



Test Band: 4 _ 3MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	20.06	21.02	21.26	/	0.37	20.43	21.39	21.63	30	PASS
		7	20.33	21.03	21.35	/	0.37	20.7	21.4	21.72	30	PASS
		14	20.39	20.89	21.11	/	0.37	20.76	21.26	21.48	30	PASS
	8	0	19.17	20.03	20.22	/	0.37	19.54	20.4	20.59	30	PASS
		4	19.33	20.01	20.2	/	0.37	19.7	20.38	20.57	30	PASS
		7	19.31	19.9	20.13	/	0.37	19.68	20.27	20.5	30	PASS
	15	0	19.25	19.97	20.21	/	0.37	19.62	20.34	20.58	30	PASS
	1		19.27	20.59	20.34	/	0.37	19.64	20.96	20.71	30	PASS
	16QAM	1	7	19.53	20.62	20.34	/	0.37	19.9	20.99	20.71	30
14			19.63	20.4	20.13	/	0.37	20	20.77	20.5	30	PASS
8			0	18.22	19.24	19.31	/	0.37	18.59	19.61	19.68	30
		4	18.37	19.24	19.32	/	0.37	18.74	19.61	19.69	30	PASS
		7	18.35	19.12	19.23	/	0.37	18.72	19.49	19.6	30	PASS
15		0	18.29	19.08	19.28	/	0.37	18.66	19.45	19.65	30	PASS
Note:												
1) dBd = dBi - 2.15												
2) EIRP = Conducted output power + Antenna gain (dBi)												



Test Band: 4 _ 5MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	20.13	21.05	21.31	/	0.37	20.5	21.42	21.68	30	PASS
		13	20.47	21.01	21.32	/	0.37	20.84	21.38	21.69	30	PASS
		24	20.67	20.8	21.12	/	0.37	21.04	21.17	21.49	30	PASS
	12	0	19.23	20.05	20.28	/	0.37	19.6	20.42	20.65	30	PASS
		6	19.41	19.99	20.25	/	0.37	19.78	20.36	20.62	30	PASS
		13	19.57	19.92	20.18	/	0.37	19.94	20.29	20.55	30	PASS
	25	0	19.39	19.94	20.2	/	0.37	19.76	20.31	20.57	30	PASS
	19.38		20	20.38	/	0.37	19.75	20.37	20.75	30	PASS	
	16QAM	1	13	19.82	19.96	20.41	/	0.37	20.19	20.33	20.78	30
24			20.01	19.79	20.24	/	0.37	20.38	20.16	20.61	30	PASS
0			18.32	19.12	19.33	/	0.37	18.69	19.49	19.7	30	PASS
12		6	18.49	19.05	19.33	/	0.37	18.86	19.42	19.7	30	PASS
		13	18.66	18.98	19.2	/	0.37	19.03	19.35	19.57	30	PASS
		0	18.44	19.08	19.3	/	0.37	18.81	19.45	19.67	30	PASS

Note:
1) dBd = dBi - 2.15
2) EIRP = Conducted output power + Antenna gain (dBi)



Test Band: 4 _ 10MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	20.15	21.24	21.21	/	0.37	20.52	21.61	21.58	30	PASS
		25	20.75	20.95	21.27	/	0.37	21.12	21.32	21.64	30	PASS
		49	21.18	20.84	21.14	/	0.37	21.55	21.21	21.51	30	PASS
	25	0	19.41	20.08	20.23	/	0.37	19.78	20.45	20.6	30	PASS
		13	19.82	19.98	20.29	/	0.37	20.19	20.35	20.66	30	PASS
		25	20.07	19.85	20.23	/	0.37	20.44	20.22	20.6	30	PASS
	50	0	19.75	19.96	20.23	/	0.37	20.12	20.33	20.6	30	PASS
	19.33		20.81	20.21	/	0.37	19.7	21.18	20.58	30	PASS	
	16QAM	1	25	20	20.53	20.33	/	0.37	20.37	20.9	20.7	30
49			20.47	20.33	20.11	/	0.37	20.84	20.7	20.48	30	PASS
25			0	18.48	19.24	19.36	/	0.37	18.85	19.61	19.73	30
		13	18.88	19.11	19.4	/	0.37	19.25	19.48	19.77	30	PASS
		25	19.13	19.03	19.34	/	0.37	19.5	19.4	19.71	30	PASS
50		0	18.85	19.11	19.29	/	0.37	19.22	19.48	19.66	30	PASS

Note:

1) dBd = dBi - 2.15

2) EIRP = Conducted output power + Antenna gain (dBi)



Test Band: 4 _ 15MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	20.12	21.29	20.88	/	0.37	20.49	21.66	21.25	30	PASS
		38	21.03	20.93	21.17	/	0.37	21.4	21.3	21.54	30	PASS
		74	21.27	20.72	21.01	/	0.37	21.64	21.09	21.38	30	PASS
	36	0	19.58	20.16	20.04	/	0.37	19.95	20.53	20.41	30	PASS
		18	20.04	19.95	20.19	/	0.37	20.41	20.32	20.56	30	PASS
		39	20.3	19.81	20.25	/	0.37	20.67	20.18	20.62	30	PASS
	75	0	19.99	19.98	20.07	/	0.37	20.36	20.35	20.44	30	PASS
	19.34		20.88	20.27	/	0.37	19.71	21.25	20.64	30	PASS	
	16QAM	1	38	20.3	20.52	20.62	/	0.37	20.67	20.89	20.99	30
74			20.5	20.32	20.42	/	0.37	20.87	20.69	20.79	30	PASS
36			0	18.71	19.27	19.08	/	0.37	19.08	19.64	19.45	30
		18	19.12	19.13	19.26	/	0.37	19.49	19.5	19.63	30	PASS
		39	19.36	18.93	19.31	/	0.37	19.73	19.3	19.68	30	PASS
75		0	19.1	19.09	19.18	/	0.37	19.47	19.46	19.55	30	PASS

Note:

1) dBd = dBi - 2.15

2) EIRP = Conducted output power + Antenna gain (dBi)



Test Band: 4 _ 20MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	20.15	21.28	20.75	/	0.37	20.52	21.65	21.12	30	PASS
		50	21.24	20.88	21.07	/	0.37	21.61	21.25	21.44	30	PASS
		99	21.13	20.86	21.01	/	0.37	21.5	21.23	21.38	30	PASS
	50	0	19.79	20.2	19.91	/	0.37	20.16	20.57	20.28	30	PASS
		25	20.26	19.98	20.13	/	0.37	20.63	20.35	20.5	30	PASS
		50	20.31	19.82	20.16	/	0.37	20.68	20.19	20.53	30	PASS
	100	0	20.08	20.03	20	/	0.37	20.45	20.4	20.37	30	PASS
			19.42	20.66	20.34	/	0.37	19.79	21.03	20.71	30	PASS
			20.54	20.24	20.63	/	0.37	20.91	20.61	21	30	PASS
16QAM	1	50	20.54	20.24	20.63	/	0.37	20.91	20.61	21	30	PASS
		99	20.37	20.22	20.67	/	0.37	20.74	20.59	21.04	30	PASS
		0	18.82	19.26	18.97	/	0.37	19.19	19.63	19.34	30	PASS
	50	25	19.29	19.06	19.18	/	0.37	19.66	19.43	19.55	30	PASS
		50	19.35	18.9	19.22	/	0.37	19.72	19.27	19.59	30	PASS
		0	19.12	19.11	19.08	/	0.37	19.49	19.48	19.45	30	PASS
	100	0	19.12	19.11	19.08	/	0.37	19.49	19.48	19.45	30	PASS

