

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	21.46	21.34	21.3	/	3.67	25.13	25.01	24.97	33.01	PASS
	1	2	21.3	21.44	21.38	/	3.67	24.97	25.11	25.05	33.01	PASS
	1	5	21.1	21.33	21.2	/	3.67	24.77	25.00	24.87	33.01	PASS
	3	0	21.21	21.32	21.23	/	3.67	24.88	24.99	24.90	33.01	PASS
	3	2	21.39	21.41	21.28	/	3.67	25.06	25.08	24.95	33.01	PASS
	3	3	21.17	21.27	21.19	/	3.67	24.84	24.94	24.86	33.01	PASS
16QAM	6	0	21.21	21.76	21.54	/	3.67	24.88	25.43	25.21	33.01	PASS
	1	0	21.81	21.61	21.44	/	3.67	25.48	25.28	25.11	33.01	PASS
	1	2	21.45	21.65	21.46	/	3.67	25.12	25.32	25.13	33.01	PASS
	1	5	21.3	21.73	21.26	/	3.67	24.97	25.40	24.93	33.01	PASS
	3	0	21.78	21.76	21.32	/	3.67	25.45	25.43	24.99	33.01	PASS
	3	2	21.81	21.72	21.53	/	3.67	25.48	25.39	25.20	33.01	PASS
	3	3	21.72	21.52	21.61	/	3.67	25.39	25.19	25.28	33.01	PASS
	6	0	21.76	21.33	21.18	/	3.67	25.43	25.00	24.85	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	21.41	21.69	21.4	/	3.67	25.08	25.36	25.07	33.01	PASS
	1	2	21.13	21.29	21.57	/	3.67	24.80	24.96	25.24	33.01	PASS
	1	5	21.02	21.15	21.39	/	3.67	24.69	24.82	25.06	33.01	PASS
	3	0	20.12	20.19	20.17	/	3.67	23.79	23.86	23.84	33.01	PASS
	3	2	20.2	20.17	20.16	/	3.67	23.87	23.84	23.83	33.01	PASS
	3	3	20.24	20.15	20.21	/	3.67	23.91	23.82	23.88	33.01	PASS
16QAM	6	0	21.39	21.83	21.4	/	3.67	25.06	25.50	25.07	33.01	PASS
	1	0	21.74	21.82	21.26	/	3.67	25.41	25.49	24.93	33.01	PASS
	1	2	21.42	21.56	21.04	/	3.67	25.09	25.23	24.71	33.01	PASS
	1	5	21.22	21.88	21.36	/	3.67	24.89	25.55	25.03	33.01	PASS
	3	0	21.17	21.17	20.94	/	3.67	24.84	24.84	24.61	33.01	PASS
	3	2	21.15	21.24	20.94	/	3.67	24.82	24.91	24.61	33.01	PASS
	3	3	21.28	21.32	20.96	/	3.67	24.95	24.99	24.63	33.01	PASS
	6	0	21.83	21.61	21.25	/	3.67	25.50	25.28	24.92	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	21.3	21.44	21.32	/	3.67	24.97	25.11	24.99	33.01	PASS
	1	2	21.3	21.4	21.8	/	3.67	24.97	25.07	25.47	33.01	PASS
	1	5	21.13	21.23	21.36	/	3.67	24.80	24.90	25.03	33.01	PASS
	3	0	21.12	21.09	21.12	/	3.67	24.79	24.76	24.79	33.01	PASS
	3	2	21.1	21.18	21.01	/	3.67	24.77	24.85	24.68	33.01	PASS
	3	3	21.18	21.11	21.04	/	3.67	24.85	24.78	24.71	33.01	PASS
16QAM	6	0	21.14	21.55	21.3	/	3.67	24.81	25.22	24.97	33.01	PASS
	1	0	21.77	21.5	21.12	/	3.67	25.44	25.17	24.79	33.01	PASS
	1	2	21.19	21.07	21.06	/	3.67	24.86	24.74	24.73	33.01	PASS
