

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

Test Band: LTE CatM1 B2 1.4MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain(dBi)		EIRP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	LCH/ MCH	HCH	LCH	MCH	HCH		
QPSK	1	0	21.47	21.41	21.46	3.86	1.65	25.33	25.27	23.11	33.01	PASS
		2	21.31	21.51	21.54	3.86	1.65	25.17	25.37	23.19	33.01	PASS
		5	21.11	21.4	21.36	3.86	1.65	24.97	25.26	23.01	33.01	PASS
	3	0	21.22	21.39	21.39	3.86	1.65	25.08	25.25	23.04	33.01	PASS
		2	21.4	21.48	21.44	3.86	1.65	25.26	25.34	23.09	33.01	PASS
		3	21.18	21.34	21.31	3.86	1.65	25.04	25.2	22.96	33.01	PASS
	6	0	20.08	20.64	20.6	3.86	1.65	23.94	24.5	22.25	33.01	PASS
		0	21.08	20.49	20.5	3.86	1.65	24.94	24.35	22.15	33.01	PASS
		0	20.32	20.46	20.52	3.86	1.65	24.18	24.32	22.17	33.01	PASS
16QAM	1	0	20.17	20.61	20.32	3.86	1.65	24.03	24.47	21.97	33.01	PASS
		0	20.65	20.64	20.38	3.86	1.65	24.51	24.5	22.03	33.01	PASS
		2	20.68	20.56	20.59	3.86	1.65	24.54	24.42	22.24	33.01	PASS
	3	2	20.59	20.4	20.61	3.86	1.65	24.45	24.26	22.26	33.01	PASS
		3	20.59	20.4	20.61	3.86	1.65	24.45	24.26	22.26	33.01	PASS
		3	20.59	20.4	20.61	3.86	1.65	24.45	24.26	22.26	33.01	PASS
	6	0	20.63	20.16	20.24	3.86	1.65	24.49	24.02	21.89	33.01	PASS
		0	20.63	20.16	20.24	3.86	1.65	24.49	24.02	21.89	33.01	PASS
		0	20.63	20.16	20.24	3.86	1.65	24.49	24.02	21.89	33.01	PASS

Test Band: LTE CatM1 B2 3MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain(dBi)		EIRP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	LCH/ MCH	HCH	LCH	MCH	HCH		
QPSK	1	0	21.42	21.76	21.56	3.86	1.65	25.28	25.62	23.21	33.01	PASS
		2	21.14	21.36	21.73	3.86	1.65	25	25.22	23.38	33.01	PASS
		5	21.03	21.22	21.55	3.86	1.65	24.89	25.08	23.2	33.01	PASS
	3	0	20.13	20.26	20.33	3.86	1.65	23.99	24.12	21.98	33.01	PASS
		2	20.21	20.24	20.32	3.86	1.65	24.07	24.1	21.97	33.01	PASS
		3	20.25	20.22	20.37	3.86	1.65	24.11	24.08	22.02	33.01	PASS
	6	0	20.26	20.71	20.46	3.86	1.65	24.12	24.57	22.11	33.01	PASS
		0	21.11	20.7	20.32	3.86	1.65	24.97	24.56	21.97	33.01	PASS
		0	20.29	20.44	20.1	3.86	1.65	24.15	24.3	21.75	33.01	PASS
16QAM	1	2	20.09	20.76	20.42	3.86	1.65	23.95	24.62	22.07	33.01	PASS
		5	20.09	20.76	20.42	3.86	1.65	23.95	24.62	22.07	33.01	PASS
		5	20.09	20.76	20.42	3.86	1.65	23.95	24.62	22.07	33.01	PASS
	3	0	20.04	20.05	20	3.86	1.65	23.9	23.91	21.65	33.01	PASS
		2	20.02	20.12	20	3.86	1.65	23.88	23.98	21.65	33.01	PASS
		3	20.15	20.2	20.02	3.86	1.65	24.01	24.06	21.67	33.01	PASS
	6	0	20.7	20.49	20.31	3.86	1.65	24.56	24.35	21.96	33.01	PASS
		0	20.7	20.49	20.31	3.86	1.65	24.56	24.35	21.96	33.01	PASS
		0	20.7	20.49	20.31	3.86	1.65	24.56	24.35	21.96	33.01	PASS