Note:

1) dBd = dBi - 2.15

2) EIRP = Conducted output power + Antenna gain (dBi)



FCC LTE 4G Band 5

Test Band: 5 _ 1.4MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		ERP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	23.38	23.53	24.04	-2.5	-0.35	20.88	21.03	21.54	38.45	PASS
		2	23.4	23.61	24.03	-2.5	-0.35	20.9	21.11	21.53	38.45	PASS
		5	23.3	23.57	23.93	-2.5	-0.35	20.8	21.07	21.43	38.45	PASS
	3	0	23.5	23.61	23.95	-2.5	-0.35	21	21.11	21.45	38.45	PASS
		2	23.51	23.68	24.02	-2.5	-0.35	21.01	21.18	21.52	38.45	PASS
		3	23.43	23.68	23.92	-2.5	-0.35	20.93	21.18	21.42	38.45	PASS
	6	0	22.37	22.56	23.04	-2.5	-0.35	19.87	20.06	20.54	38.45	PASS
	22.54		22.63	23.25	-2.5	-0.35	20.04	20.13	20.75	38.45	PASS	
	16QAM	1	2	22.56	22.74	23.31	-2.5	-0.35	20.06	20.24	20.81	38.45
5			22.44	22.71	23.21	-2.5	-0.35	19.94	20.21	20.71	38.45	PASS
3			0	22.75	22.71	23.07	-2.5	-0.35	20.25	20.21	20.57	38.45
3		2	22.8	22.82	23.12	-2.5	-0.35	20.3	20.32	20.62	38.45	PASS
		3	22.77	22.78	23.08	-2.5	-0.35	20.27	20.28	20.58	38.45	PASS
6		0	21.55	21.63	22.16	-2.5	-0.35	19.05	19.13	19.66	38.45	PASS
Note:												
1) dBd = dBi - 2.15												
2) EIRP = Conducted output power + Antenna gain (dBi)												
3) ERP = Conducted output power + Antenna gain (dBd)												



Test Band: 5 _ 3MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		ERP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	23.56	23.62	24.43	-2.5	-0.35	21.06	21.12	21.93	38.45	PASS
		7	23.51	23.77	24.37	-2.5	-0.35	21.01	21.27	21.87	38.45	PASS
		14	23.33	23.78	24.16	-2.5	-0.35	20.83	21.28	21.66	38.45	PASS
	8	0	22.47	22.61	23.32	-2.5	-0.35	19.97	20.11	20.82	38.45	PASS
		4	22.44	22.72	23.29	-2.5	-0.35	19.94	20.22	20.79	38.45	PASS
		7	22.36	22.7	23.2	-2.5	-0.35	19.86	20.2	20.7	38.45	PASS
	15	0	22.46	22.69	23.3	-2.5	-0.35	19.96	20.19	20.8	38.45	PASS
	23.24		22.68	23.46	-2.5	-0.35	20.74	20.18	20.96	38.45	PASS	
	16QAM	1	7	23.17	22.84	23.46	-2.5	-0.35	20.67	20.34	20.96	38.45
14			23	22.83	23.28	-2.5	-0.35	20.5	20.33	20.78	38.45	PASS
0			21.77	21.78	22.3	-2.5	-0.35	19.27	19.28	19.8	38.45	PASS
8		4	21.73	21.87	22.28	-2.5	-0.35	19.23	19.37	19.78	38.45	PASS
		7	21.65	21.88	22.2	-2.5	-0.35	19.15	19.38	19.7	38.45	PASS
		15	0	21.68	21.82	22.25	-2.5	-0.35	19.18	19.32	19.75	38.45

Note:
1) dBd = dBi - 2.15
2) EIRP = Conducted output power + Antenna gain (dBi)
3) ERP = Conducted output power + Antenna gain (dBd)



Test Band: 5 _ 5MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		ERP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	23.56	23.54	24.41	-2.5	-0.35	21.06	21.04	21.91	38.45	PASS
		13	23.43	23.73	24.42	-2.5	-0.35	20.93	21.23	21.92	38.45	PASS
		24	23.25	23.85	24.19	-2.5	-0.35	20.75	21.35	21.69	38.45	PASS
	12	0	22.53	22.62	23.39	-2.5	-0.35	20.03	20.12	20.89	38.45	PASS
		6	22.47	22.71	23.37	-2.5	-0.35	19.97	20.21	20.87	38.45	PASS
		13	22.34	22.79	23.26	-2.5	-0.35	19.84	20.29	20.76	38.45	PASS
	25	0	22.47	22.71	23.32	-2.5	-0.35	19.97	20.21	20.82	38.45	PASS
	22.52		22.72	23.6	-2.5	-0.35	20.02	20.22	21.1	38.45	PASS	
	16QAM	1	13	22.43	22.92	23.6	-2.5	-0.35	19.93	20.42	21.1	38.45
24			22.27	23.02	23.37	-2.5	-0.35	19.77	20.52	20.87	38.45	PASS
0			21.67	21.7	22.44	-2.5	-0.35	19.17	19.2	19.94	38.45	PASS
12		6	21.57	21.81	22.42	-2.5	-0.35	19.07	19.31	19.92	38.45	PASS
		13	21.44	21.88	22.32	-2.5	-0.35	18.94	19.38	19.82	38.45	PASS
		25	0	21.61	21.83	22.33	-2.5	-0.35	19.11	19.33	19.83	38.45

Note:

1) dBd = dBi - 2.15

2) EIRP = Conducted output power + Antenna gain (dBi)

3) ERP = Conducted output power + Antenna gain (dBd)



Test Band: 5 _ 10MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		ERP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	23.53	23.49	23.99	-2.5	-0.35	21.03	20.99	21.49	38.45	PASS
		25	23.25	23.7	24.35	-2.5	-0.35	20.75	21.2	21.85	38.45	PASS
		49	23.38	23.97	24.13	-2.5	-0.35	20.88	21.47	21.63	38.45	PASS
	25	0	22.46	22.57	23.19	-2.5	-0.35	19.96	20.07	20.69	38.45	PASS
		13	22.47	22.77	23.37	-2.5	-0.35	19.97	20.27	20.87	38.45	PASS
		25	22.46	22.85	23.35	-2.5	-0.35	19.96	20.35	20.85	38.45	PASS
	50	0	22.54	22.76	23.19	-2.5	-0.35	20.04	20.26	20.69	38.45	PASS
	23.23		22.58	23.25	-2.5	-0.35	20.73	20.08	20.75	38.45	PASS	
	16QAM	1	25	22.92	22.79	23.53	-2.5	-0.35	20.42	20.29	21.03	38.45
49			22.97	23.1	23.29	-2.5	-0.35	20.47	20.6	20.79	38.45	PASS
25			0	21.65	21.74	22.27	-2.5	-0.35	19.15	19.24	19.77	38.45
25		13	21.63	21.93	22.42	-2.5	-0.35	19.13	19.43	19.92	38.45	PASS
		25	21.58	22.06	22.33	-2.5	-0.35	19.08	19.56	19.83	38.45	PASS
		50	0	21.6	21.81	22.26	-2.5	-0.35	19.1	19.31	19.76	38.45
Note:												
1) dBd = dBi - 2.15												
2) EIRP = Conducted output power + Antenna gain (dBi)												
3) ERP = Conducted output power + Antenna gain (dBd)												



