

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	22.2	22.33	22.47	/	2.79	24.99	25.12	25.26	33.01	PASS
		2	22.28	22.39	22.61	/	2.79	25.07	25.18	25.4	33.01	PASS
		5	22.12	22.31	22.57	/	2.79	24.91	25.1	25.36	33.01	PASS
	3	0	22.2	22.33	22.52	/	2.79	24.99	25.12	25.31	33.01	PASS
		2	22.22	22.38	22.64	/	2.79	25.01	25.17	25.43	33.01	PASS
		3	22.18	22.35	22.58	/	2.79	24.97	25.14	25.37	33.01	PASS
	6	0	21.2	21.41	21.6	/	2.79	23.99	24.2	24.39	33.01	PASS
		2	21.12	21.5	21.93	/	2.79	23.91	24.29	24.72	33.01	PASS
		5	21.04	21.49	22.07	/	2.79	23.83	24.28	24.86	33.01	PASS
16QAM	1	0	21.01	21.44	21.7	/	2.79	23.8	24.23	24.49	33.01	PASS
		2	21.07	21.5	21.86	/	2.79	23.86	24.29	24.65	33.01	PASS
		3	21.04	21.41	21.76	/	2.79	23.83	24.2	24.55	33.01	PASS
	3	0	20.19	20.5	20.64	/	2.79	22.98	23.29	23.43	33.01	PASS
		2	21.28	21.56	22.08	/	2.79	24.07	24.35	24.87	33.01	PASS
		5	21.04	21.49	22.07	/	2.79	23.83	24.28	24.86	33.01	PASS
	6	0	21.01	21.44	21.7	/	2.79	23.8	24.23	24.49	33.01	PASS
		2	21.07	21.5	21.86	/	2.79	23.86	24.29	24.65	33.01	PASS
		3	21.04	21.41	21.76	/	2.79	23.83	24.2	24.55	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	22.36	22.46	22.54	/	2.79	25.15	25.25	25.33	33.01	PASS
		2	22.34	22.56	22.5	/	2.79	25.13	25.35	25.29	33.01	PASS
		5	22.28	22.36	22.5	/	2.79	25.07	25.15	25.29	33.01	PASS
	3	0	21.19	21.35	21.56	/	2.79	23.98	24.14	24.35	33.01	PASS
		2	21.12	21.43	21.66	/	2.79	23.91	24.22	24.45	33.01	PASS
		3	21.11	21.32	21.6	/	2.79	23.9	24.11	24.39	33.01	PASS
	6	0	21.15	21.4	21.62	/	2.79	23.94	24.19	24.41	33.01	PASS
		2	21.49	21.5	21.54	/	2.79	24.28	24.29	24.33	33.01	PASS
		5	21.48	21.37	21.49	/	2.79	24.27	24.16	24.28	33.01	PASS
16QAM	1	0	20.27	20.4	20.53	/	2.79	23.06	23.19	23.32	33.01	PASS
		2	20.24	20.41	20.61	/	2.79	23.03	23.2	23.4	33.01	PASS
		3	20.2	20.35	20.52	/	2.79	22.99	23.14	23.31	33.01	PASS
	3	0	20.09	20.48	20.53	/	2.79	22.88	23.27	23.32	33.01	PASS
		2	21.48	21.37	21.49	/	2.79	24.27	24.16	24.28	33.01	PASS
		5	21.48	21.37	21.49	/	2.79	24.27	24.16	24.28	33.01	PASS
	6	0	20.27	20.4	20.53	/	2.79	23.06	23.19	23.32	33.01	PASS
		2	20.24	20.41	20.61	/	2.79	23.03	23.2	23.4	33.01	PASS
		3	20.2	20.35	20.52	/	2.79	22.99	23.14	23.31	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	22.33	22.66	22.81	/	2.79	25.12	25.45	25.6	33.01	PASS
		2	22.31	22.46	22.67	/	2.79	25.1	25.25	25.46	33.01	PASS
		5	22.29	22.34	22.65	/	2.79	25.08	25.13	25.44	33.01	PASS
	3	0	21.15	21.6	21.72	/	2.79	23.94	24.39	24.51	33.01	PASS
		2	21.22	21.41	21.7	/	2.79	24.01	24.2	24.49	33.01	PASS
		3	21.18	21.33	21.71	/	2.79	23.97	24.12	24.5	33.01	PASS
	6	0	21.15	21.5	21.69	/	2.79	23.94	24.29	24.48	33.01	PASS