Test Band: LTE CatM1 B2 5MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain(dBi)		EIRP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	LCH/ MCH	HCH	LCH	MCH	HCH		
QPSK	1	0	21.31	21.51	21.48	3.86	1.65	25.17	25.37	23.13	33.01	PASS
		2	21.31	21.47	21.96	3.86	1.65	25.17	25.33	23.61	33.01	PASS
		5	21.14	21.3	21.52	3.86	1.65	25	25.16	23.17	33.01	PASS
	3	0	20.13	20.16	20.28	3.86	1.65	23.99	24.02	21.93	33.01	PASS
		2	20.11	20.25	20.17	3.86	1.65	23.97	24.11	21.82	33.01	PASS
		3	20.19	20.18	20.2	3.86	1.65	24.05	24.04	21.85	33.01	PASS
	6	0	20.15	20.62	20.46	3.86	1.65	24.01	24.48	22.11	33.01	PASS
		0	21.08	20.57	20.28	3.86	1.65	24.94	24.43	21.93	33.01	PASS
		2	20.2	20.14	20.22	3.86	1.65	24.06	24	21.87	33.01	PASS
16QAM	1	5	20.26	20.47	20.71	3.86	1.65	24.12	24.33	22.36	33.01	PASS
		0	20.33	20.23	20.05	3.86	1.65	24.19	24.09	21.7	33.01	PASS
		2	20.23	20.16	20.03	3.86	1.65	24.09	24.02	21.68	33.01	PASS
	3	2	20.03	20.11	20.06	3.86	1.65	23.89	23.97	21.71	33.01	PASS
		3	20.03	20.11	20.06	3.86	1.65	23.89	23.97	21.71	33.01	PASS
		3	20.03	20.11	20.06	3.86	1.65	23.89	23.97	21.71	33.01	PASS
	6	0	20.6	20.35	20.3	3.86	1.65	24.46	24.21	21.95	33.01	PASS
		0	20.6	20.35	20.3	3.86	1.65	24.46	24.21	21.95	33.01	PASS
		0	20.6	20.35	20.3	3.86	1.65	24.46	24.21	21.95	33.01	PASS

