

BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
1.4MHz	26697	814.7	QPSK	1	0	0	23.74
				1	2	0	23.62
				1	5	0	23.64
				3	0	0	23.83
				3	1	0	23.84
				3	2	0	23.74
				6	0	1	22.82
			16QAM	1	0	1	22.71
				1	2	1	22.67
				1	5	1	22.57
				3	0	1	22.64
				3	1	1	22.64
				3	2	1	22.62
				6	0	2	21.77
	26740	819.0	QPSK	1	0	0	23.69
				1	2	0	23.70
				1	5	0	23.55
				3	0	0	23.67
				3	1	0	23.67
				3	2	0	23.52
				6	0	1	22.73
			16QAM	1	0	1	22.62
				1	2	1	22.64
				1	5	1	22.44
				3	0	1	22.59
				3	1	1	22.56
				3	2	1	22.48
				6	0	2	21.68
	26783	823.3	QPSK	1	0	0	23.60
				1	2	0	23.67
				1	5	0	23.52
				3	0	0	23.61
				3	1	0	23.67
				3	2	0	23.56
				6	0	1	22.63
			16QAM	1	0	1	22.55
				1	2	1	22.62
				1	5	1	22.40
				3	0	1	22.56
				3	1	1	22.45
				3	2	1	22.35
				6	0	2	21.62

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### LTE Band 38

BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
20MHz	37850	2580.0	QPSK	1	0	0	22.65
				1	49	0	22.30
				1	99	0	22.59
				50	0	1	21.34
				50	25	1	21.35
				50	49	1	21.37
				100	0	1	21.38
			16QAM	1	0	1	21.72
				1	49	1	21.78
				1	99	1	21.29
				50	0	2	20.38
				50	25	2	20.37
				50	49	2	20.38
				100	0	2	20.33
	38000	2595	QPSK	1	0	0	22.25
				1	49	0	22.68
				1	99	0	21.95
				50	0	1	21.23
				50	25	1	21.04
				50	49	1	21.06
				100	0	1	21.16
			16QAM	1	0	1	21.31
				1	49	1	20.94
				1	99	1	20.74
				50	0	2	20.28
				50	25	2	20.09
				50	49	2	20.11
				100	0	2	20.12
	38150	2610.0	QPSK	1	0	0	22.24
				1	49	0	22.27
				1	99	0	22.52
				50	0	1	21.14
				50	25	1	21.39
				50	49	1	21.15
				100	0	1	21.28
			16QAM	1	0	1	21.05
				1	49	1	21.18
				1	99	1	21.47
				50	0	2	20.13
				50	25	2	20.13
				50	49	2	20.36
				100	0	2	20.29

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BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
15MHz	37825	2577.5	QPSK	1	0	0	22.74
				1	38	0	22.28
				1	74	0	22.58
				38	0	1	21.77
				38	18	1	21.24
				38	37	1	21.58
				75	0	1	21.31
			16QAM	1	0	1	21.76
				1	38	1	21.39
				1	74	1	21.60
				38	0	2	21.35
				38	18	2	21.76
				38	37	2	21.57
				75	0	2	20.35
	38000	2595	QPSK	1	0	0	22.30
				1	38	0	22.29
				1	74	0	21.89
				38	0	1	21.36
				38	18	1	21.06
				38	37	1	21.53
				75	0	1	21.05
			16QAM	1	0	1	21.34
				1	38	1	21.05
				1	74	1	21.51
				38	0	2	21.53
				38	18	2	21.33
				38	37	2	21.07
				75	0	2	20.11
	38175	2612.5	QPSK	1	0	0	22.45
				1	38	0	22.51
				1	74	0	22.20
				38	0	1	21.17
				38	18	1	20.89
				38	37	1	21.17
				75	0	1	21.24
			16QAM	1	0	1	20.86
				1	38	1	21.15
				1	74	1	21.21
				38	0	2	21.22
				38	18	2	20.90
				38	37	2	21.24
				75	0	2	20.24

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BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
10MHz	37800	2575.0	QPSK	1	0	0	21.35
				1	24	0	21.62
				1	49	0	21.83
				25	0	1	20.45
				25	12	1	20.47
				25	25	1	20.40
				50	0	1	20.44
			16QAM	1	0	1	20.81
				1	24	1	20.71
				1	49	1	20.33
				25	0	2	19.41
				25	12	2	19.46
				25	25	2	19.46
				50	0	2	19.42
	38000	2595.0	QPSK	1	0	0	21.48
				1	24	0	21.55
				1	49	0	21.13
				25	0	1	20.34
				25	12	1	20.21
				25	25	1	20.16
				50	0	1	20.19
			16QAM	1	0	1	20.63
				1	24	1	20.59
				1	49	1	19.97
				25	0	2	19.35
				25	12	2	19.20
				25	25	2	19.21
				50	0	2	19.22
	38200	2615.0	QPSK	1	0	0	21.25
				1	24	0	21.63
				1	49	0	21.62
				25	0	1	20.31
				25	12	1	20.40
				25	25	1	20.33
				50	0	1	20.31
			16QAM	1	0	1	19.98
				1	24	1	20.26
				1	49	1	20.47
				25	0	2	19.36
				25	12	2	19.36
				25	25	2	19.33
				50	0	2	19.29