		2	21.38	21.94	21.76	/	2.79	24.17	24.73	24.55	33.01	PASS
		5	21.23	21.7	21.7	/	2.79	24.02	24.49	24.49	33.01	PASS
16QAM	1	0	20.21	20.61	20.69	/	2.79	23	23.4	23.48	33.01	PASS
		2	20.26	20.43	20.7	/	2.79	23.05	23.22	23.49	33.01	PASS
		3	20.17	20.35	20.75	/	2.79	22.96	23.14	23.54	33.01	PASS
	3	0	20.16	20.46	20.72	/	2.79	22.95	23.25	23.51	33.01	PASS
		2	21.29	21.8	21.83	/	2.79	24.08	24.59	24.62	33.01	PASS
		5	21.23	21.7	21.7	/	2.79	24.02	24.49	24.49	33.01	PASS
	6	0	20.21	20.61	20.69	/	2.79	23	23.4	23.48	33.01	PASS
		2	20.26	20.43	20.7	/	2.79	23.05	23.22	23.49	33.01	PASS
		3	20.17	20.35	20.75	/	2.79	22.96	23.14	23.54	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	22.61	22.8	22.71	/	2.79	25.4	25.59	25.5	33.01	PASS
		2	22.48	22.47	22.57	/	2.79	25.27	25.26	25.36	33.01	PASS
		5	22.56	22.42	22.45	/	2.79	25.35	25.21	25.24	33.01	PASS
	3	0	21.23	21.43	21.75	/	2.79	24.02	24.22	24.54	33.01	PASS
		2	21.3	21.39	21.71	/	2.79	24.09	24.18	24.5	33.01	PASS
		3	21.35	21.36	21.72	/	2.79	24.14	24.15	24.51	33.01	PASS
16QAM	6	0	21.36	21.5	21.71	/	2.79	24.15	24.29	24.5	33.01	PASS
			21.73	21.83	21.97	/	2.79	24.52	24.62	24.76	33.01	PASS
		2	21.56	21.46	21.85	/	2.79	24.35	24.25	24.64	33.01	PASS
	1	5	21.86	21.38	21.78	/	2.79	24.65	24.17	24.57	33.01	PASS
		0	20.19	20.55	20.79	/	2.79	22.98	23.34	23.58	33.01	PASS
			20.34	20.48	20.7	/	2.79	23.13	23.27	23.49	33.01	PASS
	3	2	20.31	20.46	20.75	/	2.79	23.1	23.25	23.54	33.01	PASS
		0	20.31	20.52	20.77	/	2.79	23.1	23.31	23.56	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	22.49	22.78	22.63	/	2.79	25.28	25.57	25.42	33.01	PASS
		2	22.24	22.35	22.6	/	2.79	25.03	25.14	25.39	33.01	PASS
		5	22.28	22.49	22.64	/	2.79	25.07	25.28	25.43	33.01	PASS
	3	0	21.19	21.34	21.45	/	2.79	23.98	24.13	24.24	33.01	PASS
		2	21.19	21.37	21.5	/	2.79	23.98	24.16	24.29	33.01	PASS
		3	21.31	21.26	21.47	/	2.79	24.1	24.05	24.26	33.01	PASS
16QAM	6	0	21.25	21.32	21.5	/	2.79	24.04	24.11	24.29	33.01	PASS
			21.56	21.8	21.62	/	2.79	24.35	24.59	24.41	33.01	PASS
		2	21.25	21.38	21.67	/	2.79	24.04	24.17	24.46	33.01	PASS
	1	5	21.31	21.48	21.61	/	2.79	24.1	24.27	24.4	33.01	PASS
		0	20.31	20.43	20.42	/	2.79	23.1	23.22	23.21	33.01	PASS
			20.27	20.38	20.45	/	2.79	23.06	23.17	23.24	33.01	PASS
	3	2	20.29	20.34	20.44	/	2.79	23.08	23.13	23.23	33.01	PASS
		0	20.29	20.42	20.56	/	2.79	23.08	23.21	23.35	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	22.29	22.82	22.36	/	2.79	25.08	25.61	25.15	33.01	PASS
		2	22.25	22.49	22.49	/	2.79	25.04	25.28	25.28	33.01	PASS
		5	21.97	22.42	22.49	/	2.79	24.76	25.21	25.28	33.01	PASS
	3	0	21.23	21.41	21.35	/	2.79	24.02	24.2	24.14	33.01	PASS