LTE_4G_Band_7

Test Band: 7 _ 5MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	21.86	22.73	22.25	/	0.41	22.27	23.14	22.66	33.01	PASS
		13	22.13	22.95	22.46	/	0.41	22.54	23.36	22.87	33.01	PASS
		24	22.23	22.97	22.43	/	0.41	22.64	23.38	22.84	33.01	PASS
	12	0	20.91	21.76	21.29	/	0.41	21.32	22.17	21.7	33.01	PASS
		6	21.02	21.84	21.35	/	0.41	21.43	22.25	21.76	33.01	PASS
		13	21.13	21.88	21.39	/	0.41	21.54	22.29	21.8	33.01	PASS
	25	0	21.02	21.78	21.36	/	0.41	21.43	22.19	21.77	33.01	PASS
	20.95		21.87	21.17	/	0.41	21.36	22.28	21.58	33.01	PASS	
	16QAM	1	13	21.27	22.1	21.33	/	0.41	21.68	22.51	21.74	33.01
24			21.41	22.12	21.32	/	0.41	21.82	22.53	21.73	33.01	PASS
0			19.87	20.75	20.31	/	0.41	20.28	21.16	20.72	33.01	PASS
12		6	20.04	20.85	20.36	/	0.41	20.45	21.26	20.77	33.01	PASS
		13	20.1	20.87	20.38	/	0.41	20.51	21.28	20.78	33.01	PASS
		25	0	20.02	20.74	20.35	/	0.41	20.43	21.15	20.76	33.01

Note:
1) dBd = dBi - 2.15
2) EIRP = Conducted output power + Antenna gain (dBi)



Test Band: 7 _ 10MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	21.85	22.44	21.83	/	0.41	22.26	22.85	22.24	33.01	PASS
		25	22.22	22.8	22.21	/	0.41	22.63	23.21	22.62	33.01	PASS
		49	22.14	22.85	22.44	/	0.41	22.55	23.26	22.85	33.01	PASS
	25	0	20.97	21.62	21.03	/	0.41	21.38	22.03	21.44	33.01	PASS
		13	21.07	21.79	21.24	/	0.41	21.48	22.2	21.65	33.01	PASS
		25	21.18	21.9	21.32	/	0.41	21.59	22.31	21.73	33.01	PASS
	50	0	20.98	21.7	21.22	/	0.41	21.39	22.11	21.63	33.01	PASS
	20.86		21.54	21.39	/	0.41	21.27	21.95	21.8	33.01	PASS	
	16QAM	1	25	21.23	21.91	21.69	/	0.41	21.64	22.32	22.1	33.01
49			21.21	21.98	21.83	/	0.41	21.62	22.39	22.24	33.01	PASS
0			20.03	20.57	20.1	/	0.41	20.44	20.98	20.51	33.01	PASS
25		13	20.16	20.78	20.29	/	0.41	20.57	21.19	20.7	33.01	PASS
		25	20.26	20.83	20.35	/	0.41	20.67	21.24	20.76	33.01	PASS
		50	0	19.99	20.7	20.15	/	0.41	20.4	21.11	20.56	33.01

Note:
1) dBd = dBi - 2.15
2) EIRP = Conducted output power + Antenna gain (dBi)



Test Band: 7 _ 15MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	21.9	22.3	21.38	/	0.41	22.31	22.71	21.79	33.01	PASS
		38	22.1	22.77	22.08	/	0.41	22.51	23.18	22.49	33.01	PASS
		74	21.93	22.72	22.52	/	0.41	22.34	23.13	22.93	33.01	PASS
	36	0	20.96	21.58	20.93	/	0.41	21.37	21.99	21.34	33.01	PASS
		18	21.12	21.83	21.09	/	0.41	21.53	22.24	21.5	33.01	PASS
		39	21.07	21.9	21.39	/	0.41	21.48	22.31	21.8	33.01	PASS
	75	0	21.02	21.68	21.2	/	0.41	21.43	22.09	21.61	33.01	PASS
	21.19		21.4	21.23	/	0.41	21.6	21.81	21.64	33.01	PASS	
	16QAM	1	38	21.57	21.87	21.59	/	0.41	21.98	22.28	22	33.01
74			21.38	21.93	21.88	/	0.41	21.79	22.34	22.29	33.01	PASS
36			0	20.06	20.61	19.94	/	0.41	20.47	21.02	20.35	33.01
36		18	20.21	20.87	20.15	/	0.41	20.62	21.28	20.56	33.01	PASS
		39	20.15	20.95	20.34	/	0.41	20.56	21.36	20.75	33.01	PASS
75		0	20.07	20.71	20.22	/	0.41	20.48	21.12	20.63	33.01	PASS
Note:												
1) dBd = dBi - 2.15												
2) EIRP = Conducted output power + Antenna gain (dBi)												



Test Band: 7 _ 20MHz Bandwidth													
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict	
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH			
QPSK	1	0	21.84	22.04	21.44	/	0.41	22.25	22.45	21.85	33.01	PASS	
		50	22.05	22.82	21.85	/	0.41	22.46	23.23	22.26	33.01	PASS	
		99	21.63	22.44	22.49	/	0.41	22.04	22.85	22.9	33.01	PASS	
	50	0	21.07	21.35	20.86	/	0.41	21.48	21.76	21.27	33.01	PASS	
		25	21.12	21.7	21.12	/	0.41	21.53	22.11	21.53	33.01	PASS	
		50	20.82	21.8	21.25	/	0.41	21.23	22.21	21.66	33.01	PASS	
	100	0	20.97	21.58	21.16	/	0.41	21.38	21.99	21.57	33.01	PASS	
			21.34	21.15	21.04	/	0.41	21.75	21.56	21.45	33.01	PASS	
		1	50	21.68	21.9	21.19	/	0.41	22.09	22.31	21.6	33.01	PASS
16QAM	1	99	21.17	21.69	21.72	/	0.41	21.58	22.1	22.13	33.01	PASS	
		50	0	20.07	20.35	19.94	/	0.41	20.48	20.76	20.35	33.01	PASS
			25	20.14	20.69	20.15	/	0.41	20.55	21.1	20.56	33.01	PASS
	50		50	19.82	20.8	20.29	/	0.41	20.23	21.21	20.7	33.01	PASS
	100	0	20.02	20.51	20.2	/	0.41	20.43	20.92	20.61	33.01	PASS	
	Note:												
1) dBd = dBi - 2.15													
2) EIRP = Conducted output power + Antenna gain (dBi)													