	1	5	21.25	21.4	21.55	/	3.67	24.92	25.07	25.22	33.01	PASS
	3	0	21.32	21.16	20.89	/	3.67	24.99	24.83	24.56	33.01	PASS
	3	2	21.22	21.09	20.87	/	3.67	24.89	24.76	24.54	33.01	PASS
	3	3	21.02	21.04	20.9	/	3.67	24.69	24.71	24.57	33.01	PASS
	6	0	21.59	21.28	21.14	/	3.67	25.26	24.95	24.81	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	21.53	21.68	21.49	/	3.67	25.20	25.35	25.16	33.01	PASS
	1	2	21.72	21.42	21.76	/	3.67	25.39	25.09	25.43	33.01	PASS
	1	5	21.28	21.46	21.33	/	3.67	24.95	25.13	25.00	33.01	PASS
	3	0	21.18	21.27	21.25	/	3.67	24.85	24.94	24.92	33.01	PASS
	3	2	21.39	21.23	21.22	/	3.67	25.06	24.90	24.89	33.01	PASS
	3	3	21.26	21.15	21.17	/	3.67	24.93	24.82	24.84	33.01	PASS
	6	0	21.15	21.69	21.41	/	3.67	24.82	25.36	25.08	33.01	PASS
16QAM	1	0	21.48	21.54	20.99	/	3.67	25.15	25.21	24.66	33.01	PASS
	1	2	21.5	21.15	21.35	/	3.67	25.17	24.82	25.02	33.01	PASS
	1	5	21.11	21.41	21.64	/	3.67	24.78	25.08	25.31	33.01	PASS
	3	0	21.34	21.08	20.89	/	3.67	25.01	24.75	24.56	33.01	PASS
	3	2	21.11	21.04	20.94	/	3.67	24.78	24.71	24.61	33.01	PASS
	3	3	21.44	21.04	20.87	/	3.67	25.11	24.71	24.54	33.01	PASS
	6	0	21.79	21.33	21.05	/	3.67	25.46	25.00	24.72	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	21.55	21.61	21.31	/	3.67	25.22	25.28	24.98	33.01	PASS
	1	2	21.74	21.68	21.76	/	3.67	25.41	25.35	25.43	33.01	PASS
	1	5	21.35	21.4	21.25	/	3.67	25.02	25.07	24.92	33.01	PASS
	3	0	21.29	21.18	21.21	/	3.67	24.96	24.85	24.88	33.01	PASS
	3	2	21.33	21.13	21.16	/	3.67	25.00	24.80	24.83	33.01	PASS
	3	3	21.18	21.19	21.14	/	3.67	24.85	24.86	24.81	33.01	PASS
	6	0	21.34	21.65	21.39	/	3.67	25.01	25.32	25.06	33.01	PASS
16QAM	1	0	21.59	21.28	20.96	/	3.67	25.26	24.95	24.63	33.01	PASS
	1	2	21.21	21.14	21.04	/	3.67	24.88	24.81	24.71	33.01	PASS
	1	5	21.37	21.35	21.72	/	3.67	25.04	25.02	25.39	33.01	PASS
	3	0	21.14	21.15	20.86	/	3.67	24.81	24.82	24.53	33.01	PASS
	3	2	21.12	21.04	20.94	/	3.67	24.79	24.71	24.61	33.01	PASS
	3	3	21.33	21.05	20.92	/	3.67	25.00	24.72	24.59	33.01	PASS
	6	0	21.9	21.35	21.2	/	3.67	25.57	25.02	24.87	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	21.63	21.57	21.43	/	3.67	25.30	25.24	25.10	33.01	PASS
	1	2	21.7	21.56	21.8	/	3.67	25.37	25.23	25.47	33.01	PASS
	1	5	21.43	21.39	21.81	/	3.67	25.10	25.06	25.48	33.01	PASS
	3	0	21.25	21.23	21.11	/	3.67	24.92	24.90	24.78	33.01	PASS