		2	21.26	21.35	21.44	/	2.79	24.05	24.14	24.23	33.01	PASS
		3	21.28	21.21	21.54	/	2.79	24.07	24	24.33	33.01	PASS
16QAM	6	0	21.23	21.38	21.54	/	2.79	24.02	24.17	24.33	33.01	PASS
			21.39	21.49	21.8	/	2.79	24.18	24.28	24.59	33.01	PASS
		2	21.32	21.04	21.64	/	2.79	24.11	23.83	24.43	33.01	PASS
	1	5	21.04	21.13	21.9	/	2.79	23.83	23.92	24.69	33.01	PASS
		0	20.19	20.45	20.39	/	2.79	22.98	23.24	23.18	33.01	PASS
			20.26	20.35	20.47	/	2.79	23.05	23.14	23.26	33.01	PASS
	3	2	20.19	20.17	20.52	/	2.79	22.98	22.96	23.31	33.01	PASS
		0	20.24	20.42	20.46	/	2.79	23.03	23.21	23.25	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	22.97	22.6	22.79	/	2.79	25.76	25.39	25.58	30.00	PASS
		2	23.06	22.65	22.85	/	2.79	25.85	25.44	25.64	30.00	PASS
		5	23.06	22.53	22.76	/	2.79	25.85	25.32	25.55	30.00	PASS
	3	0	23.07	22.52	22.75	/	2.79	25.86	25.31	25.54	30.00	PASS
		2	23.04	22.53	22.82	/	2.79	25.83	25.32	25.61	30.00	PASS
		3	23.02	22.48	22.79	/	2.79	25.81	25.27	25.58	30.00	PASS
	6	0	21.99	21.54	21.77	/	2.79	24.78	24.33	24.56	30.00	PASS
		2	22.27	21.59	21.85	/	2.79	25.06	24.38	24.64	30.00	PASS
		5	22.38	21.67	22	/	2.79	25.17	24.46	24.79	30.00	PASS
16QAM	1	0	22.05	21.5	21.79	/	2.79	24.84	24.29	24.58	30.00	PASS
		2	22.04	21.53	21.92	/	2.79	24.83	24.32	24.71	30.00	PASS
		3	22.01	21.46	21.82	/	2.79	24.8	24.25	24.61	30.00	PASS
	3	0	21.03	20.57	20.89	/	2.79	23.82	23.36	23.68	30.00	PASS
		2	22.38	21.67	22	/	2.79	25.17	24.46	24.79	30.00	PASS
		5	22.3	21.51	21.89	/	2.79	25.09	24.3	24.68	30.00	PASS
	6	0	22.05	21.5	21.79	/	2.79	24.84	24.29	24.58	30.00	PASS
		2	22.04	21.53	21.92	/	2.79	24.83	24.32	24.71	30.00	PASS
		3	22.01	21.46	21.82	/	2.79	24.8	24.25	24.61	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	23.06	22.62	22.87	/	2.79	25.85	25.41	25.66	30.00	PASS
		2	23.08	22.55	22.82	/	2.79	25.87	25.34	25.61	30.00	PASS
		5	23.05	22.52	22.79	/	2.79	25.84	25.31	25.58	30.00	PASS
	3	0	22.08	21.61	21.78	/	2.79	24.87	24.4	24.57	30.00	PASS
		2	22.01	21.57	21.9	/	2.79	24.8	24.36	24.69	30.00	PASS
		3	22.09	21.5	21.91	/	2.79	24.88	24.29	24.7	30.00	PASS
	6	0	21.97	21.56	21.76	/	2.79	24.76	24.35	24.55	30.00	PASS
		2	22.29	21.58	21.86	/	2.79	25.08	24.37	24.65	30.00	PASS
		5	22.46	21.73	21.85	/	2.79	25.25	24.52	24.64	30.00	PASS
16QAM	1	0	21.11	20.66	20.86	/	2.79	23.9	23.45	23.65	30.00	PASS
		2	21.1	20.6	20.93	/	2.79	23.89	23.39	23.72	30.00	PASS
		3	21.07	20.56	20.85	/	2.79	23.86	23.35	23.64	30.00	PASS
	3	0	20.95	20.67	20.76	/	2.79	23.74	23.46	23.55	30.00	PASS
		2	22.32	21.57	21.81	/	2.79	25.11	24.36	24.6	30.00	PASS
		5	22.32	21.57	21.81	/	2.79	25.11	24.36	24.6	30.00	PASS