LTE_4G_Band_12

Test Band: 12 _ 1.4MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		ERP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	20.93	20.2	20.78	-2.52	-0.37	18.41	17.68	18.26	34.77	PASS
		2	20.97	20.23	20.86	-2.52	-0.37	18.45	17.71	18.34	34.77	PASS
		5	20.8	20.16	20.86	-2.52	-0.37	18.28	17.64	18.34	34.77	PASS
	3	0	21.04	20.18	20.88	-2.52	-0.37	18.52	17.66	18.36	34.77	PASS
		2	21.03	20.22	20.98	-2.52	-0.37	18.51	17.7	18.46	34.77	PASS
		3	20.95	20.16	20.93	-2.52	-0.37	18.43	17.64	18.41	34.77	PASS
	6	0	19.9	19.25	19.86	-2.52	-0.37	17.38	16.73	17.34	34.77	PASS
	20.08		19.23	19.99	-2.52	-0.37	17.56	16.71	17.47	34.77	PASS	
	16QAM	1	2	20.12	19.3	20.1	-2.52	-0.37	17.6	16.78	17.58	34.77
5			19.99	19.21	20.13	-2.52	-0.37	17.47	16.69	17.61	34.77	PASS
3			0	20.28	19.24	19.89	-2.52	-0.37	17.76	16.72	17.37	34.77
3		2	20.34	19.29	20.06	-2.52	-0.37	17.82	16.77	17.54	34.77	PASS
		3	20.25	19.2	19.98	-2.52	-0.37	17.73	16.68	17.46	34.77	PASS
6		0	19.05	18.2	18.97	-2.52	-0.37	16.53	15.68	16.45	34.77	PASS

Note:

1) dBd = dBi - 2.15

2) EIRP = Conducted output power + Antenna gain (dBi)

3) ERP = Conducted output power + Antenna gain (dBd)



Test Band: 12 _ 3MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		ERP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	21.1	20.34	20.54	-2.52	-0.37	18.58	17.82	18.02	34.77	PASS
		7	20.99	20.34	20.9	-2.52	-0.37	18.47	17.82	18.38	34.77	PASS
		14	20.76	20.19	20.94	-2.52	-0.37	18.24	17.67	18.42	34.77	PASS
	8	0	19.97	19.28	19.66	-2.52	-0.37	17.45	16.76	17.14	34.77	PASS
		4	19.91	19.31	19.86	-2.52	-0.37	17.39	16.79	17.34	34.77	PASS
		7	19.81	19.24	19.88	-2.52	-0.37	17.29	16.72	17.36	34.77	PASS
	15	0	19.91	19.27	19.74	-2.52	-0.37	17.39	16.75	17.22	34.77	PASS
	20.25		19.48	20.15	-2.52	-0.37	17.73	16.96	17.63	34.77	PASS	
	16QAM	1	7	20.1	19.5	20.48	-2.52	-0.37	17.58	16.98	17.96	34.77
14			19.87	19.35	20.55	-2.52	-0.37	17.35	16.83	18.03	34.77	PASS
8			0	19.14	18.28	18.87	-2.52	-0.37	16.62	15.76	16.35	34.77
8		4	19.1	18.31	19.13	-2.52	-0.37	16.58	15.79	16.61	34.77	PASS
		7	18.98	18.24	19.12	-2.52	-0.37	16.46	15.72	16.6	34.77	PASS
		15	0	19.08	18.27	18.89	-2.52	-0.37	16.56	15.75	16.37	34.77

Note:

1) dBd = dBi - 2.15

2) EIRP = Conducted output power + Antenna gain (dBi)

3) ERP = Conducted output power + Antenna gain (dBd)



Test Band: 12 _ 5MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		ERP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	21.11	20.44	20.36	-2.52	-0.37	18.59	17.92	17.84	34.77	PASS
		13	20.84	20.32	20.66	-2.52	-0.37	18.32	17.8	18.14	34.77	PASS
		24	20.58	20.2	20.9	-2.52	-0.37	18.06	17.68	18.38	34.77	PASS
	12	0	19.99	19.34	19.5	-2.52	-0.37	17.47	16.82	16.98	34.77	PASS
		6	19.82	19.29	19.63	-2.52	-0.37	17.3	16.77	17.11	34.77	PASS
		13	19.74	19.24	19.76	-2.52	-0.37	17.22	16.72	17.24	34.77	PASS
	25	0	19.9	19.28	19.65	-2.52	-0.37	17.38	16.76	17.13	34.77	PASS
	20.28		19.7	19.34	-2.52	-0.37	17.76	17.18	16.82	34.77	PASS	
	16QAM	1	13	20.03	19.57	19.65	-2.52	-0.37	17.51	17.05	17.13	34.77
24			19.78	19.46	19.9	-2.52	-0.37	17.26	16.94	17.38	34.77	PASS
0			19.07	18.44	18.62	-2.52	-0.37	16.55	15.92	16.1	34.77	PASS
12		6	18.92	18.35	18.74	-2.52	-0.37	16.4	15.83	16.22	34.77	PASS
		13	18.83	18.29	18.82	-2.52	-0.37	16.31	15.77	16.3	34.77	PASS
		25	0	19.01	18.33	18.76	-2.52	-0.37	16.49	15.81	16.24	34.77

Note:

1) dBd = dBi - 2.15

2) EIRP = Conducted output power + Antenna gain (dBi)

3) ERP = Conducted output power + Antenna gain (dBd)



Test Band: 12 _ 10MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		ERP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	21.06	20.57	20.35	-2.52	-0.37	18.54	18.05	17.83	34.77	PASS
		25	20.58	20.2	20.31	-2.52	-0.37	18.06	17.68	17.79	34.77	PASS
		49	20.19	20.34	20.85	-2.52	-0.37	17.67	17.82	18.33	34.77	PASS
	25	0	19.89	19.5	19.27	-2.52	-0.37	17.37	16.98	16.75	34.77	PASS
		13	19.59	19.3	19.33	-2.52	-0.37	17.07	16.78	16.81	34.77	PASS
		25	19.37	19.29	19.59	-2.52	-0.37	16.85	16.77	17.07	34.77	PASS
	50	0	19.59	19.34	19.38	-2.52	-0.37	17.07	16.82	16.86	34.77	PASS
	20.16		19.83	19.84	-2.52	-0.37	17.64	17.31	17.32	34.77	PASS	
	16QAM	1	25	19.58	19.43	19.97	-2.52	-0.37	17.06	16.91	17.45	34.77
49			19.25	19.63	20.47	-2.52	-0.37	16.73	17.11	17.95	34.77	PASS
0			19.06	18.5	18.35	-2.52	-0.37	16.54	15.98	15.83	34.77	PASS
25		13	18.75	18.37	18.49	-2.52	-0.37	16.23	15.85	15.97	34.77	PASS
		25	18.47	18.31	18.72	-2.52	-0.37	15.95	15.79	16.2	34.77	PASS
		50	0	18.71	18.44	18.49	-2.52	-0.37	16.19	15.92	15.97	34.77

Note:
1) dBd = dBi - 2.15
2) EIRP = Conducted output power + Antenna gain (dBi)
3) ERP = Conducted output power + Antenna gain (dBd)