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BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
5MHz	37775	2572.5	QPSK	1	0	0	21.56
				1	12	0	21.37
				1	24	0	21.29
				12	0	1	20.46
				12	6	1	20.42
				12	13	1	20.37
				25	0	1	20.39
			16QAM	1	0	1	20.91
				1	12	1	20.66
				1	24	1	20.64
				12	0	2	19.52
				12	6	2	19.49
				12	13	2	19.33
				25	0	2	19.32
	38000	2595	QPSK	1	0	0	21.26
				1	12	0	21.19
				1	24	0	21.12
				12	0	1	20.20
				12	6	1	20.14
				12	13	1	20.14
				25	0	1	20.14
			16QAM	1	0	1	20.17
				1	12	1	20.09
				1	24	1	20.24
				12	0	2	19.13
				12	6	2	19.12
				12	13	2	19.22
				25	0	2	19.14
	38225	2617.5	QPSK	1	0	0	21.23
				1	12	0	21.41
				1	24	0	21.36
				12	0	1	20.32
				12	6	1	20.34
				12	13	1	20.21
				25	0	1	20.34
			16QAM	1	0	1	20.27
				1	12	1	20.36
				1	24	1	20.36
				12	0	2	19.30
				12	6	2	19.29
				12	13	2	19.21
				25	0	2	19.25

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### LTE Band 40-Lower Side

BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
10MHz	38750	2310	QPSK	1	0	0	21.71
				1	24	0	21.78
				1	49	0	21.36
				25	0	1	20.65
				25	12	1	20.55
				25	25	1	20.54
				50	0	1	20.55
			16QAM	1	0	1	20.76
				1	24	1	20.79
				1	49	1	20.49
				25	0	2	19.50
				25	12	2	19.50
				25	25	2	19.50
				50	0	2	19.54

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BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
5MHz	38725	2307.5	QPSK	1	0	0	21.52
				1	12	0	21.56
				1	24	0	21.66
				12	0	1	20.53
				12	6	1	20.48
				12	13	1	20.52
				25	0	1	20.45
			16QAM	1	0	1	20.64
				1	12	1	20.47
				1	24	1	20.50
				12	0	2	19.46
				12	6	2	19.48
				12	13	2	19.47
				25	0	2	19.45
	38750	2310	QPSK	1	0	0	21.46
				1	12	0	21.43
				1	24	0	21.42
				12	0	1	20.53
				12	6	1	20.52
				12	13	1	20.52
				25	0	1	20.49
			16QAM	1	0	1	20.64
				1	12	1	20.52
				1	24	1	20.72
				12	0	2	19.53
				12	6	2	19.54
				12	13	2	19.46
				25	0	2	19.39
	38775	2312.5	QPSK	1	0	0	21.40
				1	12	0	21.63
				1	24	0	21.66
				12	0	1	20.64
				12	6	1	20.58
				12	13	1	20.71
				25	0	1	20.57
			16QAM	1	0	1	20.85
				1	12	1	20.90
				1	24	1	20.43
				12	0	2	19.65
				12	6	2	19.66
				12	13	2	19.67
				25	0	2	19.62

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### LTE Band 40-Upper Side

BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
10MHz	39200	2355	QPSK	1	0	0	21.41
				1	24	0	21.71
				1	49	0	21.82
				25	0	1	20.60
				25	12	1	20.54
				25	25	1	20.62
				50	0	1	20.54
			16QAM	1	0	1	20.29
				1	24	1	20.74
				1	49	1	20.62
				25	0	2	19.60
				25	12	2	19.61
				25	25	2	19.52
				50	0	2	19.63

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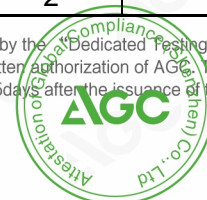
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BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
5MHz	39175	2352.5	QPSK	1	0	0	21.59
				1	12	0	21.53
				1	24	0	21.57
				12	0	1	20.53
				12	6	1	20.53
				12	13	1	20.55
				25	0	1	20.57
			16QAM	1	0	1	20.75
				1	12	1	20.83
				1	24	1	20.68
				12	0	2	19.57
				12	6	2	19.56
				12	13	2	19.57
				25	0	2	19.52
	39200	2355	QPSK	1	0	0	21.81
				1	12	0	21.59
				1	24	0	21.49
				12	0	1	20.51
				12	6	1	20.53
				12	13	1	20.42
				25	0	1	20.55
			16QAM	1	0	1	20.42
				1	12	1	20.50
				1	24	1	20.53
				12	0	2	19.43
				12	6	2	19.52
				12	13	2	19.51
				25	0	2	19.52
	39225	2357.5	QPSK	1	0	0	21.65
				1	12	0	21.52
				1	24	0	21.51
				12	0	1	20.45
				12	6	1	20.47
				12	13	1	20.50
				25	0	1	20.53
			16QAM	1	0	1	20.49
				1	12	1	20.45
				1	24	1	20.31
				12	0	2	19.44
				12	6	2	19.46
				12	13	2	19.44
				25	0	2	19.50

