

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		EIRP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
QPSK	1	0	22.98	22.81	22.97	/	0.22	23.2	23.03	23.19	33.01	PASS
		2	22.79	22.74	22.89	/	0.22	23.01	22.96	23.11	33.01	PASS
		5	22.87	22.8	22.83	/	0.22	23.09	23.02	23.05	33.01	PASS
	3	0	22.88	22.68	22.79	/	0.22	23.1	22.9	23.01	33.01	PASS
		2	22.75	22.68	22.83	/	0.22	22.97	22.9	23.05	33.01	PASS
		3	22.69	22.68	22.67	/	0.22	22.91	22.9	22.89	33.01	PASS
	6	0	21.87	21.77	21.96	/	0.22	22.09	21.99	22.18	33.01	PASS
		2	22.01	21.96	22.22	/	0.22	22.23	22.18	22.44	33.01	PASS
		5	21.67	21.9	22.42	/	0.22	21.89	22.12	22.64	33.01	PASS
16QAM	1	0	21.69	21.89	21.71	/	0.22	21.91	22.11	21.93	33.01	PASS
		2	21.81	21.91	21.84	/	0.22	22.03	22.13	22.06	33.01	PASS
		3	21.78	21.88	21.85	/	0.22	22	22.1	22.07	33.01	PASS
	3	0	21.38	20.92	20.87	/	0.22	21.6	21.14	21.09	33.01	PASS
		2	21.85	21.96	22.39	/	0.22	22.07	22.18	22.61	33.01	PASS
		5	21.67	21.9	22.42	/	0.22	21.89	22.12	22.64	33.01	PASS
	6	0	21.69	21.89	21.71	/	0.22	21.91	22.11	21.93	33.01	PASS
		2	21.81	21.91	21.84	/	0.22	22.03	22.13	22.06	33.01	PASS
		3	21.78	21.88	21.85	/	0.22	22	22.1	22.07	33.01	PASS

Test Band: LTE CatM1 B2 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	22.98	22.96	22.97	/	0.22	23.2	23.18	23.19	33.01	PASS
		2	22.85	22.91	22.84	/	0.22	23.07	23.13	23.06	33.01	PASS
		5	22.99	22.8	22.76	/	0.22	23.21	23.02	22.98	33.01	PASS
	3	0	21.87	21.7	21.83	/	0.22	22.09	21.92	22.05	33.01	PASS
		2	21.65	21.73	21.85	/	0.22	21.87	21.95	22.07	33.01	PASS
		3	21.62	21.69	21.69	/	0.22	21.84	21.91	21.91	33.01	PASS
	6	0	21.82	21.76	22.02	/	0.22	22.04	21.98	22.24	33.01	PASS
		2	22.38	21.96	21.83	/	0.22	22.6	22.18	22.05	33.01	PASS
		5	22.05	21.88	21.91	/	0.22	22.27	22.1	22.13	33.01	PASS
16QAM	1	0	22.11	21.73	21.84	/	0.22	22.33	21.95	22.06	33.01	PASS
		2	20.9	20.88	20.54	/	0.22	21.12	21.1	20.76	33.01	PASS
		3	20.98	20.82	20.53	/	0.22	21.2	21.04	20.75	33.01	PASS
	3	0	20.95	20.77	20.54	/	0.22	21.17	20.99	20.76	33.01	PASS
		2	21.28	20.9	20.76	/	0.22	21.5	21.12	20.98	33.01	PASS
		3	20.95	20.77	20.54	/	0.22	21.17	20.99	20.76	33.01	PASS
	6	0	21.28	20.9	20.76	/	0.22	21.5	21.12	20.98	33.01	PASS
		2	22.05	21.88	21.91	/	0.22	22.27	22.1	22.13	33.01	PASS
		5	22.11	21.73	21.84	/	0.22	22.33	21.95	22.06	33.01	PASS