FCC LTE 4G Band 13

Test Band: 13 _ 5MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		ERP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	21.37	21.69	21.8	-2.52	-0.37	18.85	19.17	19.28	34.77	PASS
		13	21.69	21.84	21.75	-2.52	-0.37	19.17	19.32	19.23	34.77	PASS
		24	21.86	21.73	21.58	-2.52	-0.37	19.34	19.21	19.06	34.77	PASS
	12	0	20.51	20.8	20.76	-2.52	-0.37	17.99	18.28	18.24	34.77	PASS
		6	20.65	20.84	20.76	-2.52	-0.37	18.13	18.32	18.24	34.77	PASS
		13	20.76	20.76	20.61	-2.52	-0.37	18.24	18.24	18.09	34.77	PASS
	25	0	20.61	20.79	20.66	-2.52	-0.37	18.09	18.27	18.14	34.77	PASS
	20.49		20.9	20.77	-2.52	-0.37	17.97	18.38	18.25	34.77	PASS	
	16QAM	1	13	20.86	21.21	20.67	-2.52	-0.37	18.34	18.69	18.15	34.77
24			20.97	21.05	20.37	-2.52	-0.37	18.45	18.53	17.85	34.77	PASS
0			19.54	19.87	19.84	-2.52	-0.37	17.02	17.35	17.32	34.77	PASS
12		6	19.66	19.93	19.79	-2.52	-0.37	17.14	17.41	17.27	34.77	PASS
		13	19.83	19.86	19.59	-2.52	-0.37	17.31	17.34	17.07	34.77	PASS
		25	0	19.64	19.83	19.73	-2.52	-0.37	17.12	17.31	17.21	34.77

Note:
1) dBd = dBi - 2.15
2) EIRP = Conducted output power + Antenna gain (dBi)
3) ERP = Conducted output power + Antenna gain (dBd)



Test Band: 13 _ 10MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		ERP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	/	21.4	/	-2.52	-0.37	/	18.88	/	34.77	PASS
		25	/	21.84	/	-2.52	-0.37	/	19.32	/	34.77	PASS
		49	/	21.63	/	-2.52	-0.37	/	19.11	/	34.77	PASS
	25	0	/	20.72	/	-2.52	-0.37	/	18.2	/	34.77	PASS
		13	/	20.83	/	-2.52	-0.37	/	18.31	/	34.77	PASS
		25	/	20.72	/	-2.52	-0.37	/	18.2	/	34.77	PASS
	50	0	/	20.72	/	-2.52	-0.37	/	18.2	/	34.77	PASS
	/		20.55	/	-2.52	-0.37	/	18.03	/	34.77	PASS	
	16QAM	1	25	/	20.87	/	-2.52	-0.37	/	18.35	/	34.77
49			/	20.58	/	-2.52	-0.37	/	18.06	/	34.77	PASS
0			/	19.84	/	-2.52	-0.37	/	17.32	/	34.77	PASS
25		13	/	19.95	/	-2.52	-0.37	/	17.43	/	34.77	PASS
		25	/	19.84	/	-2.52	-0.37	/	17.32	/	34.77	PASS
50		0	/	19.77	/	-2.52	-0.37	/	17.25	/	34.77	PASS
Note:												
1) dBd = dBi - 2.15												
2) EIRP = Conducted output power + Antenna gain (dBi)												
3) ERP = Conducted output power + Antenna gain (dBd)												



FCC LTE 4G Band 14

Test Band: 14 _ 5MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		ERP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	24.31	24.02	23.51	-2.52	-0.37	21.79	21.5	20.99	34.77	PASS
		13	24.01	23.55	23.24	-2.52	-0.37	21.49	21.03	20.72	34.77	PASS
		24	23.65	23.22	23.06	-2.52	-0.37	21.13	20.7	20.54	34.77	PASS
	12	0	23.12	22.81	22.42	-2.52	-0.37	20.6	20.29	19.9	34.77	PASS
		6	23.03	22.65	22.3	-2.52	-0.37	20.51	20.13	19.78	34.77	PASS
		13	22.83	22.41	22.16	-2.52	-0.37	20.31	19.89	19.64	34.77	PASS
	25	0	22.98	22.61	22.31	-2.52	-0.37	20.46	20.09	19.79	34.77	PASS
	23.3		23.14	22.42	-2.52	-0.37	20.78	20.62	19.9	34.77	PASS	
	16QAM	1	13	23.08	22.91	22.2	-2.52	-0.37	20.56	20.39	19.68	34.77
24			22.71	22.56	21.96	-2.52	-0.37	20.19	20.04	19.44	34.77	PASS
0			22.11	21.89	21.54	-2.52	-0.37	19.59	19.37	19.02	34.77	PASS
12		6	22.02	21.74	21.4	-2.52	-0.37	19.5	19.22	18.88	34.77	PASS
		13	21.86	21.54	21.26	-2.52	-0.37	19.34	19.02	18.74	34.77	PASS
		25	0	22.04	21.71	21.42	-2.52	-0.37	19.52	19.19	18.9	34.77

Note:
1) dBd = dBi - 2.15
2) EIRP = Conducted output power + Antenna gain (dBi)
3) ERP = Conducted output power + Antenna gain (dBd)



Test Band: 14 _ 10MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		ERP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	/	24.3	/	-2.52	-0.37	/	21.78	/	34.77	PASS
		25	/	23.58	/	-2.52	-0.37	/	21.06	/	34.77	PASS
		49	/	23.08	/	-2.52	-0.37	/	20.56	/	34.77	PASS
	25	0	/	23.06	/	-2.52	-0.37	/	20.54	/	34.77	PASS
		13	/	22.71	/	-2.52	-0.37	/	20.19	/	34.77	PASS
		25	/	22.38	/	-2.52	-0.37	/	19.86	/	34.77	PASS
	50	0	/	22.77	/	-2.52	-0.37	/	20.25	/	34.77	PASS
	/		23.37	/	-2.52	-0.37	/	20.85	/	34.77	PASS	
	16QAM	1	25	/	22.85	/	-2.52	-0.37	/	20.33	/	34.77
49			/	22.32	/	-2.52	-0.37	/	19.8	/	34.77	PASS
0			/	22.07	/	-2.52	-0.37	/	19.55	/	34.77	PASS
25		13	/	21.75	/	-2.52	-0.37	/	19.23	/	34.77	PASS
		25	/	21.48	/	-2.52	-0.37	/	18.96	/	34.77	PASS
		50	0	/	21.82	/	-2.52	-0.37	/	19.3	/	34.77

Note:
1) dBd = dBi - 2.15
2) EIRP = Conducted output power + Antenna gain (dBi)
3) ERP = Conducted output power + Antenna gain (dBd)



FCC LTE 4G Band 17

Test Band: 17 _ 5MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		ERP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	23.45	23.33	23.28	-2.52	-0.37	20.93	20.81	20.76	34.77	PASS
		13	23.45	23.34	23.73	-2.52	-0.37	20.93	20.82	21.21	34.77	PASS
		24	23.27	23.45	23.88	-2.52	-0.37	20.75	20.93	21.36	34.77	PASS
	12	0	22.34	22.22	22.4	-2.52	-0.37	19.82	19.7	19.88	34.77	PASS
		6	22.37	22.25	22.63	-2.52	-0.37	19.85	19.73	20.11	34.77	PASS
		13	22.24	22.29	22.73	-2.52	-0.37	19.72	19.77	20.21	34.77	PASS
	25	0	22.3	22.23	22.53	-2.52	-0.37	19.78	19.71	20.01	34.77	PASS
	22.5		22.4	22.13	-2.52	-0.37	19.98	19.88	19.61	34.77	PASS	
	16QAM	1	13	22.42	22.47	22.59	-2.52	-0.37	19.9	19.95	20.07	34.77
24			22.26	22.7	22.69	-2.52	-0.37	19.74	20.18	20.17	34.77	PASS
0			21.31	21.21	21.41	-2.52	-0.37	18.79	18.69	18.89	34.77	PASS
12		6	21.33	21.27	21.65	-2.52	-0.37	18.81	18.75	19.13	34.77	PASS
		13	21.19	21.32	21.76	-2.52	-0.37	18.67	18.8	19.24	34.77	PASS
		25	0	21.29	21.21	21.56	-2.52	-0.37	18.77	18.69	19.04	34.77