	3	2	21.6	21.2	21.25	/	3.67	25.27	24.87	24.92	33.01	PASS
	3	3	21.39	21.18	21.19	/	3.67	25.06	24.85	24.86	33.01	PASS
	6	0	21.45	21.64	21.29	/	3.67	25.12	25.31	24.96	33.01	PASS
16QAM	1	0	21.7	21.18	21	/	3.67	25.37	24.85	24.67	33.01	PASS
	1	2	21.03	21.38	21.12	/	3.67	24.70	25.05	24.79	33.01	PASS
	1	5	21.7	21.13	21.82	/	3.67	25.37	24.80	25.49	33.01	PASS
	3	0	21.31	20.96	20.91	/	3.67	24.98	24.63	24.58	33.01	PASS
	3	2	21.31	21.08	20.95	/	3.67	24.98	24.75	24.62	33.01	PASS
	3	3	21.4	20.95	20.93	/	3.67	25.07	24.62	24.60	33.01	PASS
	6	0	21.92	21.48	21.11	/	3.67	25.59	25.15	24.78	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	21.82	21.12	21.11	/	1.39	23.21	22.51	22.50	30.00	PASS
	1	2	21.59	20.89	21.13	/	1.39	22.98	22.28	22.52	30.00	PASS
	1	5	21.54	21.06	20.95	/	1.39	22.93	22.45	22.34	30.00	PASS
	3	0	21.57	21.19	21.23	/	1.39	22.96	22.58	22.62	30.00	PASS
	3	2	21.67	21.19	21.41	/	1.39	23.06	22.58	22.80	30.00	PASS
	3	3	21.23	20.94	21.39	/	1.39	22.62	22.33	22.78	30.00	PASS
	6	0	21.6	21.19	20.89	/	1.39	22.99	22.58	22.28	30.00	PASS
16QAM	1	0	21.85	21.2	21	/	1.39	23.24	22.59	22.39	30.00	PASS
	1	2	21.35	21.15	21.06	/	1.39	22.74	22.54	22.45	30.00	PASS
	1	5	21.32	21.23	21.35	/	1.39	22.71	22.62	22.74	30.00	PASS
	3	0	21.13	21.34	20.96	/	1.39	22.52	22.73	22.35	30.00	PASS
	3	2	21.01	21.18	21.06	/	1.39	22.40	22.57	22.45	30.00	PASS
	3	3	21.28	20.98	21.15	/	1.39	22.67	22.37	22.54	30.00	PASS
	6	0	21.2	21	21.1	/	1.39	22.59	22.39	22.49	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	21.37	21.28	20.84	/	1.39	22.76	22.67	22.23	30.00	PASS
	1	2	21.56	21.06	21.12	/	1.39	22.95	22.45	22.51	30.00	PASS
	1	5	21.55	21.18	20.98	/	1.39	22.94	22.57	22.37	30.00	PASS
	3	0	21.55	21.62	21.56	/	1.39	22.94	23.01	22.95	30.00	PASS
	3	2	21.69	21.55	21.33	/	1.39	23.08	22.94	22.72	30.00	PASS
	3	3	21.7	21.36	21.28	/	1.39	23.09	22.75	22.67	30.00	PASS
	6	0	21.65	21.66	20.84	/	1.39	23.04	23.05	22.23	30.00	PASS
16QAM	1	0	21.9	21.62	21.37	/	1.39	23.29	23.01	22.76	30.00	PASS
	1	2	21.7	21.07	21.1	/	1.39	23.09	22.46	22.49	30.00	PASS
	1	5	21.91	21.28	21.69	/	1.39	23.30	22.67	23.08	30.00	PASS
	3	0	21.09	21.36	20.94	/	1.39	22.48	22.75	22.33	30.00	PASS
	3	2	21.04	21.13	21.1	/	1.39	22.43	22.52	22.49	30.00	PASS
	3	3	21.32	21.27	20.89	/	1.39	22.71	22.66	22.28	30.00	PASS