Test Band: LTE CatM1 B2 10MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain(dBi)		EIRP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	LCH/ MCH	HCH	LCH	MCH	HCH		
QPSK	1	0	21.54	21.75	21.65	3.86	1.65	25.4	25.61	23.3	33.01	PASS
		2	21.73	21.49	21.92	3.86	1.65	25.59	25.35	23.57	33.01	PASS
		5	21.29	21.53	21.49	3.86	1.65	25.15	25.39	23.14	33.01	PASS
	3	0	20.19	20.34	20.41	3.86	1.65	24.05	24.2	22.06	33.01	PASS
		2	20.4	20.3	20.38	3.86	1.65	24.26	24.16	22.03	33.01	PASS
		3	20.27	20.22	20.33	3.86	1.65	24.13	24.08	21.98	33.01	PASS
	6	0	20.16	20.76	20.57	3.86	1.65	24.02	24.62	22.22	33.01	PASS
			21.42	20.61	20.15	3.86	1.65	25.28	24.47	21.8	33.01	PASS
			20.51	20.22	20.51	3.86	1.65	24.37	24.08	22.16	33.01	PASS
16QAM	1	5	20.12	20.48	20.8	3.86	1.65	23.98	24.34	22.45	33.01	PASS
		0	20.35	20.15	20.05	3.86	1.65	24.21	24.01	21.7	33.01	PASS
		2	20.12	20.11	20.1	3.86	1.65	23.98	23.97	21.75	33.01	PASS
	3	3	20.45	20.11	20.03	3.86	1.65	24.31	23.97	21.68	33.01	PASS
		0	20.8	20.4	20.21	3.86	1.65	24.66	24.26	21.86	33.01	PASS
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Test Band: LTE CatM1 B2 15MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain(dBi)		EIRP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	LCH/ MCH	HCH	LCH	MCH	HCH		
QPSK	1	0	21.56	21.68	21.47	3.86	1.65	25.42	25.54	23.12	33.01	PASS
		2	21.75	21.75	21.92	3.86	1.65	25.61	25.61	23.57	33.01	PASS
		5	21.36	21.47	21.41	3.86	1.65	25.22	25.33	23.06	33.01	PASS
	3	0	20.3	20.25	20.37	3.86	1.65	24.16	24.11	22.02	33.01	PASS
		2	20.34	20.2	20.32	3.86	1.65	24.2	24.06	21.97	33.01	PASS
		3	20.19	20.26	20.3	3.86	1.65	24.05	24.12	21.95	33.01	PASS
	6	0	20.35	20.72	20.55	3.86	1.65	24.21	24.58	22.2	33.01	PASS
			21.3	20.35	20.12	3.86	1.65	25.16	24.21	21.77	33.01	PASS
			20.22	20.21	20.2	3.86	1.65	24.08	24.07	21.85	33.01	PASS
16QAM	1	5	20.38	20.42	20.88	3.86	1.65	24.24	24.28	22.53	33.01	PASS
		0	20.15	20.22	20.02	3.86	1.65	24.01	24.08	21.67	33.01	PASS
		2	20.13	20.11	20.1	3.86	1.65	23.99	23.97	21.75	33.01	PASS
	3	3	20.34	20.12	20.08	3.86	1.65	24.2	23.98	21.73	33.01	PASS
		0	20.91	20.42	20.36	3.86	1.65	24.77	24.28	22.01	33.01	PASS
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Test Band: LTE CatM1 B2 20MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain(dBi)		EIRP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	LCH/ MCH	HCH	LCH	MCH	HCH		
QPSK	1	0	21.64	21.64	21.59	3.86	1.65	25.5	25.5	23.24	33.01	PASS
		2	21.71	21.63	21.96	3.86	1.65	25.57	25.49	23.61	33.01	PASS
		5	21.44	21.46	21.56	3.86	1.65	25.3	25.32	23.21	33.01	PASS
	3	0	20.26	20.3	20.27	3.86	1.65	24.12	24.16	21.92	33.01	PASS
		2	20.46	20.27	20.41	3.86	1.65	24.32	24.13	22.06	33.01	PASS
		3	20.4	20.25	20.35	3.86	1.65	24.26	24.11	22	33.01	PASS
	6	0	20.46	20.71	20.45	3.86	1.65	24.32	24.57	22.1	33.01	PASS
			21.32	20.25	20.16	3.86	1.65	25.18	24.11	21.81	33.01	PASS
			20.04	20.45	20.28	3.86	1.65	23.9	24.31	21.93	33.01	PASS
16QAM	1	5	20.71	20.2	20.98	3.86	1.65	24.57	24.06	22.63	33.01	PASS
		0	20.32	20.03	20.07	3.86	1.65	24.18	23.89	21.72	33.01	PASS
		2	20.32	20.15	20.11	3.86	1.65	24.18	24.01	21.76	33.01	PASS
	3	3	20.41	20.02	20.09	3.86	1.65	24.27	23.88	21.74	33.01	PASS
		0	20.93	20.55	20.27	3.86	1.65	24.79	24.41	21.92	33.01	PASS
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Note:

1) dBd = dBi - 2.15

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

2. Effective (Isotropic) Radiated Power Output Data

2.1 Test Result

Test Band: LTE CatM1 B4 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	21.83	21.19	21.27	/	3.86	25.69	25.05	25.13	30.00	PASS
		2	21.6	20.96	21.29	/	3.86	25.46	24.82	25.15	30.00	PASS
		5	21.55	21.13	21.11	/	3.86	25.41	24.99	24.97	30.00	PASS
	3	0	20.58	20.26	20.39	/	3.86	24.44	24.12	24.25	30.00	PASS
		2	20.68	20.26	20.57	/	3.86	24.54	24.12	24.43	30.00	PASS
		3	20.24	20.01	20.55	/	3.86	24.1	23.87	24.41	30.00	PASS
	6	0	20.61	20.26	20.05	/	3.86	24.47	24.12	23.91	30.00	PASS
16QAM	1		21.86	20.27	20.16	/	3.86	25.72	24.13	24.02	30.00	PASS
		2	20.96	20.22	20.22	/	3.86	24.82	24.08	24.08	30.00	PASS
		5	20.97	20.3	20.51	/	3.86	24.83	24.16	24.37	30.00	PASS
	3	0	20.14	20.41	20.12	/	3.86	24	24.27	23.98	30.00	PASS
		2	20.02	20.25	20.22	/	3.86	23.88	24.11	24.08	30.00	PASS
		3	20.29	20.05	20.31	/	3.86	24.15	23.91	24.17	30.00	PASS
	6	0	21.21	20.07	20.26	/	3.86	25.07	23.93	24.12	30.00	PASS

Test Band: LTE CatM1 B4 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	21.38	21.35	21	/	3.86	25.24	25.21	24.86	30.00	PASS
		2	21.57	21.13	21.28	/	3.86	25.43	24.99	25.14	30.00	PASS
		5	21.56	21.25	21.14	/	3.86	25.42	25.11	25	30.00	PASS
	3	0	20.56	20.69	20.72	/	3.86	24.42	24.55	24.58	30.00	PASS
		2	20.7	20.62	20.49	/	3.86	24.56	24.48	24.35	30.00	PASS
		3	20.71	20.43	20.44	/	3.86	24.57	24.29	24.3	30.00	PASS
	6	0	20.66	20.73	20	/	3.86	24.52	24.59	23.86	30.00	PASS
	21.91		20.69	20.53	/	3.86	25.77	24.55	24.39	30.00	PASS	
16QAM	1	2	20.94	20.14	20.26	/	3.86	24.8	24	24.12	30.00	PASS
		5	20.92	20.35	20.85	/	3.86	24.78	24.21	24.71	30.00	PASS
		0	20.1	20.43	20.1	/	3.86	23.96	24.29	23.96	30.00	PASS
	3	2	20.05	20.2	20.26	/	3.86	23.91	24.06	24.12	30.00	PASS
		3	20.33	20.34	20.05	/	3.86	24.19	24.2	23.91	30.00	PASS
	6	0	21.17	20.49	20.23	/	3.86	25.03	24.35	24.09	30.00	PASS

Test Band: LTE CatM1 B4 _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	21.78	21.18	21.3	/	3.86	25.64	25.04	25.16	30.00	PASS
		2	21.37	21.11	21.44	/	3.86	25.23	24.97	25.3	30.00	PASS
		5	21.53	21.05	21.22	/	3.86	25.39	24.91	25.08	30.00	PASS
	3	0	20.64	20.24	20.37	/	3.86	24.5	24.1	24.23	30.00	PASS
		2	20.62	20.24	20.48	/	3.86	24.48	24.1	24.34	30.00	PASS
		3	20.62	20.39	20.45	/	3.86	24.48	24.25	24.31	30.00	PASS
	6	0	20.63	20.71	20.11	/	3.86	24.49	24.57	23.97	30.00	PASS
	16QAM	1		21.89	20.66	20.21	/	3.86	25.75	24.52	24.07	30.00
2			20.95	20.09	20.2	/	3.86	24.81	23.95	24.06	30.00	PASS
5			20.91	20.71	20.54	/	3.86	24.77	24.57	24.4	30.00	PASS
3		0	20.13	20.37	20.55	/	3.86	23.99	24.23	24.41	30.00	PASS
		2	20.04	20.54	20.14	/	3.86	23.9	24.4	24	30.00	PASS
		3	20.35	20.14	20.26	/	3.86	24.21	24	24.12	30.00	PASS
6		0	21.22	20.52	20.44	/	3.86	25.08	24.38	24.3	30.00	PASS