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### LTE Band 41

BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
20MHz	39750	2506.0	QPSK	1	0	0	23.66
				1	49	0	23.45
				1	99	0	23.99
				50	0	1	22.62
				50	25	1	22.63
				50	49	1	22.56
				100	0	1	22.57
			16QAM	1	0	1	22.65
				1	49	1	22.97
				1	99	1	22.44
				50	0	2	21.60
				50	25	2	21.66
				50	49	2	21.66
				100	0	2	21.60
	40620	2593.0	QPSK	1	0	0	22.51
				1	49	0	22.07
				1	99	0	22.00
				50	0	1	21.04
				50	25	1	21.33
				50	49	1	21.33
				100	0	1	21.18
			16QAM	1	0	1	21.02
				1	49	1	21.48
				1	99	1	20.97
				50	0	2	20.05
				50	25	2	20.35
				50	49	2	20.35
				100	0	2	20.19
	41490	2680.0	QPSK	1	0	0	22.31
				1	49	0	21.95
				1	99	0	20.88
				50	0	1	20.66
				50	25	1	20.02
				50	49	1	20.67
				100	0	1	20.37
			16QAM	1	0	1	20.33
				1	49	1	20.96
				1	99	1	19.90
				50	0	2	19.73
				50	25	2	19.74
				50	49	2	19.09
				100	0	2	19.42

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BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
15MHz	39725	2503.5	QPSK	1	0	0	23.80
				1	38	0	23.33
				1	74	0	23.58
				38	0	1	22.92
				38	18	1	22.48
				38	37	1	22.75
				75	0	1	22.33
			16QAM	1	0	1	22.96
				1	38	1	22.51
				1	74	1	22.76
				38	0	2	22.48
				38	18	2	22.92
				38	37	2	22.74
				75	0	2	21.35
	40620	2593.0	QPSK	1	0	0	22.33
				1	38	0	21.94
				1	74	0	21.83
				38	0	1	21.40
				38	18	1	20.93
				38	37	1	21.05
				75	0	1	20.96
			16QAM	1	0	1	21.44
				1	38	1	20.96
				1	74	1	21.07
				38	0	2	21.05
				38	18	2	21.40
				38	37	2	20.92
				75	0	2	19.95
	41515	2682.5	QPSK	1	0	0	20.71
				1	38	0	21.72
				1	74	0	21.25
				38	0	1	20.82
				38	18	1	20.40
				38	37	1	19.90
				75	0	1	19.97
			16QAM	1	0	1	20.43
				1	38	1	20.88
				1	74	1	19.91
				38	0	2	20.82
				38	18	2	20.40
				38	37	2	19.90
				75	0	2	19.02

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BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
10MHz	39700	2501.0	QPSK	1	0	0	22.70
				1	24	0	22.74
				1	49	0	22.68
				25	0	1	21.88
				25	12	1	21.88
				25	25	1	21.98
				50	0	1	21.97
			16QAM	1	0	1	22.04
				1	24	1	21.82
				1	49	1	22.00
				25	0	2	20.98
				25	12	2	20.87
				25	25	2	20.86
				50	0	2	20.97
	40620	2593.0	QPSK	1	0	0	21.58
				1	24	0	21.49
				1	49	0	21.48
				25	0	1	20.68
				25	12	1	20.68
				25	25	1	20.68
				50	0	1	20.66
			16QAM	1	0	1	20.58
				1	24	1	20.73
				1	49	1	20.67
				25	0	2	19.68
				25	12	2	19.66
				25	25	2	19.65
				50	0	2	19.65
	41540	2685.0	QPSK	1	0	0	20.78
				1	24	0	21.14
				1	49	0	20.30
				25	0	1	20.17
				25	12	1	19.74
				25	25	1	20.17
				50	0	1	20.05
			16QAM	1	0	1	19.97
				1	24	1	20.35
				1	49	1	19.52
				25	0	2	19.06
				25	12	2	19.11
				25	25	2	18.69
				50	0	2	18.97