Test Band: LTE CatM1 B2 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	22.88	22.98	22.94	/	0.22	23.1	23.2	23.16	33.01	PASS
		2	22.76	22.73	22.74	/	0.22	22.98	22.95	22.96	33.01	PASS
		5	22.8	22.77	22.85	/	0.22	23.02	22.99	23.07	33.01	PASS
	3	0	21.71	21.81	21.94	/	0.22	21.93	22.03	22.16	33.01	PASS
		2	21.62	21.67	21.85	/	0.22	21.84	21.89	22.07	33.01	PASS
		3	21.63	21.61	21.73	/	0.22	21.85	21.83	21.95	33.01	PASS
	6	0	21.46	21.77	21.91	/	0.22	21.68	21.99	22.13	33.01	PASS
		2	21.86	22.26	21.92	/	0.22	22.08	22.48	22.14	33.01	PASS
		5	22.11	22.04	22.03	/	0.22	22.33	22.26	22.25	33.01	PASS
16QAM	1	0	21.59	22	22.02	/	0.22	21.81	22.22	22.24	33.01	PASS
		2	20.62	20.89	20.46	/	0.22	20.84	21.11	20.68	33.01	PASS
		3	20.76	20.79	20.35	/	0.22	20.98	21.01	20.57	33.01	PASS
	3	0	20.82	20.74	20.55	/	0.22	21.04	20.96	20.77	33.01	PASS
		2	20.83	20.79	20.87	/	0.22	21.05	21.01	21.09	33.01	PASS
		3	20.82	20.74	20.55	/	0.22	21.04	20.96	20.77	33.01	PASS
	6	0	20.83	20.79	20.87	/	0.22	21.05	21.01	21.09	33.01	PASS
		2	22.11	22.04	22.03	/	0.22	22.33	22.26	22.25	33.01	PASS
		5	21.59	22	22.02	/	0.22	21.81	22.22	22.24	33.01	PASS

Test Band: LTE CatM1 B2_ 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	22.97	22.97	22.93	/	0.22	23.19	23.19	23.15	33.01	PASS
		2	22.73	22.74	22.74	/	0.22	22.95	22.96	22.96	33.01	PASS
		5	22.67	22.67	22.65	/	0.22	22.89	22.89	22.87	33.01	PASS
	3	0	21.72	21.64	21.97	/	0.22	21.94	21.86	22.19	33.01	PASS
		2	21.7	21.7	21.86	/	0.22	21.92	21.92	22.08	33.01	PASS
		3	21.8	21.64	21.74	/	0.22	22.02	21.86	21.96	33.01	PASS
16QAM	1	0	21.67	21.77	21.93	/	0.22	21.89	21.99	22.15	33.01	PASS
		2	22.21	22.22	22.13	/	0.22	22.43	22.44	22.35	33.01	PASS
		5	21.98	21.7	22.05	/	0.22	22.2	21.92	22.27	33.01	PASS
	3	0	21.82	21.98	21.6	/	0.22	22.04	22.2	21.82	33.01	PASS
		2	20.6	20.83	20.56	/	0.22	20.82	21.05	20.78	33.01	PASS
		3	20.88	20.84	20.35	/	0.22	21.1	21.06	20.57	33.01	PASS
	6	0	20.9	20.88	20.55	/	0.22	21.12	21.1	20.77	33.01	PASS
		2	21.12	21.1	20.77	/	0.22	21.12	21.1	20.77	33.01	PASS
		3	20.98	20.91	20.92	/	0.22	21.2	21.13	21.14	33.01	PASS

Test Band: LTE CatM1 B2_ 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	22.91	22.87	22.84	/	0.22	23.13	23.09	23.06	33.01	PASS
		2	22.69	22.62	22.77	/	0.22	22.91	22.84	22.99	33.01	PASS