Note:
1) dBd = dBi - 2.15
2) EIRP = Conducted output power + Antenna gain (dBi)
3) ERP = Conducted output power + Antenna gain (dBd)



Test Band: 17 _ 10MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		ERP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	23.45	23.34	23.43	-2.52	-0.37	20.93	20.82	20.91	34.77	PASS
		25	23.21	23.19	23.25	-2.52	-0.37	20.69	20.67	20.73	34.77	PASS
		49	23.53	23.62	23.81	-2.52	-0.37	21.01	21.1	21.29	34.77	PASS
	25	0	22.3	22.27	22.26	-2.52	-0.37	19.78	19.75	19.74	34.77	PASS
		13	22.26	22.28	22.35	-2.52	-0.37	19.74	19.76	19.83	34.77	PASS
		25	22.26	22.36	22.5	-2.52	-0.37	19.74	19.84	19.98	34.77	PASS
	50	0	22.28	22.28	22.36	-2.52	-0.37	19.76	19.76	19.84	34.77	PASS
	22.42		22.4	22.71	-2.52	-0.37	19.9	19.88	20.19	34.77	PASS	
	16QAM	1	25	22.19	22.31	22.72	-2.52	-0.37	19.67	19.79	20.2	34.77
49			22.58	22.86	23.3	-2.52	-0.37	20.06	20.34	20.78	34.77	PASS
0			21.37	21.24	21.23	-2.52	-0.37	18.85	18.72	18.71	34.77	PASS
25		13	21.29	21.26	21.35	-2.52	-0.37	18.77	18.74	18.83	34.77	PASS
		25	21.4	21.41	21.53	-2.52	-0.37	18.88	18.89	19.01	34.77	PASS
		50	0	21.31	21.31	21.35	-2.52	-0.37	18.79	18.79	18.83	34.77
Note:												
1) dBd = dBi - 2.15												
2) EIRP = Conducted output power + Antenna gain (dBi)												
3) ERP = Conducted output power + Antenna gain (dBd)												



FCC_LTE_4G_Band_25

Test Band: 25 _ 1.4MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	21.19	19.95	20.79	/	0.38	21.57	20.33	21.17	33.01	PASS
		2	21.22	19.93	20.83	/	0.38	21.6	20.31	21.21	33.01	PASS
		5	21.15	19.73	20.8	/	0.38	21.53	20.11	21.18	33.01	PASS
	3	0	21.21	19.84	20.71	/	0.38	21.59	20.22	21.09	33.01	PASS
		2	21.27	19.79	20.78	/	0.38	21.65	20.17	21.16	33.01	PASS
		3	21.18	19.73	20.7	/	0.38	21.56	20.11	21.08	33.01	PASS
	6	0	20.21	18.83	19.91	/	0.38	20.59	19.21	20.29	33.01	PASS
	20.4		19	20.05	/	0.38	20.78	19.38	20.43	33.01	PASS	
	16QAM	1	2	20.45	18.98	20.11	/	0.38	20.83	19.36	20.49	33.01
5			20.39	18.81	20.01	/	0.38	20.77	19.19	20.39	33.01	PASS
3			0	20.57	19	19.78	/	0.38	20.95	19.38	20.16	33.01
		2	20.66	18.98	19.77	/	0.38	21.04	19.36	20.15	33.01	PASS
		3	20.58	18.85	19.7	/	0.38	20.96	19.23	20.08	33.01	PASS
6		0	19.44	17.81	19.03	/	0.38	19.82	18.19	19.41	33.01	PASS
Note:												
1) dBd = dBi - 2.15												
2) EIRP = Conducted output power + Antenna gain (dBi)												



Test Band: 25 _ 3MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	21.33	20.25	20.92	/	0.38	21.71	20.63	21.3	33.01	PASS
		7	21.38	20.07	21	/	0.38	21.76	20.45	21.38	33.01	PASS
		14	21.23	19.66	20.89	/	0.38	21.61	20.04	21.27	33.01	PASS
	8	0	20.3	19.14	19.9	/	0.38	20.68	19.52	20.28	33.01	PASS
		4	20.31	18.95	19.93	/	0.38	20.69	19.33	20.31	33.01	PASS
		7	20.22	18.83	19.9	/	0.38	20.6	19.21	20.28	33.01	PASS
	15	0	20.24	18.98	19.9	/	0.38	20.62	19.36	20.28	33.01	PASS
	20.45		19.49	20.34	/	0.38	20.83	19.87	20.72	33.01	PASS	
	16QAM	1	7	20.42	19.25	20.39	/	0.38	20.8	19.63	20.77	33.01
14			20.26	18.87	20.31	/	0.38	20.64	19.25	20.69	33.01	PASS
8			0	19.43	18.19	19.03	/	0.38	19.81	18.57	19.41	33.01
8		4	19.37	18.03	19.08	/	0.38	19.75	18.41	19.46	33.01	PASS
		7	19.33	17.86	19.04	/	0.38	19.71	18.24	19.42	33.01	PASS
		15	0	19.35	18.02	18.98	/	0.38	19.73	18.4	19.36	33.01

Note:

1) dBd = dBi - 2.15

2) EIRP = Conducted output power + Antenna gain (dBi)



Test Band: 25 _ 5MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	21.39	20.54	20.94	/	0.38	21.77	20.92	21.32	33.01	PASS
		13	21.32	20.01	20.94	/	0.38	21.7	20.39	21.32	33.01	PASS
		24	21.13	19.56	20.89	/	0.38	21.51	19.94	21.27	33.01	PASS
	12	0	20.32	19.3	19.89	/	0.38	20.7	19.68	20.27	33.01	PASS
		6	20.25	18.99	19.94	/	0.38	20.63	19.37	20.32	33.01	PASS
		13	20.14	18.71	19.92	/	0.38	20.52	19.09	20.3	33.01	PASS
	25	0	20.23	19.01	19.87	/	0.38	20.61	19.39	20.25	33.01	PASS
	20.53		19.85	19.78	/	0.38	20.91	20.23	20.16	33.01	PASS	
	16QAM	1	13	20.4	19.3	19.81	/	0.38	20.78	19.68	20.19	33.01
24			20.27	18.86	19.8	/	0.38	20.65	19.24	20.18	33.01	PASS
0			19.37	18.4	18.93	/	0.38	19.75	18.78	19.31	33.01	PASS
12		6	19.3	18.12	18.9	/	0.38	19.68	18.5	19.28	33.01	PASS
		13	19.18	17.81	18.89	/	0.38	19.56	18.19	19.27	33.01	PASS
		25	0	19.31	18.03	18.95	/	0.38	19.69	18.41	19.33	33.01

Note:
1) dBd = dBi - 2.15
2) EIRP = Conducted output power + Antenna gain (dBi)