	6	0	21.11	20.66	20.86	/	2.79	23.9	23.45	23.65	30.00	PASS
		2	21.1	20.6	20.93	/	2.79	23.89	23.39	23.72	30.00	PASS
		3	21.07	20.56	20.85	/	2.79	23.86	23.35	23.64	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	23.05	22.73	22.86	/	2.79	25.84	25.52	25.65	30.00	PASS
		2	23.03	22.81	22.88	/	2.79	25.82	25.6	25.67	30.00	PASS
		5	22.98	22.55	22.83	/	2.79	25.77	25.34	25.62	30.00	PASS
	3	0	22.02	21.61	21.94	/	2.79	24.81	24.4	24.73	30.00	PASS
		2	22.03	21.67	21.83	/	2.79	24.82	24.46	24.62	30.00	PASS
		3	22.11	21.55	21.79	/	2.79	24.9	24.34	24.58	30.00	PASS
	6	0	22	21.67	21.85	/	2.79	24.79	24.46	24.64	30.00	PASS
		2	22.2	22.09	21.96	/	2.79	24.99	24.88	24.75	30.00	PASS
		5	22.14	22.06	21.93	/	2.79	24.93	24.85	24.72	30.00	PASS
16QAM	1	0	21.08	20.64	20.96	/	2.79	23.87	23.43	23.75	30.00	PASS
		2	21.04	20.6	20.84	/	2.79	23.83	23.39	23.63	30.00	PASS
		3	21.12	20.59	20.89	/	2.79	23.91	23.38	23.68	30.00	PASS
	3	0	21.1	20.64	20.92	/	2.79	23.89	23.43	23.71	30.00	PASS
		2	22.14	22.06	21.93	/	2.79	24.93	24.85	24.72	30.00	PASS
		5	22.02	21.88	22.02	/	2.79	24.81	24.67	24.81	30.00	PASS
	6	0	21.08	20.64	20.96	/	2.79	23.87	23.43	23.75	30.00	PASS
		2	21.04	20.6	20.84	/	2.79	23.83	23.39	23.63	30.00	PASS
		3	21.12	20.59	20.89	/	2.79	23.91	23.38	23.68	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	23.24	22.87	22.96	/	2.79	26.03	25.66	25.75	30.00	PASS
		2	23.08	23.24	22.7	/	2.79	25.87	26.03	25.49	30.00	PASS
		5	22.91	22.72	23.03	/	2.79	25.7	25.51	25.82	30.00	PASS
	3	0	22.14	21.64	21.74	/	2.79	24.93	24.43	24.53	30.00	PASS
		2	22.06	21.63	21.78	/	2.79	24.85	24.42	24.57	30.00	PASS
		3	22.15	21.67	21.86	/	2.79	24.94	24.46	24.65	30.00	PASS
16QAM	1	0	22.13	21.58	21.82	/	2.79	24.92	24.37	24.61	30.00	PASS
			22.50	21.82	22.2	/	2.79	25.29	24.61	24.99	30.00	PASS
		2	22.31	21.71	21.89	/	2.79	25.1	24.5	24.68	30.00	PASS
	3	5	22.26	21.88	22.13	/	2.79	25.05	24.67	24.92	30.00	PASS
		0	21.06	20.7	20.84	/	2.79	23.85	23.49	23.63	30.00	PASS
		2	21.09	20.67	20.85	/	2.79	23.88	23.46	23.64	30.00	PASS
	6	3	21.2	20.68	20.97	/	2.79	23.99	23.47	23.76	30.00	PASS
		0	21.06	20.68	20.88	/	2.79	23.85	23.47	23.67	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	22.82	22.67	22.67	/	2.79	25.61	25.46	25.46	30.00	PASS
		2	22.77	22.55	22.53	/	2.79	25.56	25.34	25.32	30.00	PASS
		5	22.44	22.25	22.63	/	2.79	25.23	25.04	25.42	30.00	PASS
	3	0	21.82	21.58	21.46	/	2.79	24.61	24.37	24.25	30.00	PASS
		2	21.87	21.47	21.62	/	2.79	24.66	24.26	24.41	30.00	PASS
		3	21.81	21.37	21.52	/	2.79	24.6	24.16	24.31	30.00	PASS
16QAM	1	6	21.72	21.43	21.4	/	2.79	24.51	24.22	24.19	30.00	PASS
		0	21.89	21.72	21.86	/	2.79	24.68	24.51	24.65	30.00	PASS