		5	22.79	22.72	22.84	/	0.22	23.01	22.94	23.06	33.01	PASS
	3	0	21.68	21.6	21.67	/	0.22	21.9	21.82	21.89	33.01	PASS
		2	21.59	21.63	21.65	/	0.22	21.81	21.85	21.87	33.01	PASS
		3	21.76	21.54	21.49	/	0.22	21.98	21.76	21.71	33.01	PASS
16QAM	1	0	21.56	21.59	21.72	/	0.22	21.78	21.81	21.94	33.01	PASS
		2	21.88	21.92	21.84	/	0.22	22.1	22.14	22.06	33.01	PASS
		5	21.67	21.62	21.87	/	0.22	21.89	21.84	22.09	33.01	PASS
	3	0	21.67	21.78	21.93	/	0.22	21.89	22	22.15	33.01	PASS
		2	20.72	20.71	20.19	/	0.22	20.94	20.93	20.41	33.01	PASS
		3	20.77	20.74	20.1	/	0.22	20.99	20.96	20.32	33.01	PASS
	6	0	20.83	20.73	20.24	/	0.22	21.05	20.95	20.46	33.01	PASS
		2	20.96	20.8	20.71	/	0.22	21.18	21.02	20.93	33.01	PASS
		3	20.96	20.8	20.71	/	0.22	21.18	21.02	20.93	33.01	PASS

Test Band: LTE CatM1 B2_ 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	22.81	22.86	22.65	/	0.22	23.03	23.08	22.87	33.01	PASS
		2	22.7	22.76	22.66	/	0.22	22.92	22.98	22.88	33.01	PASS
		5	22.48	22.73	22.69	/	0.22	22.7	22.95	22.91	33.01	PASS
	3	0	21.72	21.62	21.57	/	0.22	21.94	21.84	21.79	33.01	PASS
		2	21.66	21.61	21.59	/	0.22	21.88	21.83	21.81	33.01	PASS
		3	21.73	21.49	21.56	/	0.22	21.95	21.71	21.78	33.01	PASS
16QAM	1	0	21.61	21.7	21.76	/	0.22	21.83	21.92	21.98	33.01	PASS
		2	21.87	21.81	21.96	/	0.22	22.09	22.03	22.18	33.01	PASS
		5	21.78	21.28	21.84	/	0.22	22	21.5	22.06	33.01	PASS
	3	0	21.4	21.43	21.22	/	0.22	21.62	21.65	21.44	33.01	PASS
		2	20.6	20.73	20.16	/	0.22	20.82	20.95	20.38	33.01	PASS
		3	20.76	20.71	20.12	/	0.22	20.98	20.93	20.34	33.01	PASS
	6	0	20.82	20.56	20.32	/	0.22	21.04	20.78	20.54	33.01	PASS
		2	20.91	20.78	20.61	/	0.22	21.13	21	20.83	33.01	PASS
		3	20.91	20.78	20.61	/	0.22	21.13	21	20.83	33.01	PASS

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	23.33	23.17	23.01	/	1.37	24.7	24.54	24.38	30.00	PASS
		2	22.95	22.84	22.91	/	1.37	24.32	24.21	24.28	30.00	PASS
		5	22.79	22.55	22.9	/	1.37	24.16	23.92	24.27	30.00	PASS
	3	0	22.73	22.79	22.92	/	1.37	24.1	24.16	24.29	30.00	PASS
		2	22.85	22.75	22.93	/	1.37	24.22	24.12	24.3	30.00	PASS
		3	22.61	22.71	22.74	/	1.37	23.98	24.08	24.11	30.00	PASS
	6	0	21.94	21.72	21.85	/	1.37	23.31	23.09	23.22	30.00	PASS
		2	22.34	22.16	22.13	/	1.37	23.71	23.53	23.5	30.00	PASS
		5	22.39	22.17	22.18	/	1.37	23.76	23.54	23.55	30.00	PASS
