5MHz	QPSK	37775	1RB#12	21.0±2
5MHz	QPSK	37775	1RB#24	21.0±2
5MHz	QPSK	37775	12RB#0	21.0±2
5MHz	QPSK	37775	12RB#6	21.0±2
5MHz	QPSK	37775	12RB#13	21.0±2
5MHz	QPSK	37775	25RB#0	21.0±2
5MHz	QPSK	38000	1RB#0	21.0±2
5MHz	QPSK	38000	1RB#12	21.0±2
5MHz	QPSK	38000	1RB#24	21.0±2
5MHz	QPSK	38000	12RB#0	21.0±2
5MHz	QPSK	38000	12RB#6	21.0±2
5MHz	QPSK	38000	12RB#13	21.0±2
5MHz	QPSK	38000	25RB#0	21.0±2
5MHz	QPSK	38225	1RB#0	21.0±2
5MHz	QPSK	38225	1RB#12	21.0±2
5MHz	QPSK	38225	1RB#24	21.0±2
5MHz	QPSK	38225	12RB#0	21.0±2
5MHz	QPSK	38225	12RB#6	21.0±2
5MHz	QPSK	38225	12RB#13	21.0±2
5MHz	QPSK	38225	25RB#0	21.0±2
5MHz	16QAM	37775	1RB#0	21.0±2
5MHz	16QAM	37775	1RB#12	21.0±2
5MHz	16QAM	37775	1RB#24	21.0±2
5MHz	16QAM	37775	12RB#0	21.0±2
5MHz	16QAM	37775	12RB#6	21.0±2
5MHz	16QAM	37775	12RB#13	21.0±2
5MHz	16QAM	37775	25RB#0	21.0±2
5MHz	16QAM	38000	1RB#0	21.0±2
5MHz	16QAM	38000	1RB#12	21.0±2
5MHz	16QAM	38000	1RB#24	21.0±2
5MHz	16QAM	38000	12RB#0	21.0±2
5MHz	16QAM	38000	12RB#6	21.0±2
5MHz	16QAM	38000	12RB#13	21.0±2
5MHz	16QAM	38000	25RB#0	21.0±2
5MHz	16QAM	38225	1RB#0	21.0±2
5MHz	16QAM	38225	1RB#12	21.0±2
5MHz	16QAM	38225	1RB#24	21.0±2
5MHz	16QAM	38225	12RB#0	21.0±2
5MHz	16QAM	38225	12RB#6	21.0±2
5MHz	16QAM	38225	12RB#13	21.0±2
5MHz	16QAM	38225	25RB#0	21.0±2
10MHz	QPSK	37800	1RB#0	21.0±2
10MHz	QPSK	37800	1RB#24	21.0±2
10MHz	QPSK	37800	1RB#49	21.0±2

Bandwidth	Modulation	Channel	RB Configuration	Tune up limited (dBm)
10MHz	QPSK	37800	25RB#0	21.0±2
10MHz	QPSK	37800	25RB#12	21.0±2
10MHz	QPSK	37800	25RB#25	21.0±2
10MHz	QPSK	37800	50RB#0	21.0±2
10MHz	QPSK	38000	1RB#0	21.0±2
10MHz	QPSK	38000	1RB#24	21.0±2
10MHz	QPSK	38000	1RB#49	21.0±2
10MHz	QPSK	38000	25RB#0	21.0±2
10MHz	QPSK	38000	25RB#12	21.0±2
10MHz	QPSK	38000	25RB#25	21.0±2
10MHz	QPSK	38000	50RB#0	21.0±2
10MHz	QPSK	38200	1RB#0	21.0±2
10MHz	QPSK	38200	1RB#24	21.0±2
10MHz	QPSK	38200	1RB#49	21.0±2
10MHz	QPSK	38200	25RB#0	21.0±2
10MHz	QPSK	38200	25RB#12	21.0±2
10MHz	QPSK	38200	25RB#25	21.0±2
10MHz	QPSK	38200	50RB#0	21.0±2
10MHz	16QAM	37800	1RB#0	21.0±2
10MHz	16QAM	37800	1RB#24	21.0±2
10MHz	16QAM	37800	1RB#49	21.0±2
10MHz	16QAM	37800	25RB#0	21.0±2
10MHz	16QAM	37800	25RB#12	21.0±2
10MHz	16QAM	37800	25RB#25	21.0±2
10MHz	16QAM	37800	50RB#0	21.0±2