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BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
5MHz	39675	2498.5	QPSK	1	0	0	22.90
				1	12	0	22.79
				1	24	0	22.82
				12	0	1	21.90
				12	6	1	21.86
				12	13	1	21.84
				25	0	1	21.88
			16QAM	1	0	1	21.94
				1	12	1	21.91
				1	24	1	21.85
				12	0	2	20.94
				12	6	2	20.93
				12	13	2	20.90
				25	0	2	20.92
	40620	2593.0	QPSK	1	0	0	21.70
				1	12	0	21.62
				1	24	0	21.64
				12	0	1	20.74
				12	6	1	20.74
				12	13	1	20.63
				25	0	1	20.62
			16QAM	1	0	1	20.89
				1	12	1	20.69
				1	24	1	20.74
				12	0	2	19.69
				12	6	2	19.73
				12	13	2	19.73
				25	0	2	19.70
	41565	2687.5	QPSK	1	0	0	20.44
				1	12	0	20.79
				1	24	0	20.86
				12	0	1	19.85
				12	6	1	19.89
				12	13	1	19.65
				25	0	1	19.75
			16QAM	1	0	1	19.88
				1	12	1	19.93
				1	24	1	19.58
				12	0	2	18.97
				12	6	2	19.01
				12	13	2	18.73
				25	0	2	18.81

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### LTE Band 66

BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
20MHz	132072	1720.0	QPSK	1	0	0	23.65
				1	49	0	22.87
				1	99	0	23.28
				50	0	1	21.90
				50	25	1	21.98
				50	49	1	21.87
				100	0	1	21.85
			16QAM	1	0	1	22.07
				1	49	1	21.70
				1	99	1	22.35
				50	0	2	20.96
				50	25	2	20.89
				50	49	2	20.96
				100	0	2	20.91
	132322	1745.0	QPSK	1	0	0	22.91
				1	49	0	22.43
				1	99	0	22.38
				50	0	1	21.46
				50	25	1	21.41
				50	49	1	21.36
				100	0	1	21.45
			16QAM	1	0	1	21.40
				1	49	1	21.42
				1	99	1	21.99
				50	0	2	20.47
				50	25	2	20.34
				50	49	2	20.45
				100	0	2	20.42
	132572	1770.0	QPSK	1	0	0	22.60
				1	49	0	22.15
				1	99	0	22.39
				50	0	1	21.33
				50	25	1	21.36
				50	49	1	21.16
				100	0	1	21.16
			16QAM	1	0	1	22.11
				1	49	1	21.63
				1	99	1	21.99
				50	0	2	20.32
				50	25	2	20.32
				50	49	2	20.14
				100	0	2	20.12

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BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
15MHz	132047	1717.5	QPSK	1	0	0	23.07
				1	37	0	23.55
				1	74	0	22.88
				36	0	1	22.02
				36	16	1	21.82
				36	35	1	22.53
				75	0	1	21.92
			16QAM	1	0	1	22.58
				1	37	1	21.95
				1	74	1	21.84
				36	0	2	22.63
				36	16	2	22.01
				36	35	2	21.86
				75	0	2	20.86
	132322	1745.0	QPSK	1	0	0	22.68
				1	37	0	22.48
				1	74	0	22.90
				36	0	1	21.77
				36	16	1	21.44
				36	35	1	21.32
				75	0	1	21.34
			16QAM	1	0	1	21.29
				1	37	1	21.47
				1	74	1	21.78
				36	0	2	21.31
				36	16	2	21.78
				36	35	2	21.51
				75	0	2	20.32
	132597	1772.5	QPSK	1	0	0	21.96
				1	37	0	22.10
				1	74	0	22.59
				36	0	1	21.43
				36	16	1	22.11
				36	35	1	21.37
				75	0	1	21.30
			16QAM	1	0	1	21.40
				1	37	1	22.14
				1	74	1	21.45
				36	0	2	22.08
				36	16	2	21.36
				36	35	2	21.47
				75	0	2	20.18

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Attestation of Global Compliance(Shenzhen)Co., Ltd  
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BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
10MHz	132022	1715.0	QPSK	1	0	0	22.85
				1	24	0	23.03
				1	49	0	23.47
				25	0	1	22.16
				25	12	1	22.15
				25	25	1	22.05
				50	0	1	22.11
			16QAM	1	0	1	22.30
				1	24	1	22.62
				1	49	1	21.99
				25	0	2	21.12
				25	12	2	21.13
				25	25	2	21.02
				50	0	2	21.08
	132322	1745.0	QPSK	1	0	0	22.91
				1	24	0	22.08
				1	49	0	22.50
				25	0	1	21.57
				25	12	1	21.60
				25	25	1	21.56
				50	0	1	21.48
			16QAM	1	0	1	22.05
				1	24	1	21.33
				1	49	1	21.71
				25	0	2	20.60
				25	12	2	20.54
				25	25	2	20.53
				50	0	2	20.44
	132622	1775.0	QPSK	1	0	0	22.01
				1	24	0	22.11
				1	49	0	21.85
				25	0	1	21.21
				25	12	1	21.21
				25	25	1	21.23
				50	0	1	21.15
			16QAM	1	0	1	20.75
				1	24	1	21.12
				1	49	1	20.64
				25	0	2	20.30
				25	12	2	20.23
				25	25	2	20.22
				50	0	2	20.15