16QAM	1	0	21.96	21.61	21.8	/	1.37	23.33	22.98	23.17	30.00	PASS
		2	21.83	21.84	21.84	/	1.37	23.2	23.21	23.21	30.00	PASS
		3	21.78	21.82	21.84	/	1.37	23.15	23.19	23.21	30.00	PASS
	3	0	21.18	21.38	21.12	/	1.37	22.55	22.75	22.49	30.00	PASS
		2	22.65	22.11	22.09	/	1.37	24.02	23.48	23.46	30.00	PASS
		5	22.39	22.17	22.18	/	1.37	23.76	23.54	23.55	30.00	PASS
	6	0	21.96	21.61	21.8	/	1.37	23.33	22.98	23.17	30.00	PASS
		2	21.83	21.84	21.84	/	1.37	23.2	23.21	23.21	30.00	PASS
		3	21.78	21.82	21.84	/	1.37	23.15	23.19	23.21	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	23.37	23.16	23.02	/	1.37	24.74	24.53	24.39	30.00	PASS
		2	22.77	22.74	22.89	/	1.37	24.14	24.11	24.26	30.00	PASS
		5	22.95	22.74	22.93	/	1.37	24.32	24.11	24.3	30.00	PASS
	3	0	21.98	21.68	21.95	/	1.37	23.35	23.05	23.32	30.00	PASS
		2	21.93	21.79	21.75	/	1.37	23.3	23.16	23.12	30.00	PASS
		3	21.96	21.73	21.86	/	1.37	23.33	23.1	23.23	30.00	PASS
	6	0	21.68	21.74	21.84	/	1.37	23.05	23.11	23.21	30.00	PASS
		2	21.72	21.76	21.89	/	1.37	23.09	23.13	23.26	30.00	PASS
		5	21.71	21.81	21.94	/	1.37	23.1	23.18	23.31	30.00	PASS
16QAM	1	0	21.3	20.77	20.87	/	1.37	22.67	22.14	22.24	30.00	PASS
		2	21.36	20.91	20.85	/	1.37	22.73	22.28	22.22	30.00	PASS
		3	21.52	20.92	20.87	/	1.37	22.89	22.29	22.24	30.00	PASS
	3	0	21.1	20.91	20.99	/	1.37	22.47	22.28	22.36	30.00	PASS
		2	21.36	20.91	20.85	/	1.37	22.73	22.28	22.22	30.00	PASS
		3	21.52	20.92	20.87	/	1.37	22.89	22.29	22.24	30.00	PASS
	6	0	21.1	20.91	20.99	/	1.37	22.47	22.28	22.36	30.00	PASS
		2	21.36	20.91	20.85	/	1.37	22.73	22.28	22.22	30.00	PASS
		3	21.52	20.92	20.87	/	1.37	22.89	22.29	22.24	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	23.38	23.18	23.01	/	1.37	24.75	24.55	24.38	30.00	PASS
		2	23.44	23.19	23.01	/	1.37	24.81	24.56	24.38	30.00	PASS
		5	23.25	22.97	22.97	/	1.37	24.62	24.34	24.34	30.00	PASS
	3	0	22.32	22.16	22.11	/	1.37	23.69	23.53	23.48	30.00	PASS
		2	22	21.89	21.94	/	1.37	23.37	23.26	23.31	30.00	PASS
		3	21.87	21.78	21.74	/	1.37	23.24	23.15	23.11	30.00	PASS
	6	0	21.95	21.85	21.93	/	1.37	23.32	23.22	23.3	30.00	PASS
		2	22.27	22.27	22.16	/	1.37	23.64	23.64	23.53	30.00	PASS
		5	22.11	22.12	22.01	/	1.37	23.48	23.49	23.38	30.00	PASS
16QAM	1	0	21.27	20.77	20.97	/	1.37	22.64	22.14	22.34	30.00	PASS