		2	21.83	21.64	21.65	/	2.79	24.62	24.43	24.44	30.00	PASS
	3	5	21.57	21.33	21.75	/	2.79	24.36	24.12	24.54	30.00	PASS
		0	21	20.69	20.46	/	2.79	23.79	23.48	23.25	30.00	PASS
		2	20.89	20.56	20.58	/	2.79	23.68	23.35	23.37	30.00	PASS
	6	3	20.7	20.38	20.49	/	2.79	23.49	23.17	23.28	30.00	PASS
		0	20.74	20.52	20.53	/	2.79	23.53	23.31	23.32	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	22.52	22.58	22.33	/	2.79	25.31	25.37	25.12	30.00	PASS
		2	22.72	22.64	22.56	/	2.79	25.51	25.43	25.35	30.00	PASS
		5	22.46	22.35	22.49	/	2.79	25.25	25.14	25.28	30.00	PASS
	3	0	21.79	21.63	21.46	/	2.79	24.58	24.42	24.25	30.00	PASS
		2	21.77	21.45	21.49	/	2.79	24.56	24.24	24.28	30.00	PASS
		3	21.68	21.32	21.51	/	2.79	24.47	24.11	24.3	30.00	PASS
16QAM	1	6	21.73	21.4	21.5	/	2.79	24.52	24.19	24.29	30.00	PASS
		0	21.8	21.27	21.66	/	2.79	24.59	24.06	24.45	30.00	PASS
		2	21.91	21.21	21.91	/	2.79	24.7	24	24.7	30.00	PASS
	3	5	21.67	20.92	22.01	/	2.79	24.46	23.71	24.8	30.00	PASS
		0	20.76	20.62	20.44	/	2.79	23.55	23.41	23.23	30.00	PASS
		2	20.7	20.5	20.55	/	2.79	23.49	23.29	23.34	30.00	PASS
	6	3	20.6	20.32	20.58	/	2.79	23.39	23.11	23.37	30.00	PASS
		0	20.69	20.51	20.45	/	2.79	23.48	23.3	23.24	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	22.93	22.87	23.06	-5.32	-3.17	17.61	17.55	17.74	34.77	PASS
		2	22.91	23.03	23.49	-5.32	-3.17	17.59	17.71	18.17	34.77	PASS
		5	22.88	22.98	23.33	-5.32	-3.17	17.56	17.66	18.01	34.77	PASS
	3	0	22.91	22.9	23.24	-5.32	-3.17	17.59	17.58	17.92	34.77	PASS
		2	22.89	22.97	23.33	-5.32	-3.17	17.57	17.65	18.01	34.77	PASS
		3	22.86	22.89	23.23	-5.32	-3.17	17.54	17.57	17.91	34.77	PASS
	6	0	21.93	21.99	22.4	-5.32	-3.17	16.61	16.67	17.08	34.77	PASS
		2	22.02	22.15	22.01	-5.32	-3.17	16.7	16.83	16.69	34.77	PASS
		5	22.02	22.24	22.29	-5.32	-3.17	16.7	16.92	16.97	34.77	PASS
16QAM	1	0	21.98	21.95	22.19	-5.32	-3.17	16.66	16.63	16.87	34.77	PASS
		2	21.95	21.96	22.32	-5.32	-3.17	16.63	16.64	17	34.77	PASS
		3	21.91	21.95	22.21	-5.32	-3.17	16.59	16.63	16.89	34.77	PASS
	3	0	20.99	21.06	21.45	-5.32	-3.17	15.67	15.74	16.13	34.77	PASS
		2	22.02	22.34	22.42	-5.32	-3.17	16.7	17.02	17.1	34.77	PASS
		5	22.02	22.24	22.29	-5.32	-3.17	16.7	16.92	16.97	34.77	PASS
	6	0	21.98	21.95	22.19	-5.32	-3.17	16.66	16.63	16.87	34.77	PASS
		2	21.95	21.96	22.32	-5.32	-3.17	16.63	16.64	17	34.77	PASS
		3	21.91	21.95	22.21	-5.32	-3.17	16.59	16.63	16.89	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	23.02	22.86	23.12	-5.32	-3.17	17.7	17.54	17.8	34.77	PASS
		2	23.05	23.08	23.43	-5.32	-3.17	17.73	17.76	18.11	34.77	PASS
		5	22.99	22.98	23.31	-5.32	-3.17	17.67	17.66	17.99	34.77	PASS