	6	0	21.16	21.42	21.07	/	1.39	22.55	22.81	22.46	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	21.77	21.11	21.14	/	1.39	23.16	22.50	22.53	30.00	PASS
	1	2	21.36	21.04	21.28	/	1.39	22.75	22.43	22.67	30.00	PASS
	1	5	21.52	20.98	21.06	/	1.39	22.91	22.37	22.45	30.00	PASS
	3	0	21.63	21.17	21.21	/	1.39	23.02	22.56	22.60	30.00	PASS
	3	2	21.61	21.17	21.32	/	1.39	23.00	22.56	22.71	30.00	PASS
	3	3	21.61	21.32	21.29	/	1.39	23.00	22.71	22.68	30.00	PASS
	6	0	21.62	21.64	20.95	/	1.39	23.01	23.03	22.34	30.00	PASS
16QAM	1	0	21.88	21.59	21.05	/	1.39	23.27	22.98	22.44	30.00	PASS
	1	2	21.64	21.02	21.04	/	1.39	23.03	22.41	22.43	30.00	PASS
	1	5	21.9	21.64	21.38	/	1.39	23.29	23.03	22.77	30.00	PASS
	3	0	21.12	21.3	21.39	/	1.39	22.51	22.69	22.78	30.00	PASS
	3	2	21.03	21.47	20.98	/	1.39	22.42	22.86	22.37	30.00	PASS
	3	3	21.34	21.07	21.1	/	1.39	22.73	22.46	22.49	30.00	PASS
	6	0	21.21	21.45	21.28	/	1.39	22.60	22.84	22.67	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	21.4	21.11	21.13	/	1.39	22.79	22.50	22.52	30.00	PASS
	1	2	21.27	20.99	21.23	/	1.39	22.66	22.38	22.62	30.00	PASS
	1	5	21.54	21.1	21.04	/	1.39	22.93	22.49	22.43	30.00	PASS
	3	0	21.61	21.17	21.39	/	1.39	23.00	22.56	22.78	30.00	PASS
	3	2	21.63	21.22	21.41	/	1.39	23.02	22.61	22.80	30.00	PASS
	3	3	21.63	21.34	21.35	/	1.39	23.02	22.73	22.74	30.00	PASS
	6	0	21.57	21.21	20.95	/	1.39	22.96	22.60	22.34	30.00	PASS
16QAM	1	0	21.83	21.66	20.97	/	1.39	23.22	23.05	22.36	30.00	PASS
	1	2	21.65	21.28	20.69	/	1.39	23.04	22.67	22.08	30.00	PASS
	1	5	21.77	21.56	21.68	/	1.39	23.16	22.95	23.07	30.00	PASS
	3	0	21.11	21.38	21.39	/	1.39	22.50	22.77	22.78	30.00	PASS
	3	2	21.38	20.99	21.23	/	1.39	22.77	22.38	22.62	30.00	PASS
	3	3	21.33	20.99	21.17	/	1.39	22.72	22.38	22.56	30.00	PASS
	6	0	21.19	21.44	21.17	/	1.39	22.58	22.83	22.56	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	21.36	21.44	21.28	/	1.39	22.75	22.83	22.67	30.00	PASS
	1	2	21.59	21.12	21.29	/	1.39	22.98	22.51	22.68	30.00	PASS
	1	5	21.13	21.09	20.89	/	1.39	22.52	22.48	22.28	30.00	PASS
	3	0	21.59	21.24	21.33	/	1.39	22.98	22.63	22.72	30.00	PASS
	3	2	21.61	21.17	21.36	/	1.39	23.00	22.56	22.75	30.00	PASS
	3	3	21.69	21.28	21.41	/	1.39	23.08	22.67	22.80	30.00	PASS
	6	0	21.65	21.23	21.04	/	1.39	23.04	22.62	22.43	30.00	PASS
16QAM	1	0	21.85	21.6	21.37	/	1.39	23.24	22.99	22.76	30.00	PASS