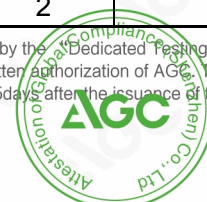
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BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
5MHz	131997	1712.5	QPSK	1	0	0	23.39
				1	12	0	23.44
				1	24	0	23.59
				12	0	1	22.44
				12	6	1	22.45
				12	11	1	22.35
				25	0	1	22.40
			16QAM	1	0	1	22.41
				1	12	1	22.41
				1	24	1	22.39
				12	0	2	21.30
				12	6	2	21.39
				12	11	2	21.37
				25	0	2	21.41
	132322	1745.0	QPSK	1	0	0	22.51
				1	12	0	22.60
				1	24	0	22.49
				12	0	1	21.43
				12	6	1	21.43
				12	11	1	21.48
				25	0	1	21.39
			16QAM	1	0	1	21.49
				1	12	1	21.32
				1	24	1	21.55
				12	0	2	20.38
				12	6	2	20.46
				12	11	2	20.39
				25	0	2	20.32
	132647	1777.5	QPSK	1	0	0	22.38
				1	12	0	22.42
				1	24	0	22.10
				12	0	1	21.27
				12	6	1	21.29
				12	11	1	21.14
				25	0	1	21.13
			16QAM	1	0	1	21.68
				1	12	1	21.48
				1	24	1	21.58
				12	0	2	20.34
				12	6	2	20.34
				12	11	2	20.23
				25	0	2	20.18

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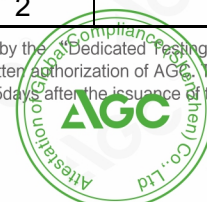
BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
3MHz	131987	1711.5	QPSK	1	0	0	23.45
				1	7	0	23.51
				1	14	0	23.43
				8	0	1	22.26
				8	4	1	22.32
				8	7	1	22.23
				15	0	1	22.35
			16QAM	1	0	1	22.38
				1	7	1	22.11
				1	14	1	22.31
				8	0	2	21.17
				8	4	2	21.24
				8	7	2	21.28
				15	0	2	21.36
	132322	1745.0	QPSK	1	0	0	22.37
				1	7	0	22.46
				1	14	0	22.42
				8	0	1	21.31
				8	4	1	21.31
				8	7	1	21.38
				15	0	1	21.28
			16QAM	1	0	1	21.54
				1	7	1	21.41
				1	14	1	21.42
				8	0	2	20.35
				8	4	2	20.35
				8	7	2	20.30
				15	0	2	20.26
	132657	1778.5	QPSK	1	0	0	22.03
				1	7	0	22.02
				1	14	0	22.13
				8	0	1	21.09
				8	4	1	21.08
				8	7	1	21.09
				15	0	1	21.02
			16QAM	1	0	1	20.97
				1	7	1	21.12
				1	14	1	21.06
				8	0	2	20.08
				8	4	2	20.01
				8	7	2	20.03
				15	0	2	20.00

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BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
1.4MHz	131979	1710.7	QPSK	1	0	0	23.36
				1	2	0	23.37
				1	5	0	23.25
				3	0	0	23.27
				3	1	0	23.29
				3	2	0	23.28
				6	0	1	22.29
			16QAM	1	0	1	22.29
				1	2	1	22.21
				1	5	1	22.22
				3	0	1	22.23
				3	1	1	22.23
				3	2	1	22.23
				6	0	2	21.21
	132322	1745.0	QPSK	1	0	0	22.23
				1	2	0	22.29
				1	5	0	22.24
				3	0	0	22.25
				3	1	0	22.24
				3	2	0	22.20
				6	0	1	21.30
			16QAM	1	0	1	21.14
				1	2	1	21.26
				1	5	1	21.27
				3	0	1	21.01
				3	1	1	21.05
				3	2	1	21.09
				6	0	2	20.31
	132665	1779.3	QPSK	1	0	0	22.03
				1	2	0	21.95
				1	5	0	22.09
				3	0	0	21.98
				3	1	0	21.81
				3	2	0	22.00
				6	0	1	21.01
			16QAM	1	0	1	21.11
				1	2	1	20.98
				1	5	1	21.02
				3	0	1	20.92
				3	1	1	21.02
				3	2	1	20.87
				6	0	2	19.91