Test Band: LTE CatM1 B4 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	21.41	21.18	21.29	/	3.86	25.27	25.04	25.15	30.00	PASS
		2	21.28	21.06	21.39	/	3.86	25.14	24.92	25.25	30.00	PASS
		5	21.55	21.17	21.2	/	3.86	25.41	25.03	25.06	30.00	PASS
	3	0	20.62	20.24	20.55	/	3.86	24.48	24.1	24.41	30.00	PASS
		2	20.64	20.29	20.57	/	3.86	24.5	24.15	24.43	30.00	PASS
		3	20.64	20.41	20.51	/	3.86	24.5	24.27	24.37	30.00	PASS
	6	0	20.58	20.28	20.11	/	3.86	24.44	24.14	23.97	30.00	PASS
			21.84	20.73	20.13	/	3.86	25.7	24.59	23.99	30.00	PASS
			20.96	20.35	19.85	/	3.86	24.82	24.21	23.71	30.00	PASS
16QAM	1	2	20.78	20.63	20.84	/	3.86	24.64	24.49	24.7	30.00	PASS
		0	20.12	20.45	20.55	/	3.86	23.98	24.31	24.41	30.00	PASS
		2	20.39	20.06	20.39	/	3.86	24.25	23.92	24.25	30.00	PASS
	3	3	20.34	20.06	20.33	/	3.86	24.2	23.92	24.19	30.00	PASS
		0	21.2	20.51	20.33	/	3.86	25.06	24.37	24.19	30.00	PASS
		0	21.2	20.51	20.33	/	3.86	25.06	24.37	24.19	30.00	PASS
	6	0	21.2	20.51	20.33	/	3.86	25.06	24.37	24.19	30.00	PASS
		0	21.2	20.51	20.33	/	3.86	25.06	24.37	24.19	30.00	PASS
		0	21.2	20.51	20.33	/	3.86	25.06	24.37	24.19	30.00	PASS

Test Band: LTE CatM1 B4 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	21.37	21.51	21.44	/	3.86	25.23	25.37	25.3	30.00	PASS
		2	21.6	21.19	21.45	/	3.86	25.46	25.05	25.31	30.00	PASS
		5	21.14	21.16	21.05	/	3.86	25	25.02	24.91	30.00	PASS
	3	0	20.6	20.31	20.49	/	3.86	24.46	24.17	24.35	30.00	PASS
		2	20.62	20.24	20.52	/	3.86	24.48	24.1	24.38	30.00	PASS
		3	20.7	20.35	20.57	/	3.86	24.56	24.21	24.43	30.00	PASS
	6	0	20.66	20.3	20.2	/	3.86	24.52	24.16	24.06	30.00	PASS
		0	21.86	20.67	20.53	/	3.86	25.72	24.53	24.39	30.00	PASS
		0	21.86	20.67	20.53	/	3.86	25.72	24.53	24.39	30.00	PASS
16QAM	1	2	20.93	20.49	20.35	/	3.86	24.79	24.35	24.21	30.00	PASS
		5	20.72	20.64	20.85	/	3.86	24.58	24.5	24.71	30.00	PASS
		0	20.13	20.45	20.13	/	3.86	23.99	24.31	23.99	30.00	PASS
	3	2	20.23	20.52	20.17	/	3.86	24.09	24.38	24.03	30.00	PASS
		3	20.28	20.05	20.14	/	3.86	24.14	23.91	24	30.00	PASS
		0	21.17	20.1	20.19	/	3.86	25.03	23.96	24.05	30.00	PASS
	6	0	21.17	20.1	20.19	/	3.86	25.03	23.96	24.05	30.00	PASS
		0	21.17	20.1	20.19	/	3.86	25.03	23.96	24.05	30.00	PASS
		0	21.17	20.1	20.19	/	3.86	25.03	23.96	24.05	30.00	PASS