10MHz	16QAM	38000	1RB#0	21.0±2
10MHz	16QAM	38000	1RB#24	21.0±2
10MHz	16QAM	38000	1RB#49	21.0±2
10MHz	16QAM	38000	25RB#0	21.0±2
10MHz	16QAM	38000	25RB#12	21.0±2
10MHz	16QAM	38000	25RB#25	21.0±2
10MHz	16QAM	38000	50RB#0	21.0±2
10MHz	16QAM	38200	1RB#0	21.0±2
10MHz	16QAM	38200	1RB#24	21.0±2
10MHz	16QAM	38200	1RB#49	21.0±2
10MHz	16QAM	38200	25RB#0	21.0±2
10MHz	16QAM	38200	25RB#12	21.0±2
10MHz	16QAM	38200	25RB#25	21.0±2
10MHz	16QAM	38200	50RB#0	21.0±2
15MHz	QPSK	37825	1RB#0	21.0±2
15MHz	QPSK	37825	1RB#38	21.0±2
15MHz	QPSK	37825	1RB#74	21.0±2
15MHz	QPSK	37825	38RB#0	21.0±2
15MHz	QPSK	37825	38RB#18	21.0±2
15MHz	QPSK	37825	38RB#37	21.0±2
15MHz	QPSK	37825	75RB#0	21.0±2
15MHz	QPSK	38000	1RB#0	21.0±2

Bandwidth	Modulation	Channel	RB Configuration	Tune up limited (dBm)
15MHz	QPSK	38000	1RB#38	21.0±2
15MHz	QPSK	38000	1RB#74	21.0±2
15MHz	QPSK	38000	38RB#0	21.0±2
15MHz	QPSK	38000	38RB#18	21.0±2
15MHz	QPSK	38000	38RB#37	21.0±2
15MHz	QPSK	38000	75RB#0	21.0±2
15MHz	QPSK	38175	1RB#0	21.0±2
15MHz	QPSK	38175	1RB#38	21.0±2
15MHz	QPSK	38175	1RB#74	21.0±2
15MHz	QPSK	38175	38RB#0	21.0±2
15MHz	QPSK	38175	38RB#18	21.0±2
15MHz	QPSK	38175	38RB#37	21.0±2
15MHz	QPSK	38175	75RB#0	21.0±2
15MHz	16QAM	37825	1RB#0	21.0±2
15MHz	16QAM	37825	1RB#38	21.0±2
15MHz	16QAM	37825	1RB#74	21.0±2
15MHz	16QAM	37825	38RB#0	21.0±2
15MHz	16QAM	37825	38RB#18	21.0±2
15MHz	16QAM	37825	38RB#37	21.0±2
15MHz	16QAM	37825	75RB#0	21.0±2
15MHz	16QAM	38000	1RB#0	21.0±2
15MHz	16QAM	38000	1RB#38	21.0±2
15MHz	16QAM	38000	1RB#74	21.0±2
15MHz	16QAM	38000	38RB#0	21.0±2
15MHz	16QAM	38000	38RB#18	21.0±2
15MHz	16QAM	38000	38RB#37	21.0±2
15MHz	16QAM	38000	75RB#0	21.0±2
15MHz	16QAM	38175	1RB#0	21.0±2
15MHz	16QAM	38175	1RB#38	21.0±2
15MHz	16QAM	38175	1RB#74	21.0±2
15MHz	16QAM	38175	38RB#0	21.0±2
15MHz	16QAM	38175	38RB#18	21.0±2
15MHz	16QAM	38175	38RB#37	21.0±2
15MHz	16QAM	38175	75RB#0	21.0±2
20MHz	QPSK	37850	1RB#0	21.0±2
20MHz	QPSK	37850	1RB#49	21.0±2
20MHz	QPSK	37850	1RB#99	21.0±2
20MHz	QPSK	37850	50RB#0	21.0±2
20MHz	QPSK	37850	50RB#25	21.0±2
20MHz	QPSK	37850	50RB#50	21.0±2
20MHz	QPSK	37850	100RB#0	21.0±2
20MHz	QPSK	38000	1RB#0	21.0±2
20MHz	QPSK	38000	1RB#49	21.0±2
20MHz	QPSK	38000	1RB#99	21.0±2
20MHz	QPSK	38000	50RB#0	21.0±2
20MHz	QPSK	38000	50RB#25	21.0±2