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### LTE Band 71

BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
20MHz	133222	673.0	QPSK	1	0	0	22.74
				1	49	0	22.72
				1	99	0	23.21
				50	0	1	21.68
				50	25	1	21.67
				50	49	1	21.70
				100	0	1	21.77
			16QAM	1	0	1	21.72
				1	49	1	21.67
				1	99	1	21.98
				50	0	2	20.65
				50	25	2	20.64
				50	49	2	20.69
				100	0	2	20.75
	133322	680.5	QPSK	1	0	0	23.24
				1	49	0	23.05
				1	99	0	23.65
				50	0	1	22.02
				50	25	1	22.04
				50	49	1	22.23
				100	0	1	22.15
			16QAM	1	0	1	22.02
				1	49	1	21.97
				1	99	1	22.46
				50	0	2	21.00
				50	25	2	21.01
				50	49	2	21.29
				100	0	2	21.09
	133372	688.0	QPSK	1	0	0	23.31
				1	49	0	23.07
				1	99	0	23.88
				50	0	1	22.14
				50	25	1	22.13
				50	49	1	22.49
				100	0	1	22.26
			16QAM	1	0	1	22.45
				1	49	1	22.53
				1	99	1	23.03
				50	0	2	21.11
				50	25	2	21.12
				50	49	2	21.50
				100	0	2	21.24

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BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
15MHz	133197	670.5	QPSK	1	0	0	22.56
				1	37	0	22.64
				1	74	0	22.92
				36	0	1	21.54
				36	16	1	21.50
				36	35	1	21.79
				75	0	1	21.63
			16QAM	1	0	1	21.64
				1	37	1	21.54
				1	74	1	21.93
				36	0	2	21.53
				36	16	2	21.53
				36	35	2	21.81
				75	0	2	20.66
	133297	680.5	QPSK	1	0	0	22.70
				1	37	0	22.71
				1	74	0	23.07
				36	0	1	22.16
				36	16	1	22.13
				36	35	1	22.28
				75	0	1	21.83
			16QAM	1	0	1	21.94
				1	37	1	22.06
				1	74	1	22.36
				36	0	2	22.06
				36	16	2	22.09
				36	35	2	22.30
				75	0	2	20.81
	133397	690.5	QPSK	1	0	0	23.21
				1	37	0	23.34
				1	74	0	23.64
				36	0	1	22.18
				36	16	1	22.36
				36	35	1	22.58
				75	0	1	22.40
			16QAM	1	0	1	22.13
				1	37	1	22.21
				1	74	1	22.64
				36	0	2	22.06
				36	16	2	22.35
				36	35	2	22.56
				75	0	2	21.34

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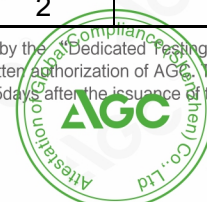
BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
10MHz	133172	668.0	QPSK	1	0	0	22.72
				1	24	0	22.46
				1	49	0	22.80
				25	0	1	21.62
				25	12	1	21.72
				25	25	1	21.60
				50	0	1	21.60
			16QAM	1	0	1	21.66
				1	24	1	21.50
				1	49	1	21.85
				25	0	2	20.63
				25	12	2	20.58
				25	25	2	20.61
				50	0	2	20.65
	133297	680.5	QPSK	1	0	0	22.88
				1	24	0	22.97
				1	49	0	23.15
				25	0	1	21.97
				25	12	1	21.99
				25	25	1	22.07
				50	0	1	21.96
			16QAM	1	0	1	22.00
				1	24	1	21.87
				1	49	1	21.89
				25	0	2	20.98
				25	12	2	20.98
				25	25	2	21.07
				50	0	2	20.93
	133422	693.0	QPSK	1	0	0	23.51
				1	24	0	23.46
				1	49	0	23.81
				25	0	1	22.51
				25	12	1	22.43
				25	25	1	22.66
				50	0	1	22.52
			16QAM	1	0	1	22.70
				1	24	1	22.66
				1	49	1	23.00
				25	0	2	21.45
				25	12	2	21.45
				25	25	2	21.61
				50	0	2	21.46

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BW (MHz)	Ch	Freq. (MHz)	Mode	UL RB Allocation	UL RB Offset	MPR	Average power (dBm)
5MHz	133147	665.5	QPSK	1	0	0	22.63
				1	12	0	22.51
				1	24	0	22.49
				12	0	1	21.42
				12	6	1	21.43
				12	11	1	21.41
				25	0	1	21.40
			16QAM	1	0	1	21.51
				1	12	1	21.36
				1	24	1	21.47
				12	0	2	20.41
				12	6	2	20.41
				12	11	2	20.39
				25	0	2	20.45
	133297	680.5	QPSK	1	0	0	22.93
				1	12	0	22.98
				1	24	0	23.02
				12	0	1	21.92
				12	6	1	21.92
				12	11	1	22.01
				25	0	1	21.89
			16QAM	1	0	1	22.19
				1	12	1	22.16
				1	24	1	22.29
				12	0	2	20.98
				12	6	2	20.98
				12	11	2	21.05
				25	0	2	20.84
	133447	695.5	QPSK	1	0	0	23.65
				1	12	0	23.71
				1	24	0	23.71
				12	0	1	22.43
				12	6	1	22.55
				12	11	1	22.64
				25	0	1	22.62
			16QAM	1	0	1	22.63
				1	12	1	22.76
				1	24	1	22.69
				12	0	2	21.51
				12	6	2	21.53
				12	11	2	21.62
				25	0	2	21.58

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## 8. RADIATED OUTPUT POWER

### 8.1 PROVISIONS APPLICABLE

The radiation test is carried out in a semi-anechoic chamber.