		2	21.3	20.91	20.76	/	1.37	22.67	22.28	22.13	30.00	PASS
		3	21.46	20.97	20.91	/	1.37	22.83	22.34	22.28	30.00	PASS
	3	0	21.25	20.88	21.15	/	1.37	22.62	22.25	22.52	30.00	PASS
		2	21.46	20.97	20.91	/	1.37	22.83	22.34	22.28	30.00	PASS
		3	21.46	20.97	20.91	/	1.37	22.83	22.34	22.28	30.00	PASS
	6	0	21.25	20.88	21.15	/	1.37	22.62	22.25	22.52	30.00	PASS
		2	21.46	20.97	20.91	/	1.37	22.83	22.34	22.28	30.00	PASS
		3	21.46	20.97	20.91	/	1.37	22.83	22.34	22.28	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	23.39	23.27	23.11	/	1.37	24.76	24.64	24.48	30.00	PASS
		2	23.49	23.43	23.26	/	1.37	24.86	24.8	24.63	30.00	PASS
		5	22.9	22.74	22.7	/	1.37	24.27	24.11	24.07	30.00	PASS
	3	0	22.15	21.71	21.91	/	1.37	23.52	23.08	23.28	30.00	PASS
		2	22.02	21.87	21.89	/	1.37	23.39	23.24	23.26	30.00	PASS
		3	21.93	21.9	21.81	/	1.37	23.3	23.27	23.18	30.00	PASS
16QAM	1	0	21.82	21.76	21.9	/	1.37	23.19	23.13	23.27	30.00	PASS
			22.57	22	22.23	/	1.37	23.94	23.37	23.6	30.00	PASS
		2	22.58	22.19	22.16	/	1.37	23.95	23.56	23.53	30.00	PASS
	3	5	22.35	22.12	22.42	/	1.37	23.72	23.49	23.79	30.00	PASS
		0	21.25	20.81	20.85	/	1.37	22.62	22.18	22.22	30.00	PASS
		2	21.35	20.98	20.77	/	1.37	22.72	22.35	22.14	30.00	PASS
	6	3	21.51	21.04	20.99	/	1.37	22.88	22.41	22.36	30.00	PASS
		0	21.21	20.92	21.11	/	1.37	22.58	22.29	22.48	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	23.18	23.27	23.12	/	1.37	24.55	24.64	24.49	30.00	PASS
		2	23.28	23.14	23.09	/	1.37	24.65	24.51	24.46	30.00	PASS
		5	22.71	22.27	22.77	/	1.37	24.08	23.64	24.14	30.00	PASS
	3	0	21.62	21.65	21.63	/	1.37	22.99	23.02	23	30.00	PASS
		2	21.8	21.69	21.73	/	1.37	23.17	23.06	23.1	30.00	PASS
		3	21.79	21.6	21.47	/	1.37	23.16	22.97	22.84	30.00	PASS
16QAM	1	0	21.67	21.61	21.5	/	1.37	23.04	22.98	22.87	30.00	PASS
			21.96	21.9	21.89	/	1.37	23.33	23.27	23.26	30.00	PASS
		2	22.1	21.72	21.74	/	1.37	23.47	23.09	23.11	30.00	PASS
	3	5	21.66	21.57	21.61	/	1.37	23.03	22.94	22.98	30.00	PASS
		0	21.19	20.8	20.47	/	1.37	22.56	22.17	21.84	30.00	PASS
		2	21.15	20.87	20.5	/	1.37	22.52	22.24	21.87	30.00	PASS
	6	3	21.31	20.74	20.51	/	1.37	22.68	22.11	21.88	30.00	PASS
		0	20.89	20.76	20.76	/	1.37	22.26	22.13	22.13	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	23.28	23.18	23.23	/	1.37	24.65	24.55	24.6	30.00	PASS