	1	2	21.92	21.42	21.19	/	1.39	23.31	22.81	22.58	30.00	PASS
	1	5	21.71	21.57	21.69	/	1.39	23.10	22.96	23.08	30.00	PASS
	3	0	21.12	21.38	20.97	/	1.39	22.51	22.77	22.36	30.00	PASS
	3	2	21.22	21.45	21.01	/	1.39	22.61	22.84	22.40	30.00	PASS
	3	3	21.27	20.98	20.98	/	1.39	22.66	22.37	22.37	30.00	PASS
	6	0	21.16	21.03	21.03	/	1.39	22.55	22.42	22.42	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	21.47	20.99	21.26	/	1.39	22.86	22.38	22.65	30.00	PASS
	1	2	21.36	21.14	21.25	/	1.39	22.75	22.53	22.64	30.00	PASS
	1	5	21.15	21.06	20.85	/	1.39	22.54	22.45	22.24	30.00	PASS
	3	0	21.63	21.16	21.34	/	1.39	23.02	22.55	22.73	30.00	PASS
	3	2	21.63	21.13	21.24	/	1.39	23.02	22.52	22.63	30.00	PASS
	3	3	21.66	21.26	21.28	/	1.39	23.05	22.65	22.67	30.00	PASS
	6	0	21.61	21.61	20.88	/	1.39	23.00	23.00	22.27	30.00	PASS
16QAM	1	0	21.9	21.45	21.39	/	1.39	23.29	22.84	22.78	30.00	PASS
	1	2	21.68	21.46	21.48	/	1.39	23.07	22.85	22.87	30.00	PASS
	1	5	21.92	21.59	21.69	/	1.39	23.31	22.98	23.08	30.00	PASS
	3	0	21.1	20.98	21.13	/	1.39	22.49	22.37	22.52	30.00	PASS
	3	2	21	21.19	21.33	/	1.39	22.39	22.58	22.72	30.00	PASS
	3	3	21.28	20.98	21.01	/	1.39	22.67	22.37	22.40	30.00	PASS
	6	0	21.19	21.05	21.19	/	1.39	22.58	22.44	22.58	30.00	PASS

Note:

1) dBd = dBi - 2.15

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

5. Effective (Isotropic) Radiated Power Output Data

5.1 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	21.78	21.39	21.34	-5.13	-2.98	16.65	16.26	16.21	34.77	PASS
	1	2	21.59	21.17	21.51	-5.13	-2.98	16.46	16.04	16.38	34.77	PASS
	1	5	21.54	21.15	21.34	-5.13	-2.98	16.41	16.02	16.21	34.77	PASS
	3	0	21.46	21.44	21.74	-5.13	-2.98	16.33	16.31	16.61	34.77	PASS
	3	2	21.6	21.5	21.69	-5.13	-2.98	16.47	16.37	16.56	34.77	PASS
	3	3	21.53	21.54	21.62	-5.13	-2.98	16.40	16.41	16.49	34.77	PASS
16QAM	6	0	21.4	21.45	21.22	-5.13	-2.98	16.27	16.32	16.09	34.77	PASS
	1	0	21.79	21.76	21.31	-5.13	-2.98	16.66	16.63	16.18	34.77	PASS
	1	2	21.34	21.27	21.45	-5.13	-2.98	16.21	16.14	16.32	34.77	PASS
	1	5	21.4	21.11	21.38	-5.13	-2.98	16.27	15.98	16.25	34.77	PASS
	3	0	21.23	21.47	21.42	-5.13	-2.98	16.10	16.34	16.29	34.77	PASS
	3	2	20.95	21.33	21.53	-5.13	-2.98	15.82	16.20	16.40	34.77	PASS
	3	3	21.12	21.41	21.49	-5.13	-2.98	15.99	16.28	16.36	34.77	PASS