According to the test, put the device under test on a non-conductive platform 3 meters away from the receiving antenna (ANSI/TIA-603-E-2016 Article 2.2.17).

The following rules are for the maximum radiated power limit requirements of the product:

Mode	Nominal Peak Power
LTE Band 2	< 2 Watts max. EIRP (33dBm)
LTE Band 4	< 1 Watts max. EIRP (30dBm)
LTE Band 5	< 7 Watts max. ERP (38.45dBm)
LTE Band 7	< 2 Watts max. EIRP (33dBm)
LTE Band 12	< 3 Watts max. ERP (34.77dBm)
LTE Band 13	< 3 Watts max. ERP (34.77dBm)
LTE Band 17	< 3 Watts max. ERP (34.77dBm)
LTE Band 25	< 2 Watts max. EIRP (33dBm)
LTE Band 26A	< 7 Watts max. ERP (38.45dBm)
LTE Band 26B	< 100 Watts max. ERP (50dBm)
LTE Band 38	< 2 Watts max. EIRP (33dBm)
LTE Band 40	< 0.25 Watts max. EIRP (23.98dBm)
LTE Band 41	< 2 Watts max. EIRP (33dBm)
LTE Band 66	< 1 Watts max. EIRP (30dBm)
LTE Band 71	< 3 Watts max. ERP (34.77dBm)

### 8.2 MEASUREMENT METHOD

1. Radiated power measurements are performed using the signal analyzer's "channel power" measurement capability for signals with continuous operation.
2. RBW = 1 – 5% of the expected OBW, not to exceed 1MHz
3. VBW  $\geq 3 \times$  RBW
4. Span = 1.5 times the OBW
5. No. of sweep points > 2 x span / RBW
6. Detector = RMS
7. Trigger is set to "free run" for signals with continuous operation with the sweep times set to "auto".
8. The integration bandwidth was roughly set equal to the measured OBW of the signal for signals with continuous operation.
9. Trace mode = trace averaging (RMS) over 100 sweeps
10. The trace was allowed to stabilize.

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### RADIATION CONSTRUCTION METHOD:

1. The turntable is rotated through 360 degrees, and the receiving antenna scans in order to determine the level of the maximized emission.
2. A half wave dipole is then substituted in place of the EUT. For emissions above 1GHz, a horn antenna is substituted in place of the EUT. The substitute antenna is driven by a signal generator and the previously recorded signal was duplicated.

The power is calculated by the following formula:

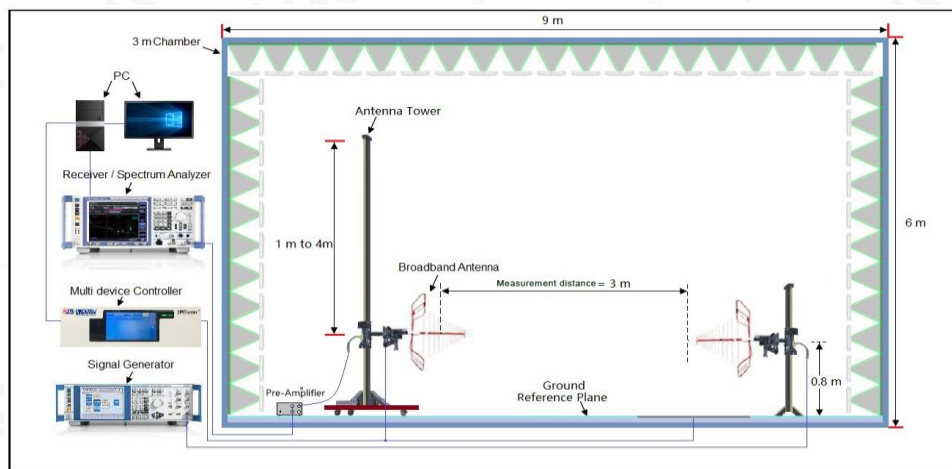
$$P_d(\text{dBm}) = P_g(\text{dBm}) - \text{cable loss (dB)} + \text{antenna gain (dB)}$$

Where:  $P_d$  is the dipole equivalent power and  $P_g$  is the generator output power into the substitution antenna.

3. The maximum value is calculated by adding the forward power to the calibrated source plus its appropriate gain value. These steps are repeated with the receiving antenna in both vertical and horizontal polarization. the difference between the gain of the horn and an isotropic antenna are taken into consideration
4. The EUT was tested in three orthogonal planes (X, Y, Z) and in all possible test configurations and positioning.
5. All measurements are performed as RMS average measurements while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies.