	3	0	22.04	21.95	22.38	-5.32	-3.17	16.72	16.63	17.06	34.77	PASS
		2	21.97	22.03	22.43	-5.32	-3.17	16.65	16.71	17.11	34.77	PASS
		3	21.94	21.97	22.33	-5.32	-3.17	16.62	16.65	17.01	34.77	PASS
	6	0	21.99	22.01	22.45	-5.32	-3.17	16.67	16.69	17.13	34.77	PASS
		2	22.36	21.87	22.11	-5.32	-3.17	17.04	16.55	16.79	34.77	PASS
		5	22.31	22.08	22.49	-5.32	-3.17	16.99	16.76	17.17	34.77	PASS
16QAM	1	0	22.2	21.98	22.33	-5.32	-3.17	16.88	16.66	17.01	34.77	PASS
		2	21.05	21.01	21.42	-5.32	-3.17	15.73	15.69	16.1	34.77	PASS
		3	21.06	20.97	21.43	-5.32	-3.17	15.74	15.65	16.11	34.77	PASS
	3	0	20.96	21	21.36	-5.32	-3.17	15.64	15.68	16.04	34.77	PASS
		2	20.96	21	21.36	-5.32	-3.17	15.64	15.68	16.04	34.77	PASS
		3	20.96	21	21.36	-5.32	-3.17	15.64	15.68	16.04	34.77	PASS
	6	0	20.98	21.05	21.35	-5.32	-3.17	15.66	15.73	16.03	34.77	PASS
		2	22.31	22.08	22.49	-5.32	-3.17	16.99	16.76	17.17	34.77	PASS
		5	22.2	21.98	22.33	-5.32	-3.17	16.88	16.66	17.01	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	23.02	22.87	23.15	-5.32	-3.17	17.7	17.55	17.83	34.77	PASS
		2	23.08	22.97	23.25	-5.32	-3.17	17.76	17.65	17.93	34.77	PASS
		5	23.1	23.04	23.2	-5.32	-3.17	17.78	17.72	17.88	34.77	PASS
	3	0	22.07	22.09	22.32	-5.32	-3.17	16.75	16.77	17	34.77	PASS
		2	22.11	22.06	22.39	-5.32	-3.17	16.79	16.74	17.07	34.77	PASS
		3	22.16	22.07	22.29	-5.32	-3.17	16.84	16.75	16.97	34.77	PASS
	6	0	22.14	22.09	22.33	-5.32	-3.17	16.82	16.77	17.01	34.77	PASS
		2	22.1	22.17	22.25	-5.32	-3.17	16.78	16.85	16.93	34.77	PASS
		5	22.19	22.44	22.43	-5.32	-3.17	16.87	17.12	17.11	34.77	PASS
16QAM	1	0	21.12	21.07	21.35	-5.32	-3.17	15.8	15.75	16.03	34.77	PASS
		2	21.12	21.04	21.39	-5.32	-3.17	15.8	15.72	16.07	34.77	PASS
		3	21.17	21.05	21.32	-5.32	-3.17	15.85	15.73	16	34.77	PASS
	3	0	21.23	21.05	21.38	-5.32	-3.17	15.91	15.73	16.06	34.77	PASS
		2	22.19	22.44	22.43	-5.32	-3.17	16.87	17.12	17.11	34.77	PASS
		5	22.1	22.41	22.33	-5.32	-3.17	16.78	17.09	17.01	34.77	PASS
	6	0	21.12	21.07	21.35	-5.32	-3.17	15.8	15.75	16.03	34.77	PASS
		2	21.12	21.04	21.39	-5.32	-3.17	15.8	15.72	16.07	34.77	PASS
		3	21.17	21.05	21.32	-5.32	-3.17	15.85	15.73	16	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	23.34	23.18	23.42	-5.32	-3.17	18.02	17.86	18.1	34.77	PASS
		2	23.11	23.17	23.24	-5.32	-3.17	17.79	17.85	17.92	34.77	PASS
		5	23.35	23.23	23.35	-5.32	-3.17	18.03	17.91	18.03	34.77	PASS
	3	0	22.29	22.18	22.44	-5.32	-3.17	16.97	16.86	17.12	34.77	PASS
		2	22.28	22.12	22.38	-5.32	-3.17	16.96	16.8	17.06	34.77	PASS
		3	22.28	22.13	22.35	-5.32	-3.17	16.96	16.81	17.03	34.77	PASS
	6	0	22.22	22.08	22.45	-5.32	-3.17	16.9	16.76	17.13	34.77	PASS