		2	23.23	22.83	22.62	/	1.37	24.6	24.2	23.99	30.00	PASS
		5	22.73	22.37	22.63	/	1.37	24.1	23.74	24	30.00	PASS
	3	0	22.09	21.7	21.63	/	1.37	23.46	23.07	23	30.00	PASS
		2	22.04	21.67	21.6	/	1.37	23.41	23.04	22.97	30.00	PASS
		3	22.07	21.55	21.46	/	1.37	23.44	22.92	22.83	30.00	PASS
16QAM	1	0	21.68	21.58	21.58	/	1.37	23.05	22.95	22.95	30.00	PASS
			21.87	21.45	21.69	/	1.37	23.24	22.82	23.06	30.00	PASS
		2	22.18	21.29	22	/	1.37	23.55	22.66	23.37	30.00	PASS
	3	5	21.76	21.16	22.3	/	1.37	23.13	22.53	23.67	30.00	PASS
		0	20.95	20.73	20.45	/	1.37	22.32	22.1	21.82	30.00	PASS
		2	20.96	20.81	20.47	/	1.37	22.33	22.18	21.84	30.00	PASS
	6	3	21.12	20.68	20.6	/	1.37	22.49	22.05	21.97	30.00	PASS
		0	20.84	20.75	20.68	/	1.37	22.21	22.12	22.05	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	23.29	23.07	23.21	-4.33	-2.18	18.96	18.74	18.88	34.77	PASS
		2	23.42	23.22	23.17	-4.33	-2.18	19.09	18.89	18.84	34.77	PASS
		5	23.15	23	23.23	-4.33	-2.18	18.82	18.67	18.9	34.77	PASS
	3	0	23.21	22.97	23.41	-4.33	-2.18	18.88	18.64	19.08	34.77	PASS
		2	23.16	23.19	23.44	-4.33	-2.18	18.83	18.86	19.11	34.77	PASS
		3	23.25	23.12	23.26	-4.33	-2.18	18.92	18.79	18.93	34.77	PASS
	6	0	21.88	22.17	22.5	-4.33	-2.18	17.55	17.84	18.17	34.77	PASS
	16QAM	1	22.09	22.33	22.04	-4.33	-2.18	17.76	18	17.71	34.77	PASS
			22.29	22.42	22.49	-4.33	-2.18	17.96	18.09	18.16	34.77	PASS
			22.11	22.48	22.42	-4.33	-2.18	17.78	18.15	18.09	34.77	PASS
		3	22.17	22.06	22.2	-4.33	-2.18	17.84	17.73	17.87	34.77	PASS
			22.21	22.27	22.24	-4.33	-2.18	17.88	17.94	17.91	34.77	PASS
			22.37	22.31	22.23	-4.33	-2.18	18.04	17.98	17.9	34.77	PASS
		6	21.16	21.3	21.75	-4.33	-2.18	16.83	16.97	17.42	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	23.38	23.26	23.27	-4.33	-2.18	19.05	18.93	18.94	34.77	PASS
		2	23.46	23.27	23.21	-4.33	-2.18	19.13	18.94	18.88	34.77	PASS
		5	23.26	23	23.26	-4.33	-2.18	18.93	18.67	18.93	34.77	PASS
	3	0	22.36	22.02	22.55	-4.33	-2.18	18.03	17.69	18.22	34.77	PASS
		2	22.4	22.28	22.54	-4.33	-2.18	18.07	17.95	18.21	34.77	PASS
		3	22.33	22.2	22.35	-4.33	-2.18	18	17.87	18.02	34.77	PASS
	6	0	21.98	22.19	22.53	-4.33	-2.18	17.65	17.86	18.2	34.77	PASS
	16QAM	1	22.43	22.21	22.14	-4.33	-2.18	18.1	17.88	17.81	34.77	PASS
			22.58	22.16	22.6	-4.33	-2.18	18.25	17.83	18.27	34.77	PASS