Test Band: LTE CatM1 B4 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	21.48	21.06	21.42	/	3.86	25.34	24.92	25.28	30.00	PASS
		2	21.37	21.21	21.41	/	3.86	25.23	25.07	25.27	30.00	PASS
		5	21.16	21.13	21.01	/	3.86	25.02	24.99	24.87	30.00	PASS
	3	0	20.64	20.23	20.5	/	3.86	24.5	24.09	24.36	30.00	PASS
		2	20.64	20.2	20.4	/	3.86	24.5	24.06	24.26	30.00	PASS
		3	20.67	20.33	20.44	/	3.86	24.53	24.19	24.3	30.00	PASS
	6	0	20.62	20.68	20.04	/	3.86	24.48	24.54	23.9	30.00	PASS
		0	21.91	20.52	20.55	/	3.86	25.77	24.38	24.41	30.00	PASS
		0	21.91	20.52	20.55	/	3.86	25.77	24.38	24.41	30.00	PASS
16QAM	1	2	20.69	20.53	20.64	/	3.86	24.55	24.39	24.5	30.00	PASS
		5	20.93	20.66	20.85	/	3.86	24.79	24.52	24.71	30.00	PASS
		0	20.11	20.05	20.29	/	3.86	23.97	23.91	24.15	30.00	PASS
	3	2	20.01	20.26	20.49	/	3.86	23.87	24.12	24.35	30.00	PASS
		3	20.29	20.05	20.17	/	3.86	24.15	23.91	24.03	30.00	PASS
		0	21.2	20.12	20.35	/	3.86	25.06	23.98	24.21	30.00	PASS
	6	0	21.2	20.12	20.35	/	3.86	25.06	23.98	24.21	30.00	PASS
		0	21.2	20.12	20.35	/	3.86	25.06	23.98	24.21	30.00	PASS
		0	21.2	20.12	20.35	/	3.86	25.06	23.98	24.21	30.00	PASS

Note:

1) dBd = dBi - 2.15

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

3. Effective (Isotropic) Radiated Power Output Data

3.1 Test Result

Test Band: LTE CatM1 B12 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	23.81	23.32	23.16	-0.77	1.38	23.04	22.55	22.39	34.77	PASS
		2	23.62	23.1	23.33	-0.77	1.38	22.85	22.33	22.56	34.77	PASS
		5	23.57	23.08	23.16	-0.77	1.38	22.8	22.31	22.39	34.77	PASS
	3	0	22.4	22.37	22.56	-0.77	1.38	21.63	21.6	21.79	34.77	PASS
		2	22.54	22.43	22.51	-0.77	1.38	21.77	21.66	21.74	34.77	PASS
		3	22.47	22.47	22.44	-0.77	1.38	21.7	21.7	21.67	34.77	PASS
	6	0	22.34	22.38	22.04	-0.77	1.38	21.57	21.61	21.27	34.77	PASS
	16QAM	1	22.73	22.69	22.13	-0.77	1.38	21.96	21.92	21.36	34.77	PASS
			22.28	22.2	22.27	-0.77	1.38	21.51	21.43	21.5	34.77	PASS
			22.34	22.04	22.2	-0.77	1.38	21.57	21.27	21.43	34.77	PASS
		3	22.17	22.4	22.24	-0.77	1.38	21.4	21.63	21.47	34.77	PASS
			21.89	22.26	22.35	-0.77	1.38	21.12	21.49	21.58	34.77	PASS
			22.06	22.34	22.31	-0.77	1.38	21.29	21.57	21.54	34.77	PASS
		6	22.94	22.15	22.22	-0.77	1.38	22.17	21.38	21.45	34.77	PASS