			22.62	22.18	22.52	-5.32	-3.17	17.3	16.86	17.2	34.77	PASS
			22.38	22.09	22.58	-5.32	-3.17	17.06	16.77	17.26	34.77	PASS
16QAM	1	5	22.61	22.14	22.49	-5.32	-3.17	17.29	16.82	17.17	34.77	PASS
		0	21.28	21.2	21.52	-5.32	-3.17	15.96	15.88	16.2	34.77	PASS
		2	21.23	21.18	21.44	-5.32	-3.17	15.91	15.86	16.12	34.77	PASS
	3	3	21.21	21.15	21.42	-5.32	-3.17	15.89	15.83	16.1	34.77	PASS
		0	21.25	21.1	21.42	-5.32	-3.17	15.93	15.78	16.1	34.77	PASS
	6	0	21.25	21.1	21.42	-5.32	-3.17	15.93	15.78	16.1	34.77	PASS
			21.25	21.1	21.42	-5.32	-3.17	15.93	15.78	16.1	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	23.7	23.39	23.69	-5.32	-3.17	18.38	18.07	18.37	34.77	PASS
		2	23.76	23.49	23.79	-5.32	-3.17	18.44	18.17	18.47	34.77	PASS
		5	23.78	23.56	23.74	-5.32	-3.17	18.46	18.24	18.42	34.77	PASS
	3	0	22.75	22.61	22.86	-5.32	-3.17	17.43	17.29	17.54	34.77	PASS
		2	22.79	22.58	22.93	-5.32	-3.17	17.47	17.26	17.61	34.77	PASS
		3	22.84	22.59	22.83	-5.32	-3.17	17.52	17.27	17.51	34.77	PASS
	6	0	22.82	22.61	22.87	-5.32	-3.17	17.5	17.29	17.55	34.77	PASS
		2	22.78	22.69	22.79	-5.32	-3.17	17.46	17.37	17.47	34.77	PASS
		5	22.87	22.96	22.97	-5.32	-3.17	17.55	17.64	17.65	34.77	PASS
16QAM	1	0	21.8	21.59	21.89	-5.32	-3.17	16.48	16.27	16.57	34.77	PASS
		2	21.8	21.56	21.93	-5.32	-3.17	16.48	16.24	16.61	34.77	PASS
		3	21.85	21.57	21.86	-5.32	-3.17	16.53	16.25	16.54	34.77	PASS
	3	0	21.91	21.57	21.92	-5.32	-3.17	16.59	16.25	16.6	34.77	PASS
		2	22.87	22.96	22.97	-5.32	-3.17	17.55	17.64	17.65	34.77	PASS
		5	22.78	22.93	22.87	-5.32	-3.17	17.46	17.61	17.55	34.77	PASS
	6	0	21.8	21.59	21.89	-5.32	-3.17	16.48	16.27	16.57	34.77	PASS
		2	21.8	21.56	21.93	-5.32	-3.17	16.48	16.24	16.61	34.77	PASS
		3	21.85	21.57	21.86	-5.32	-3.17	16.53	16.25	16.54	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	/	23.7	/	-5.32	-3.17	/	18.38	/	34.77	PASS
		2	/	23.69	/	-5.32	-3.17	/	18.37	/	34.77	PASS
		5	/	23.75	/	-5.32	-3.17	/	18.43	/	34.77	PASS
	3	0	/	22.7	/	-5.32	-3.17	/	17.38	/	34.77	PASS
		2	/	22.64	/	-5.32	-3.17	/	17.32	/	34.77	PASS
		3	/	22.65	/	-5.32	-3.17	/	17.33	/	34.77	PASS
	6	0	/	22.6	/	-5.32	-3.17	/	17.28	/	34.77	PASS
		2	/	22.7	/	-5.32	-3.17	/	17.38	/	34.77	PASS
		5	/	22.61	/	-5.32	-3.17	/	17.29	/	34.77	PASS
16QAM	1	0	/	21.72	/	-5.32	-3.17	/	16.4	/	34.77	PASS
		2	/	21.7	/	-5.32	-3.17	/	16.38	/	34.77	PASS
		3	/	21.67	/	-5.32	-3.17	/	16.35	/	34.77	PASS
	3	0	/	21.62	/	-5.32	-3.17	/	16.3	/	34.77	PASS
		2	/	22.61	/	-5.32	-3.17	/	17.29	/	34.77	PASS
		5	/	22.66	/	-5.32	-3.17	/	17.34	/	34.77	PASS
	6	0	/	21.72	/	-5.32	-3.17	/	16.4	/	34.77	PASS
		2	/	21.7	/	-5.32	-3.17	/	16.38	/	34.77	PASS
		3	/	21.67	/	-5.32	-3.17	/	16.35	/	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)