20MHz	QPSK	38000	50RB#50	21.0±2

Bandwidth	Modulation	Channel	RB Configuration	Tune up limited (dBm)
20MHz	QPSK	38000	100RB#0	21.0±2
20MHz	QPSK	38150	1RB#0	21.0±2
20MHz	QPSK	38150	1RB#49	21.0±2
20MHz	QPSK	38150	1RB#99	21.0±2
20MHz	QPSK	38150	50RB#0	21.0±2
20MHz	QPSK	38150	50RB#25	21.0±2
20MHz	QPSK	38150	50RB#50	21.0±2
20MHz	QPSK	38150	100RB#0	21.0±2
20MHz	16QAM	37850	1RB#0	21.0±2
20MHz	16QAM	37850	1RB#49	21.0±2
20MHz	16QAM	37850	1RB#99	21.0±2
20MHz	16QAM	37850	50RB#0	21.0±2
20MHz	16QAM	37850	50RB#25	21.0±2
20MHz	16QAM	37850	50RB#50	21.0±2
20MHz	16QAM	37850	100RB#0	21.0±2
20MHz	16QAM	38000	1RB#0	21.0±2
20MHz	16QAM	38000	1RB#49	21.0±2
20MHz	16QAM	38000	1RB#99	21.0±2
20MHz	16QAM	38000	50RB#0	21.0±2
20MHz	16QAM	38000	50RB#25	21.0±2
20MHz	16QAM	38000	50RB#50	21.0±2
20MHz	16QAM	38000	100RB#0	21.0±2
20MHz	16QAM	38150	1RB#0	21.0±2
20MHz	16QAM	38150	1RB#49	21.0±2
20MHz	16QAM	38150	1RB#99	21.0±2
20MHz	16QAM	38150	50RB#0	21.0±2
20MHz	16QAM	38150	50RB#25	21.0±2
20MHz	16QAM	38150	50RB#50	21.0±2
20MHz	16QAM	38150	100RB#0	21.0±2

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Bandwidth	Modulation	Channel	RB Configuration	Tune up limited (dBm)
5MHz	QPSK	39675	1RB#0	21.0±2
5MHz	QPSK	39675	1RB#12	21.0±2
5MHz	QPSK	39675	1RB#24	21.0±2
5MHz	QPSK	39675	12RB#0	21.0±2
5MHz	QPSK	39675	12RB#6	21.0±2
5MHz	QPSK	39675	12RB#13	21.0±2
5MHz	QPSK	39675	25RB#0	21.0±2
5MHz	QPSK	40620	1RB#0	21.0±2
5MHz	QPSK	40620	1RB#12	21.0±2
5MHz	QPSK	40620	1RB#24	21.0±2
5MHz	QPSK	40620	12RB#0	21.0±2
5MHz	QPSK	40620	12RB#6	21.0±2
5MHz	QPSK	40620	12RB#13	21.0±2
5MHz	QPSK	40620	25RB#0	21.0±2
5MHz	QPSK	41565	1RB#0	21.0±2
5MHz	QPSK	41565	1RB#12	21.0±2
5MHz	QPSK	41565	1RB#24	21.0±2
5MHz	QPSK	41565	12RB#0	21.0±2
5MHz	QPSK	41565	12RB#6	21.0±2
5MHz	QPSK	41565	12RB#13	21.0±2
5MHz	QPSK	41565	25RB#0	21.0±2
5MHz	16QAM	39675	1RB#0	21.0±2
5MHz	16QAM	39675	1RB#12	21.0±2
5MHz	16QAM	39675	1RB#24	21.0±2
5MHz	16QAM	39675	12RB#0	21.0±2
5MHz	16QAM	39675	12RB#6	21.0±2
5MHz	16QAM	39675	12RB#13	21.0±2
5MHz	16QAM	39675	25RB#0	21.0±2
5MHz	16QAM	40620	1RB#0	21.0±2
5MHz	16QAM	40620	1RB#12	21.0±2
5MHz	16QAM	40620	1RB#24	21.0±2
5MHz	16QAM	40620	12RB#0	21.0±2
5MHz	16QAM	40620	12RB#6	21.0±2
5MHz	16QAM	40620	12RB#13	21.0±2
5MHz	16QAM	40620	25RB#0	21.0±2