	6	0	21.8	21.22	21.4	-5.13	-2.98	16.67	16.09	16.27	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	21.54	21.48	21.56	-5.13	-2.98	16.41	16.35	16.43	34.77	PASS
	1	2	21.5	20.98	21.43	-5.13	-2.98	16.37	15.85	16.30	34.77	PASS
	1	5	21.4	21.11	21.08	-5.13	-2.98	16.27	15.98	15.95	34.77	PASS
	3	0	21.49	21.49	21.72	-5.13	-2.98	16.36	16.36	16.59	34.77	PASS
	3	2	21.44	21.51	21.83	-5.13	-2.98	16.31	16.38	16.70	34.77	PASS
	3	3	21.54	21.52	21.74	-5.13	-2.98	16.41	16.39	16.61	34.77	PASS
16QAM	6	0	21.48	21.53	21.29	-5.13	-2.98	16.35	16.40	16.16	34.77	PASS
	1	0	21.58	21.43	20.8	-5.13	-2.98	16.45	16.30	15.67	34.77	PASS
	1	2	21.81	20.93	21.19	-5.13	-2.98	16.68	15.80	16.06	34.77	PASS
	1	5	21.76	20.78	21.62	-5.13	-2.98	16.63	15.65	16.49	34.77	PASS
	3	0	20.7	21.07	21.6	-5.13	-2.98	15.57	15.94	16.47	34.77	PASS
	3	2	20.78	20.99	21.72	-5.13	-2.98	15.65	15.86	16.59	34.77	PASS
	3	3	21.25	20.96	21.52	-5.13	-2.98	16.12	15.83	16.39	34.77	PASS
	6	0	21.71	21.28	21.38	-5.13	-2.98	16.58	16.15	16.25	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	21.49	21.4	21.26	-5.13	-2.98	16.36	16.27	16.13	34.77	PASS
	1	2	21.57	21.25	21.56	-5.13	-2.98	16.44	16.12	16.43	34.77	PASS
	1	5	21.07	20.88	21.25	-5.13	-2.98	15.94	15.75	16.12	34.77	PASS
	3	0	21.38	21.47	21.68	-5.13	-2.98	16.25	16.34	16.55	34.77	PASS
	3	2	21.53	21.46	21.77	-5.13	-2.98	16.40	16.33	16.64	34.77	PASS
	3	3	21.6	21.48	21.74	-5.13	-2.98	16.47	16.35	16.61	34.77	PASS
16QAM	6	0	21.57	21.54	21.33	-5.13	-2.98	16.44	16.41	16.20	34.77	PASS
	1	0	21.78	21.41	21.14	-5.13	-2.98	16.65	16.28	16.01	34.77	PASS
	1	2	21.61	20.82	21.68	-5.13	-2.98	16.48	15.69	16.55	34.77	PASS
	1	5	21.72	21.21	21.47	-5.13	-2.98	16.59	16.08	16.34	34.77	PASS
	3	0	20.73	21.03	21.57	-5.13	-2.98	15.60	15.90	16.44	34.77	PASS
	3	2	20.66	21.02	21.46	-5.13	-2.98	15.53	15.89	16.33	34.77	PASS
	3	3	21.3	21.23	21.45	-5.13	-2.98	16.17	16.10	16.32	34.77	PASS
	6	0	21.61	21.35	21.53	-5.13	-2.98	16.48	16.22	16.40	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	21.43	21.61	21.36	-5.13	-2.98	16.30	16.48	16.23	34.77	PASS
	1	2	21.57	21.29	21.6	-5.13	-2.98	16.44	16.16	16.47	34.77	PASS
	1	5	21.39	21.28	21.25	-5.13	-2.98	16.26	16.15	16.12	34.77	PASS
	3	0	21.46	21.55	21.54	-5.13	-2.98	16.33	16.42	16.41	34.77	PASS
	3	2	21.63	21.51	21.78	-5.13	-2.98	16.50	16.38	16.65	34.77	PASS
	3	3	21.6	21.51	21.69	-5.13	-2.98	16.47	16.38	16.56	34.77	PASS