Test Band: LTE CatM1 B12 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	23.57	23.41	23.38	-0.77	1.38	22.8	22.64	22.61	34.77	PASS
		2	23.53	22.91	23.25	-0.77	1.38	22.76	22.14	22.48	34.77	PASS
		5	23.43	23.04	22.9	-0.77	1.38	22.66	22.27	22.13	34.77	PASS
	3	0	22.43	22.42	22.54	-0.77	1.38	21.66	21.65	21.77	34.77	PASS
		2	22.38	22.44	22.65	-0.77	1.38	21.61	21.67	21.88	34.77	PASS
		3	22.48	22.45	22.56	-0.77	1.38	21.71	21.68	21.79	34.77	PASS
	6	0	22.42	22.46	22.11	-0.77	1.38	21.65	21.69	21.34	34.77	PASS
	16QAM	1	22.52	22.36	21.62	-0.77	1.38	21.75	21.59	20.85	34.77	PASS
			22.75	21.86	22.01	-0.77	1.38	21.98	21.09	21.24	34.77	PASS
			22.7	21.71	22.44	-0.77	1.38	21.93	20.94	21.67	34.77	PASS
		3	21.64	22	22.42	-0.77	1.38	20.87	21.23	21.65	34.77	PASS
			21.72	21.92	22.54	-0.77	1.38	20.95	21.15	21.77	34.77	PASS
			22.19	21.89	22.34	-0.77	1.38	21.42	21.12	21.57	34.77	PASS
		6	22.95	22.21	22.2	-0.77	1.38	22.18	21.44	21.43	34.77	PASS

Test Band: LTE CatM1 B12 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	23.52	23.33	23.08	-0.77	1.38	22.75	22.56	22.31	34.77	PASS
		2	23.6	23.18	23.38	-0.77	1.38	22.83	22.41	22.61	34.77	PASS
		5	23.1	22.81	23.07	-0.77	1.38	22.33	22.04	22.3	34.77	PASS
	3	0	22.32	22.4	22.5	-0.77	1.38	21.55	21.63	21.73	34.77	PASS
		2	22.47	22.39	22.59	-0.77	1.38	21.7	21.62	21.82	34.77	PASS
		3	22.54	22.41	22.56	-0.77	1.38	21.77	21.64	21.79	34.77	PASS
	6	0	22.51	22.47	22.15	-0.77	1.38	21.74	21.7	21.38	34.77	PASS
	16QAM	1	22.97	22.74	21.96	-0.77	1.38	22.2	21.97	21.19	34.77	PASS
			22.55	21.75	22.5	-0.77	1.38	21.78	20.98	21.73	34.77	PASS
			22.66	22.14	22.29	-0.77	1.38	21.89	21.37	21.52	34.77	PASS
		3	21.67	21.96	22.39	-0.77	1.38	20.9	21.19	21.62	34.77	PASS
			21.6	21.95	22.28	-0.77	1.38	20.83	21.18	21.51	34.77	PASS
			22.24	22.16	22.27	-0.77	1.38	21.47	21.39	21.5	34.77	PASS
		6	22.92	22.28	22.35	-0.77	1.38	22.15	21.51	21.58	34.77	PASS