			22.29	22.22	22.62	-4.33	-2.18	17.96	17.89	18.29	34.77	PASS
		3	21.3	21.12	21.43	-4.33	-2.18	16.97	16.79	17.1	34.77	PASS
			21.32	21.28	21.35	-4.33	-2.18	16.99	16.95	17.02	34.77	PASS
			21.48	21.36	21.39	-4.33	-2.18	17.15	17.03	17.06	34.77	PASS
		6	21.13	21.29	21.63	-4.33	-2.18	16.8	16.96	17.3	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	23.31	23.07	23.3	-4.33	-2.18	18.98	18.74	18.97	34.77	PASS
		2	23.49	23.16	23.31	-4.33	-2.18	19.16	18.83	18.98	34.77	PASS
		5	23.37	23.06	23.34	-4.33	-2.18	19.04	18.73	19.01	34.77	PASS
	3	0	22.88	22.87	22.67	-4.33	-2.18	18.55	18.54	18.34	34.77	PASS
		2	22.38	22.28	22.5	-4.33	-2.18	18.05	17.95	18.17	34.77	PASS
		3	22.55	22.3	22.24	-4.33	-2.18	18.22	17.97	17.91	34.77	PASS
	6	0	22.09	22.27	22.41	-4.33	-2.18	17.76	17.94	18.08	34.77	PASS
	16QAM	1	22.17	22.37	22.35	-4.33	-2.18	17.84	18.04	18.02	34.77	PASS
			22.46	22.52	22.52	-4.33	-2.18	18.13	18.19	18.19	34.77	PASS
			22.19	22.71	22.62	-4.33	-2.18	17.86	18.38	18.29	34.77	PASS
		3	21.31	21.18	21.36	-4.33	-2.18	16.98	16.85	17.03	34.77	PASS
			21.38	21.39	21.31	-4.33	-2.18	17.05	17.06	16.98	34.77	PASS
			21.61	21.41	21.34	-4.33	-2.18	17.28	17.08	17.01	34.77	PASS
		6	21.38	21.29	21.61	-4.33	-2.18	17.05	16.96	17.28	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	23.38	23.38	23.22	-4.33	-2.18	19.05	19.05	18.89	34.77	PASS
		2	23.43	23.36	23.3	-4.33	-2.18	19.1	19.03	18.97	34.77	PASS
		5	23.36	23.3	23.25	-4.33	-2.18	19.03	18.97	18.92	34.77	PASS
	3	0	22.59	22.28	22.61	-4.33	-2.18	18.26	17.95	18.28	34.77	PASS
		2	22.55	22.34	22.49	-4.33	-2.18	18.22	18.01	18.16	34.77	PASS
		3	22.67	22.36	22.3	-4.33	-2.18	18.34	18.03	17.97	34.77	PASS
	6	0	22.17	22.26	22.53	-4.33	-2.18	17.84	17.93	18.2	34.77	PASS
			22.69	22.36	22.55	-4.33	-2.18	18.36	18.03	18.22	34.77	PASS
16QAM	1	2	22.65	22.17	22.67	-4.33	-2.18	18.32	17.84	18.34	34.77	PASS
		5	22.7	22.38	22.83	-4.33	-2.18	18.37	18.05	18.5	34.77	PASS
		0	21.47	21.31	21.53	-4.33	-2.18	17.14	16.98	17.2	34.77	PASS
	3	2	21.49	21.49	21.36	-4.33	-2.18	17.16	17.16	17.03	34.77	PASS
		3	21.65	21.51	21.44	-4.33	-2.18	17.32	17.18	17.11	34.77	PASS
	6	0	21.4	21.34	21.65	-4.33	-2.18	17.07	17.01	17.32	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	23.5	23.47	23.36	-3.87	-1.72	19.63	19.6	19.49	34.77	PASS