Test Band: 25 _ 10MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	21.62	21.26	20.96	/	0.38	22	21.64	21.34	33.01	PASS
		25	21.12	19.91	20.85	/	0.38	21.5	20.29	21.23	33.01	PASS
		49	21.2	19.4	20.89	/	0.38	21.58	19.78	21.27	33.01	PASS
	25	0	20.22	19.54	20	/	0.38	20.6	19.92	20.38	33.01	PASS
		13	20.1	19.01	19.92	/	0.38	20.48	19.39	20.3	33.01	PASS
		25	20.01	18.57	19.91	/	0.38	20.39	18.95	20.29	33.01	PASS
	50	0	20.1	19.09	19.95	/	0.38	20.48	19.47	20.33	33.01	PASS
	20.7		20.46	20.5	/	0.38	21.08	20.84	20.88	33.01	PASS	
	16QAM	1	25	20.17	19.16	20.35	/	0.38	20.55	19.54	20.73	33.01
49			20.2	18.56	20.31	/	0.38	20.58	18.94	20.69	33.01	PASS
0			19.36	18.63	19.08	/	0.38	19.74	19.01	19.46	33.01	PASS
25		13	19.26	18.07	18.95	/	0.38	19.64	18.45	19.33	33.01	PASS
		25	19.14	17.63	18.96	/	0.38	19.52	18.01	19.34	33.01	PASS
		50	0	19.21	18.15	19.01	/	0.38	19.59	18.53	19.39	33.01

Note:
1) dBd = dBi - 2.15
2) EIRP = Conducted output power + Antenna gain (dBi)



Test Band: 25 _ 15MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	21.55	21.51	20.69	/	0.38	21.93	21.89	21.07	33.01	PASS
		38	21.15	19.94	20.87	/	0.38	21.53	20.32	21.25	33.01	PASS
		74	21.34	19.09	20.97	/	0.38	21.72	19.47	21.35	33.01	PASS
	36	0	20.32	19.86	19.88	/	0.38	20.7	20.24	20.26	33.01	PASS
		18	20.18	19.14	19.97	/	0.38	20.56	19.52	20.35	33.01	PASS
		39	20.19	18.4	19.94	/	0.38	20.57	18.78	20.32	33.01	PASS
	75	0	20.24	19.13	19.98	/	0.38	20.62	19.51	20.36	33.01	PASS
	20.97		20.68	20.19	/	0.38	21.35	21.06	20.57	33.01	PASS	
	16QAM	1	38	20.52	19.15	20.43	/	0.38	20.9	19.53	20.81	33.01
74			20.63	18.32	20.4	/	0.38	21.01	18.7	20.78	33.01	PASS
36			0	19.39	18.96	18.99	/	0.38	19.77	19.34	19.37	33.01
36		18	19.26	18.26	19.11	/	0.38	19.64	18.64	19.49	33.01	PASS
		39	19.25	17.51	19.04	/	0.38	19.63	17.89	19.42	33.01	PASS
		75	0	19.3	18.23	19.09	/	0.38	19.68	18.61	19.47	33.01

Note:
1) dBd = dBi - 2.15
2) EIRP = Conducted output power + Antenna gain (dBi)



Test Band: 25 _ 20MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	21.67	21.87	19.9	/	0.38	22.05	22.25	20.28	33.01	PASS
		50	21.12	19.95	20.88	/	0.38	21.5	20.33	21.26	33.01	PASS
		99	21.68	19.37	20.95	/	0.38	22.06	19.75	21.33	33.01	PASS
	50	0	20.26	20.04	19.54	/	0.38	20.64	20.42	19.92	33.01	PASS
		25	20.24	19.09	19.89	/	0.38	20.62	19.47	20.27	33.01	PASS
		50	20.24	18.36	20.02	/	0.38	20.62	18.74	20.4	33.01	PASS
	100	0	20.22	19.23	19.78	/	0.38	20.6	19.61	20.16	33.01	PASS
	21.33		21.08	19.17	/	0.38	21.71	21.46	19.55	33.01	PASS	
	16QAM	1	50	20.65	19.19	20.14	/	0.38	21.03	19.57	20.52	33.01
99			21.24	18.52	20.16	/	0.38	21.62	18.9	20.54	33.01	PASS
50			0	19.32	19.14	18.57	/	0.38	19.7	19.52	18.95	33.01
50		25	19.29	18.14	18.97	/	0.38	19.67	18.52	19.35	33.01	PASS
		50	19.33	17.44	19.01	/	0.38	19.71	17.82	19.39	33.01	PASS
		100	0	19.3	18.27	18.8	/	0.38	19.68	18.65	19.18	33.01
Note:												
1) dBd = dBi - 2.15												
2) EIRP = Conducted output power + Antenna gain (dBi)												



FCC LTE 4G Band 26a

CC EIRP TO Band 26a

Test Band: 26a _ 1.4MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		ERP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	24.07	23.92	23.55	-2.5	-0.35	21.57	21.42	21.05	50	PASS
		2	24.11	23.97	23.55	-2.5	-0.35	21.61	21.47	21.05	50	PASS
		5	24	23.86	23.45	-2.5	-0.35	21.5	21.36	20.95	50	PASS
	3	0	24.09	23.9	23.64	-2.5	-0.35	21.59	21.4	21.14	50	PASS
		2	24.11	23.96	23.65	-2.5	-0.35	21.61	21.46	21.15	50	PASS
		3	24.03	23.91	23.58	-2.5	-0.35	21.53	21.41	21.08	50	PASS
	6	0	23.06	22.85	22.55	-2.5	-0.35	20.56	20.35	20.05	50	PASS
	23.11		23.02	22.84	-2.5	-0.35	20.61	20.52	20.34	50	PASS	
	16QAM	1	2	23.12	23.07	22.88	-2.5	-0.35	20.62	20.57	20.38	50
5			23.11	22.97	22.71	-2.5	-0.35	20.61	20.47	20.21	50	PASS
0			23.31	23.07	22.74	-2.5	-0.35	20.81	20.57	20.24	50	PASS
3		2	23.36	23.12	22.78	-2.5	-0.35	20.86	20.62	20.28	50	PASS
		3	23.3	23.06	22.67	-2.5	-0.35	20.8	20.56	20.17	50	PASS
		6	0	22.16	21.92	21.66	-2.5	-0.35	19.66	19.42	19.16	50

Note:

1) dBd = dBi - 2.15

2) EIRP = Conducted output power + Antenna gain (dBi)

3) ERP = Conducted output power + Antenna gain (dBd)



Test Band: 26a _ 3MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		ERP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	24.24	24.03	23.82	-2.5	-0.35	21.74	21.53	21.32	50	PASS
		7	24.26	24.03	23.77	-2.5	-0.35	21.76	21.53	21.27	50	PASS
		14	24.1	23.95	23.51	-2.5	-0.35	21.6	21.45	21.01	50	PASS
	8	0	23.15	22.99	22.7	-2.5	-0.35	20.65	20.49	20.2	50	PASS
		4	23.2	23	22.72	-2.5	-0.35	20.7	20.5	20.22	50	PASS
		7	23.12	23.01	22.6	-2.5	-0.35	20.62	20.51	20.1	50	PASS
	15	0	23.15	23.08	22.75	-2.5	-0.35	20.65	20.58	20.25	50	PASS
	23.28		23.27	23.42	-2.5	-0.35	20.78	20.77	20.92	50	PASS	
	16QAM	1	7	23.3	23.28	23.43	-2.5	-0.35	20.8	20.78	20.93	50
14			23.17	23.19	23.23	-2.5	-0.35	20.67	20.69	20.73	50	PASS
8			0	22.27	22.05	22.04	-2.5	-0.35	19.77	19.55	19.54	50
8		4	22.31	22.08	21.97	-2.5	-0.35	19.81	19.58	19.47	50	PASS
		7	22.23	22.09	21.92	-2.5	-0.35	19.73	19.59	19.42	50	PASS
		15	0	22.24	22.16	21.89	-2.5	-0.35	19.74	19.66	19.39	50