Test Band: LTE CatM1 B12 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	23.46	23.54	23.18	-0.77	1.38	22.69	22.77	22.41	34.77	PASS
		2	23.6	23.22	23.42	-0.77	1.38	22.83	22.45	22.65	34.77	PASS
		5	23.42	23.21	23.07	-0.77	1.38	22.65	22.44	22.3	34.77	PASS
	3	0	22.4	22.48	22.36	-0.77	1.38	21.63	21.71	21.59	34.77	PASS
		2	22.57	22.44	22.6	-0.77	1.38	21.8	21.67	21.83	34.77	PASS
		3	22.54	22.44	22.51	-0.77	1.38	21.77	21.67	21.74	34.77	PASS
	6	0	22.51	22.43	22.09	-0.77	1.38	21.74	21.66	21.32	34.77	PASS
16QAM	1		22.98	22.02	22.27	-0.77	1.38	22.21	21.25	21.5	34.77	PASS
	2	22.97	22.39	22.71	-0.77	1.38	22.2	21.62	21.94	34.77	PASS	
		5	22.82	22	22.55	-0.77	1.38	22.05	21.23	21.78	34.77	PASS
		3	0	21.91	22.38	22.59	-0.77	1.38	21.14	21.61	21.82	34.77
	2		21.91	21.98	22.33	-0.77	1.38	21.14	21.21	21.56	34.77	PASS
	3		22.24	22.16	22.39	-0.77	1.38	21.47	21.39	21.62	34.77	PASS
	6	0	22.72	22.25	22.4	-0.77	1.38	21.95	21.48	21.63	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)

4. Effective (Isotropic) Radiated Power Output Data

4.1 Test Result

Test Band: LTE CatM1 B13 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	23.69	23.44	23.21	-0.77	1.38	22.92	22.67	22.44	34.77	PASS
		2	23.85	23.21	23.14	-0.77	1.38	23.08	22.44	22.37	34.77	PASS
		5	23.58	23.11	22.96	-0.77	1.38	22.81	22.34	22.19	34.77	PASS
	3	0	22.74	22.49	22.53	-0.77	1.38	21.97	21.72	21.76	34.77	PASS
		2	22.8	22.4	22.53	-0.77	1.38	22.03	21.63	21.76	34.77	PASS
		3	22.77	22.48	22.56	-0.77	1.38	22	21.71	21.79	34.77	PASS
	6	0	22.77	22.48	22.19	-0.77	1.38	22	21.71	21.42	34.77	PASS
			23.06	23.11	23.05	-0.77	1.38	22.29	22.34	22.28	34.77	PASS
			22.8	22.86	22.73	-0.77	1.38	22.03	22.09	21.96	34.77	PASS
16QAM	1	0	22.96	22.3	22.51	-0.77	1.38	22.19	21.53	21.74	34.77	PASS
		2	22.37	22.36	22.29	-0.77	1.38	21.6	21.59	21.52	34.77	PASS
		3	22.27	22.3	22.58	-0.77	1.38	21.5	21.53	21.81	34.77	PASS
	3	0	22.59	22.19	22.34	-0.77	1.38	21.82	21.42	21.57	34.77	PASS
		2	22.85	22.46	22.6	-0.77	1.38	22.08	21.69	21.83	34.77	PASS
		3										
	6	0										

Test Band: LTE CatM1 B13 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	/	23.6	/	-0.77	1.38	/	22.83	/	34.77	PASS
		2	/	22.78	/	-0.77	1.38	/	22.01	/	34.77	PASS
		5	/	23.35	/	-0.77	1.38	/	22.58	/	34.77	PASS
	3	0	/	22.59	/	-0.77	1.38	/	21.82	/	34.77	PASS
		2	/	22.51	/	-0.77	1.38	/	21.74	/	34.77	PASS
		3	/	22.48	/	-0.77	1.38	/	21.71	/	34.77	PASS
	6	0	/	22.6	/	-0.77	1.38	/	21.83	/	34.77	PASS
			/	22.56	/	-0.77	1.38	/	21.79	/	34.77	PASS
			/	22.49	/	-0.77	1.38	/	21.72	/	34.77	PASS
16QAM	1	0	/	22.47	/	-0.77	1.38	/	21.7	/	34.77	PASS
		2	/	22.48	/	-0.77	1.38	/	21.71	/	34.77	PASS
		3	/	22.06	/	-0.77	1.38	/	21.29	/	34.77	PASS
	3	0	/	22.18	/	-0.77	1.38	/	21.41	/	34.77	PASS
		2	/	22.46	/	-0.77	1.38	/	21.69	/	34.77	PASS
		3										
	6	0										

Note:

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