		2	23.49	23.5	23.44	-3.87	-1.72	19.62	19.73	19.87	34.77	PASS
		5	23.27	23.37	23.42	-3.87	-1.72	19.4	19.5	19.95	34.77	PASS
	3	0	22.86	22.54	23.09	-3.87	-1.72	18.99	18.67	19.22	34.77	PASS
		2	22.93	22.76	23	-3.87	-1.72	19.06	18.89	19.13	34.77	PASS
		3	23.17	22.77	22.71	-3.87	-1.72	19.3	18.9	18.84	34.77	PASS
	6	0	22.41	22.7	22.81	-3.87	-1.72	18.54	18.83	18.94	34.77	PASS
		2	22.49	22.73	22.69	-3.87	-1.72	18.62	18.86	18.82	34.77	PASS
		5	22.99	22.88	22.95	-3.87	-1.72	19.12	19.01	19.08	34.77	PASS
16QAM	1	0	21.77	21.53	21.66	-3.87	-1.72	17.9	17.66	17.79	34.77	PASS
		2	21.82	21.82	21.61	-3.87	-1.72	17.95	17.95	17.74	34.77	PASS
		3	22.08	21.9	21.66	-3.87	-1.72	18.21	18.03	17.79	34.77	PASS
	3	0	21.58	21.72	22.07	-3.87	-1.72	17.71	17.85	18.2	34.77	PASS
		2	22.6	22.73	22.63	-3.87	-1.72	18.73	18.86	18.76	34.77	PASS
		5	22.49	22.73	22.69	-3.87	-1.72	18.62	18.86	18.82	34.77	PASS
	6	0	21.77	21.53	21.66	-3.87	-1.72	17.9	17.66	17.79	34.77	PASS
		2	21.82	21.82	21.61	-3.87	-1.72	17.95	17.95	17.74	34.77	PASS
		3	22.08	21.9	21.66	-3.87	-1.72	18.21	18.03	17.79	34.77	PASS

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	23.22	23.43	23.18	-3.87	-1.72	19.35	19.56	19.31	34.77	PASS
		2	23.29	23.36	23.04	-3.87	-1.72	19.42	19.49	19.17	34.77	PASS
		5	23.31	23.39	23.27	-3.87	-1.72	19.44	19.52	19.4	34.77	PASS
	3	0	22.21	22.61	22.49	-3.87	-1.72	18.34	18.74	18.62	34.77	PASS
		2	22.36	22.65	22.38	-3.87	-1.72	18.49	18.78	18.51	34.77	PASS
		3	22.19	22.65	22.15	-3.87	-1.72	18.32	18.78	18.28	34.77	PASS
	6	0	22.27	22.56	22.07	-3.87	-1.72	18.4	18.69	18.2	34.77	PASS
		2	22.38	22.61	22.11	-3.87	-1.72	18.51	18.74	18.24	34.77	PASS
		5	22.17	22.5	22.14	-3.87	-1.72	18.3	18.63	18.27	34.77	PASS
16QAM	1	0	21.72	21.6	21.46	-3.87	-1.72	17.85	17.73	17.59	34.77	PASS
		2	21.65	21.7	21.37	-3.87	-1.72	17.78	17.83	17.5	34.77	PASS
		3	21.28	21.69	21.51	-3.87	-1.72	17.41	17.82	17.64	34.77	PASS
	3	0	21.43	21.58	21.26	-3.87	-1.72	17.56	17.71	17.39	34.77	PASS
		2	22.17	22.5	22.14	-3.87	-1.72	18.3	18.63	18.27	34.77	PASS
		5	22.35	22.65	22.10	-3.87	-1.72	18.48	18.78	18.23	34.77	PASS
	6	0	21.72	21.6	21.46	-3.87	-1.72	17.85	17.73	17.59	34.77	PASS
		2	21.65	21.7	21.37	-3.87	-1.72	17.78	17.83	17.5	34.77	PASS
		3	21.28	21.69	21.51	-3.87	-1.72	17.41	17.82	17.64	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)