	6	0	21.57	21.5	21.27	-5.13	-2.98	16.44	16.37	16.14	34.77	PASS
16QAM	1	0	21.54	21.09	21.45	-5.13	-2.98	16.41	15.96	16.32	34.77	PASS
	1	2	21.5	21.46	21.39	-5.13	-2.98	16.37	16.33	16.26	34.77	PASS
	1	5	21.88	21.07	21.73	-5.13	-2.98	16.75	15.94	16.60	34.77	PASS
	3	0	20.97	21.45	21.77	-5.13	-2.98	15.84	16.32	16.64	34.77	PASS
	3	2	20.97	21.05	21.51	-5.13	-2.98	15.84	15.92	16.38	34.77	PASS
	3	3	21.3	21.23	21.57	-5.13	-2.98	16.17	16.10	16.44	34.77	PASS
	6	0	21.78	21.32	21.58	-5.13	-2.98	16.65	16.19	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)

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	21.66	21.51	21.39	-3.97	-1.82	17.69	17.54	17.42	34.77	PASS
	1	2	21.82	21.28	21.32	-3.97	-1.82	17.85	17.31	17.35	34.77	PASS
	1	5	21.55	21.18	21.14	-3.97	-1.82	17.58	17.21	17.17	34.77	PASS
	3	0	21.8	21.56	21.71	-3.97	-1.82	17.83	17.59	17.74	34.77	PASS
	3	2	21.86	21.47	21.71	-3.97	-1.82	17.89	17.50	17.74	34.77	PASS
	3	3	21.83	21.55	21.74	-3.97	-1.82	17.86	17.58	17.77	34.77	PASS
16QAM	6	0	21.83	21.55	21.37	-3.97	-1.82	17.86	17.58	17.40	34.77	PASS
	1	0	21.67	21.84	21.91	-3.97	-1.82	17.70	17.87	17.94	34.77	PASS
	1	2	21.86	21.93	21.91	-3.97	-1.82	17.89	17.96	17.94	34.77	PASS
	1	5	21.62	21.37	21.69	-3.97	-1.82	17.65	17.40	17.72	34.77	PASS
	3	0	21.43	21.43	21.47	-3.97	-1.82	17.46	17.46	17.50	34.77	PASS
	3	2	21.33	21.37	21.76	-3.97	-1.82	17.36	17.40	17.79	34.77	PASS
	3	3	21.65	21.26	21.52	-3.97	-1.82	17.68	17.29	17.55	34.77	PASS
	6	0	21.91	21.53	21.78	-3.97	-1.82	17.94	17.56	17.81	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	NA	21.72	NA	-3.97	-1.82	NA	17.75	NA	34.77	PASS
	1	2	NA	20.9	NA	-3.97	-1.82	NA	16.93	NA	34.77	PASS
	1	5	NA	21.47	NA	-3.97	-1.82	NA	17.50	NA	34.77	PASS
	3	0	NA	21.71	NA	-3.97	-1.82	NA	17.74	NA	34.77	PASS
	3	2	NA	21.63	NA	-3.97	-1.82	NA	17.66	NA	34.77	PASS
	3	3	NA	21.6	NA	-3.97	-1.82	NA	17.63	NA	34.77	PASS
16QAM	6	0	NA	21.72	NA	-3.97	-1.82	NA	17.75	NA	34.77	PASS
	1	0	NA	21.68	NA	-3.97	-1.82	NA	17.71	NA	34.77	PASS
	1	2	NA	21.61	NA	-3.97	-1.82	NA	17.64	NA	34.77	PASS
	1	5	NA	21.59	NA	-3.97	-1.82	NA	17.62	NA	34.77	PASS
	3	0	NA	21.6	NA	-3.97	-1.82	NA	17.63	NA	34.77	PASS
	3	2	NA	21.18	NA	-3.97	-1.82	NA	17.21	NA	34.77	PASS
	3	3	NA	21.3	NA	-3.97	-1.82	NA	17.33	NA	34.77	PASS
	6	0	NA	21.58	NA	-3.97	-1.82	NA	17.61	NA	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)