5MHz	16QAM	41565	1RB#0	21.0±2
5MHz	16QAM	41565	1RB#12	21.0±2
5MHz	16QAM	41565	1RB#24	21.0±2
5MHz	16QAM	41565	12RB#0	21.0±2
5MHz	16QAM	41565	12RB#6	21.0±2
5MHz	16QAM	41565	12RB#13	21.0±2
5MHz	16QAM	41565	25RB#0	21.0±2
10MHz	QPSK	39700	1RB#0	21.0±2
10MHz	QPSK	39700	1RB#24	21.0±2
10MHz	QPSK	39700	1RB#49	21.0±2

Bandwidth	Modulation	Channel	RB Configuration	Tune up limited (dBm)
10MHz	QPSK	39700	25RB#0	21.0±2
10MHz	QPSK	39700	25RB#12	21.0±2
10MHz	QPSK	39700	25RB#25	21.0±2
10MHz	QPSK	39700	50RB#0	21.0±2
10MHz	QPSK	40620	1RB#0	21.0±2
10MHz	QPSK	40620	1RB#24	21.0±2
10MHz	QPSK	40620	1RB#49	21.0±2
10MHz	QPSK	40620	25RB#0	21.0±2
10MHz	QPSK	40620	25RB#12	21.0±2
10MHz	QPSK	40620	25RB#25	21.0±2
10MHz	QPSK	40620	50RB#0	21.0±2
10MHz	QPSK	41540	1RB#0	21.0±2
10MHz	QPSK	41540	1RB#24	21.0±2
10MHz	QPSK	41540	1RB#49	21.0±2
10MHz	QPSK	41540	25RB#0	21.0±2
10MHz	QPSK	41540	25RB#12	21.0±2
10MHz	QPSK	41540	25RB#25	21.0±2
10MHz	QPSK	41540	50RB#0	21.0±2
10MHz	16QAM	39700	1RB#0	21.0±2
10MHz	16QAM	39700	1RB#24	21.0±2
10MHz	16QAM	39700	1RB#49	21.0±2
10MHz	16QAM	39700	25RB#0	21.0±2
10MHz	16QAM	39700	25RB#12	21.0±2
10MHz	16QAM	39700	25RB#25	21.0±2
10MHz	16QAM	39700	50RB#0	21.0±2
10MHz	16QAM	40620	1RB#0	21.0±2
10MHz	16QAM	40620	1RB#24	21.0±2
10MHz	16QAM	40620	1RB#49	21.0±2
10MHz	16QAM	40620	25RB#0	21.0±2
10MHz	16QAM	40620	25RB#12	21.0±2
10MHz	16QAM	40620	25RB#25	21.0±2
10MHz	16QAM	40620	50RB#0	21.0±2
10MHz	16QAM	41540	1RB#0	21.0±2
10MHz	16QAM	41540	1RB#24	21.0±2
10MHz	16QAM	41540	1RB#49	21.0±2
10MHz	16QAM	41540	25RB#0	21.0±2
10MHz	16QAM	41540	25RB#12	21.0±2
10MHz	16QAM	41540	25RB#25	21.0±2
10MHz	16QAM	41540	50RB#0	21.0±2
15MHz	QPSK	39725	1RB#0	21.0±2
15MHz	QPSK	39725	1RB#38	21.0±2
15MHz	QPSK	39725	1RB#74	21.0±2
15MHz	QPSK	39725	38RB#0	21.0±2
15MHz	QPSK	39725	38RB#18	21.0±2
15MHz	QPSK	39725	38RB#37	21.0±2
15MHz	QPSK	39725	75RB#0	21.0±2
15MHz	QPSK	40620	1RB#0	21.0±2

Bandwidth	Modulation	Channel	RB Configuration	Tune up limited (dBm)
15MHz	QPSK	40620	1RB#38	21.0±2
15MHz	QPSK	40620	1RB#74	21.0±2
15MHz	QPSK	40620	38RB#0	21.0±2
15MHz	QPSK	40620	38RB#18	21.0±2
15MHz	QPSK	40620	38RB#37	21.0±2
15MHz	QPSK	40620	75RB#0	21.0±2
15MHz	QPSK	41515	1RB#0	21.0±2
15MHz	QPSK	41515	1RB#38	21.0±2
15MHz	QPSK	41515	1RB#74	21.0±2