Note:

1) dBd = dBi - 2.15

2) EIRP = Conducted output power + Antenna gain (dBi)

3) ERP = Conducted output power + Antenna gain (dBd)



Test Band: 26a _ 5MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		ERP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	24.22	24.08	23.8	-2.5	-0.35	21.72	21.58	21.3	50	PASS
		13	24.19	23.99	23.82	-2.5	-0.35	21.69	21.49	21.32	50	PASS
		24	23.99	23.83	23.53	-2.5	-0.35	21.49	21.33	21.03	50	PASS
	12	0	23.18	23.06	22.9	-2.5	-0.35	20.68	20.56	20.4	50	PASS
		6	23.18	23.13	22.85	-2.5	-0.35	20.68	20.63	20.35	50	PASS
		13	23.11	23.02	22.68	-2.5	-0.35	20.61	20.52	20.18	50	PASS
	25	0	23.15	23.1	22.83	-2.5	-0.35	20.65	20.6	20.33	50	PASS
	23.36		23.37	22.83	-2.5	-0.35	20.86	20.87	20.33	50	PASS	
	16QAM	1	13	23.32	23.34	22.8	-2.5	-0.35	20.82	20.84	20.3	50
24			23.14	23.21	22.57	-2.5	-0.35	20.64	20.71	20.07	50	PASS
0			22.24	22.21	22.05	-2.5	-0.35	19.74	19.71	19.55	50	PASS
12		6	22.22	22.25	21.96	-2.5	-0.35	19.72	19.75	19.46	50	PASS
		13	22.14	22.12	21.81	-2.5	-0.35	19.64	19.62	19.31	50	PASS
		25	0	22.23	22.19	21.96	-2.5	-0.35	19.73	19.69	19.46	50

Note:
1) dBd = dBi - 2.15
2) EIRP = Conducted output power + Antenna gain (dBi)
3) ERP = Conducted output power + Antenna gain (dBd)



Test Band: 26a _ 10MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		ERP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	/	24.06	/	-2.5	-0.35	/	21.56	/	50	PASS
		25	/	23.85	/	-2.5	-0.35	/	21.35	/	50	PASS
		49	/	23.55	/	-2.5	-0.35	/	21.05	/	50	PASS
	25	0	/	23.02	/	-2.5	-0.35	/	20.52	/	50	PASS
		13	/	23.06	/	-2.5	-0.35	/	20.56	/	50	PASS
		25	/	22.9	/	-2.5	-0.35	/	20.4	/	50	PASS
	50	0	/	23	/	-2.5	-0.35	/	20.5	/	50	PASS
	/		23.28	/	-2.5	-0.35	/	20.78	/	50	PASS	
	16QAM	1	25	/	23.08	/	-2.5	-0.35	/	20.58	/	50
49			/	22.87	/	-2.5	-0.35	/	20.37	/	50	PASS
0			/	22.1	/	-2.5	-0.35	/	19.6	/	50	PASS
25		13	/	22.14	/	-2.5	-0.35	/	19.64	/	50	PASS
		25	/	21.94	/	-2.5	-0.35	/	19.44	/	50	PASS
		0	/	22.12	/	-2.5	-0.35	/	19.62	/	50	PASS
50		0	/	22.12	/	-2.5	-0.35	/	19.62	/	50	PASS

Note:
1) dBd = dBi - 2.15
2) EIRP = Conducted output power + Antenna gain (dBi)
3) ERP = Conducted output power + Antenna gain (dBd)



FCC LTE 4G Band 26b

Test Band: 26b _ 1.4MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		ERP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	23.41	23.36	23.68	-1.74	0.41	21.67	21.62	21.94	38.45	PASS
		2	23.41	23.45	23.56	-1.74	0.41	21.67	21.71	21.82	38.45	PASS
		5	23.3	23.46	23.38	-1.74	0.41	21.56	21.72	21.64	38.45	PASS
	3	0	23.52	23.44	23.61	-1.74	0.41	21.78	21.7	21.87	38.45	PASS
		2	23.52	23.53	23.52	-1.74	0.41	21.78	21.79	21.78	38.45	PASS
		3	23.41	23.46	23.42	-1.74	0.41	21.67	21.72	21.68	38.45	PASS
	6	0	22.38	22.49	22.93	-1.74	0.41	20.64	20.75	21.19	38.45	PASS
	22.67		22.52	23.04	-1.74	0.41	20.93	20.78	21.3	38.45	PASS	
	16QAM	1	2	22.67	22.61	22.99	-1.74	0.41	20.93	20.87	21.25	38.45
5			22.58	22.58	22.76	-1.74	0.41	20.84	20.84	21.02	38.45	PASS
3			0	22.8	22.58	22.82	-1.74	0.41	21.06	20.84	21.08	38.45
3		2	22.82	22.68	22.71	-1.74	0.41	21.08	20.94	20.97	38.45	PASS
		3	22.73	22.62	22.61	-1.74	0.41	20.99	20.88	20.87	38.45	PASS
		6	0	21.72	21.45	21.95	-1.74	0.41	19.98	19.71	20.21	38.45

Note:

1) dBd = dBi - 2.15

2) EIRP = Conducted output power + Antenna gain (dBi)

3) ERP = Conducted output power + Antenna gain (dBd)



Test Band: 26b _ 3MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		ERP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	23.55	23.47	24.18	-1.74	0.41	21.81	21.73	22.44	38.45	PASS
		7	23.5	23.6	23.79	-1.74	0.41	21.76	21.86	22.05	38.45	PASS
		14	23.31	23.57	23.36	-1.74	0.41	21.57	21.83	21.62	38.45	PASS
	8	0	22.46	22.48	23.11	-1.74	0.41	20.72	20.74	21.37	38.45	PASS
		4	22.42	22.59	23.05	-1.74	0.41	20.68	20.85	21.31	38.45	PASS
		7	22.34	22.57	22.98	-1.74	0.41	20.6	20.83	21.24	38.45	PASS
	15	0	22.43	22.57	23.03	-1.74	0.41	20.69	20.83	21.29	38.45	PASS
22.66	22.63		23.5	-1.74	0.41	20.92	20.89	21.76	38.45	PASS		
16QAM	1	7	22.61	22.86	23.52	-1.74	0.41	20.87	21.12	21.78	38.45	PASS
		14	22.44	22.81	23.09	-1.74	0.41	20.7	21.07	21.35	38.45	PASS
		8	0	21.6	21.53	22.23	-1.74	0.41	19.86	19.79	20.49	38.45
	8	4	21.57	21.65	22.23	-1.74	0.41	19.83	19.91	20.49	38.45	PASS
		7	21.5	21.61	22.15	-1.74	0.41	19.76	19.87	20.41	38.45	PASS
		15	0	21.56	21.6	22.1	-1.74	0.41	19.82	19.86	20.36	38.45
	Note:											
1) dBd = dBi - 2.15												
2) EIRP = Conducted output power + Antenna gain (dBi)												
3) ERP = Conducted output power + Antenna gain (dBd)												