### 8.3 MEASUREMENT SETUP

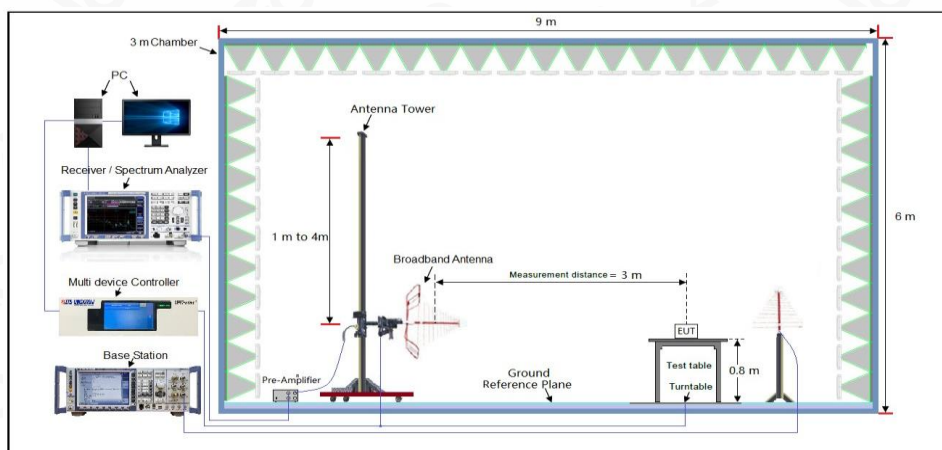
## Radiated Power 30MHz to 1GHz Test setup



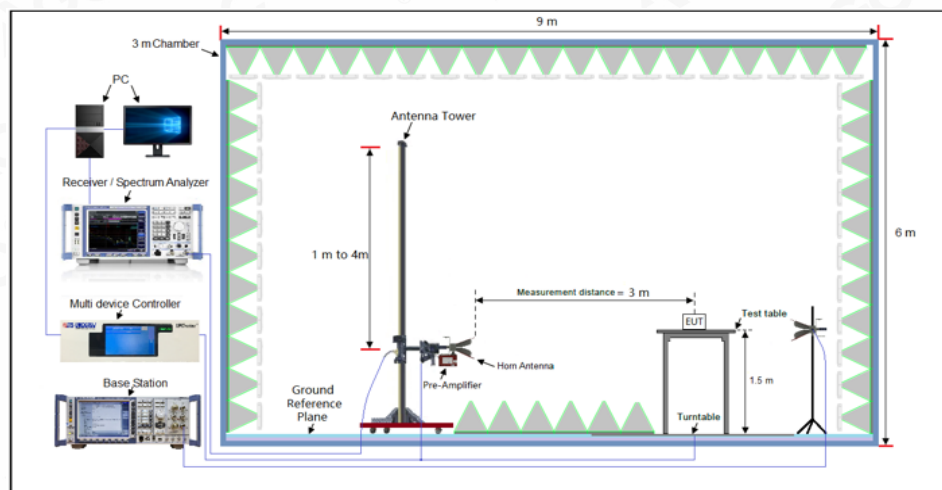
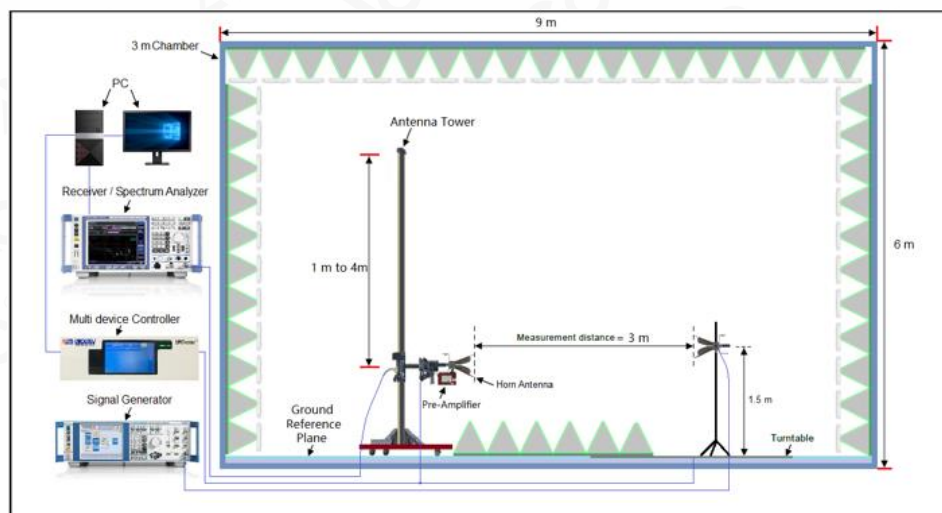
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**Radiated Power Above 1GHz Test setup**



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