15MHz	QPSK	41515	38RB#0	21.0±2
15MHz	QPSK	41515	38RB#18	21.0±2
15MHz	QPSK	41515	38RB#37	21.0±2
15MHz	QPSK	41515	75RB#0	21.0±2
15MHz	16QAM	39725	1RB#0	21.0±2
15MHz	16QAM	39725	1RB#38	21.0±2
15MHz	16QAM	39725	1RB#74	21.0±2
15MHz	16QAM	39725	38RB#0	21.0±2
15MHz	16QAM	39725	38RB#18	21.0±2
15MHz	16QAM	39725	38RB#37	21.0±2
15MHz	16QAM	39725	75RB#0	21.0±2
15MHz	16QAM	40620	1RB#0	21.0±2
15MHz	16QAM	40620	1RB#38	21.0±2
15MHz	16QAM	40620	1RB#74	21.0±2
15MHz	16QAM	40620	38RB#0	21.0±2
15MHz	16QAM	40620	38RB#18	21.0±2
15MHz	16QAM	40620	38RB#37	21.0±2
15MHz	16QAM	40620	75RB#0	21.0±2
15MHz	16QAM	41515	1RB#0	21.0±2
15MHz	16QAM	41515	1RB#38	21.0±2
15MHz	16QAM	41515	1RB#74	21.0±2
15MHz	16QAM	41515	38RB#0	21.0±2
15MHz	16QAM	41515	38RB#18	21.0±2
15MHz	16QAM	41515	38RB#37	21.0±2
15MHz	16QAM	41515	75RB#0	21.0±2
20MHz	QPSK	39750	1RB#0	21.0±2
20MHz	QPSK	39750	1RB#49	21.0±2
20MHz	QPSK	39750	1RB#99	21.0±2
20MHz	QPSK	39750	50RB#0	21.0±2
20MHz	QPSK	39750	50RB#25	21.0±2
20MHz	QPSK	39750	50RB#50	21.0±2
20MHz	QPSK	39750	100RB#0	21.0±2
20MHz	QPSK	40620	1RB#0	21.0±2
20MHz	QPSK	40620	1RB#49	21.0±2
20MHz	QPSK	40620	1RB#99	21.0±2
20MHz	QPSK	40620	50RB#0	21.0±2
20MHz	QPSK	40620	50RB#25	21.0±2
20MHz	QPSK	40620	50RB#50	21.0±2

Bandwidth	Modulation	Channel	RB Configuration	Tune up limited (dBm)
20MHz	QPSK	40620	100RB#0	21.0±2
20MHz	QPSK	41490	1RB#0	21.0±2
20MHz	QPSK	41490	1RB#49	21.0±2
20MHz	QPSK	41490	1RB#99	21.0±2
20MHz	QPSK	41490	50RB#0	21.0±2
20MHz	QPSK	41490	50RB#25	21.0±2
20MHz	QPSK	41490	50RB#50	21.0±2
20MHz	QPSK	41490	100RB#0	21.0±2
20MHz	16QAM	39750	1RB#0	21.0±2
20MHz	16QAM	39750	1RB#49	21.0±2
20MHz	16QAM	39750	1RB#99	21.0±2
20MHz	16QAM	39750	50RB#0	21.0±2
20MHz	16QAM	39750	50RB#25	21.0±2
20MHz	16QAM	39750	50RB#50	21.0±2
20MHz	16QAM	39750	100RB#0	21.0±2
20MHz	16QAM	40620	1RB#0	21.0±2
20MHz	16QAM	40620	1RB#49	21.0±2
20MHz	16QAM	40620	1RB#99	21.0±2
20MHz	16QAM	40620	50RB#0	21.0±2
20MHz	16QAM	40620	50RB#25	21.0±2
20MHz	16QAM	40620	50RB#50	21.0±2
20MHz	16QAM	40620	100RB#0	21.0±2
20MHz	16QAM	41490	1RB#0	21.0±2
20MHz	16QAM	41490	1RB#49	21.0±2
20MHz	16QAM	41490	1RB#99	21.0±2
20MHz	16QAM	41490	50RB#0	21.0±2
20MHz	16QAM	41490	50RB#25	21.0±2
20MHz	16QAM	41490	50RB#50	21.0±2
20MHz	16QAM	41490	100RB#0	21.0±2