5. Effective (Isotropic) Radiated Power Output Data

5.1 Test Result

Test Band: LTE CatM1 B25 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	22.54	22.54	22.84	/	2.79	25.33	25.33	25.63	33.01	PASS
		2	22.62	22.6	22.98	/	2.79	25.41	25.39	25.77	33.01	PASS
		5	22.46	22.52	22.94	/	2.79	25.25	25.31	25.73	33.01	PASS
	3	0	22.54	22.54	22.89	/	2.79	25.33	25.33	25.68	33.01	PASS
		2	22.56	22.59	23.01	/	2.79	25.35	25.38	25.8	33.01	PASS
		3	22.52	22.56	22.95	/	2.79	25.31	25.35	25.74	33.01	PASS
	6	0	21.54	21.62	21.97	/	2.79	24.33	24.41	24.76	33.01	PASS
		0	21.46	21.71	22.3	/	2.79	24.25	24.5	25.09	33.01	PASS
		0	21.62	21.77	22.45	/	2.79	24.41	24.56	25.24	33.01	PASS
16QAM	1	2	21.38	21.7	22.44	/	2.79	24.17	24.49	25.23	33.01	PASS
		5	21.35	21.65	22.07	/	2.79	24.14	24.44	24.86	33.01	PASS
		0	21.41	21.71	22.23	/	2.79	24.2	24.5	25.02	33.01	PASS
	3	2	21.38	21.62	22.13	/	2.79	24.17	24.41	24.92	33.01	PASS
		3	21.38	21.62	22.13	/	2.79	24.17	24.41	24.92	33.01	PASS
		3	21.38	21.62	22.13	/	2.79	24.17	24.41	24.92	33.01	PASS
	6	0	20.53	20.71	21.01	/	2.79	23.32	23.5	23.8	33.01	PASS
		0	20.53	20.71	21.01	/	2.79	23.32	23.5	23.8	33.01	PASS
		0	20.53	20.71	21.01	/	2.79	23.32	23.5	23.8	33.01	PASS

Test Band: LTE CatM1 B25 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	22.7	22.67	22.91	/	2.79	25.49	25.46	25.7	33.01	PASS
		2	22.68	22.77	22.87	/	2.79	25.47	25.56	25.66	33.01	PASS
		5	22.62	22.57	22.87	/	2.79	25.41	25.36	25.66	33.01	PASS
	3	0	21.53	21.56	21.93	/	2.79	24.32	24.35	24.72	33.01	PASS
		2	21.46	21.64	22.03	/	2.79	24.25	24.43	24.82	33.01	PASS
		3	21.45	21.53	21.97	/	2.79	24.24	24.32	24.76	33.01	PASS
	6	0	21.49	21.61	21.99	/	2.79	24.28	24.4	24.78	33.01	PASS
		0	21.83	21.71	21.91	/	2.79	24.62	24.5	24.7	33.01	PASS
		2	21.82	21.69	21.97	/	2.79	24.61	24.48	24.76	33.01	PASS
16QAM	1	5	21.82	21.58	21.86	/	2.79	24.61	24.37	24.65	33.01	PASS
		0	20.61	20.61	20.9	/	2.79	23.4	23.4	23.69	33.01	PASS
		2	20.58	20.62	20.98	/	2.79	23.37	23.41	23.77	33.01	PASS
	3	3	20.54	20.56	20.89	/	2.79	23.33	23.35	23.68	33.01	PASS
		3	20.54	20.56	20.89	/	2.79	23.33	23.35	23.68	33.01	PASS
		3	20.54	20.56	20.89	/	2.79	23.33	23.35	23.68	33.01	PASS
	6	0	20.43	20.69	20.9	/	2.79	23.22	23.48	23.69	33.01	PASS
		0	20.43	20.69	20.9	/	2.79	23.22	23.48	23.69	33.01	PASS
		0	20.43	20.69	20.9	/	2.79	23.22	23.48	23.69	33.01	PASS

Test Band: LTE CatM1 B25 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	22.67	22.87	23.18	/	2.79	25.46	25.66	25.97	33.01	PASS
		2	22.65	22.67	23.04	/	2.79	25.44	25.46	25.83	33.01	PASS
		5	22.63	22.55	23.02	/	2.79	25.42	25.34	25.81	33.01	PASS
	3	0	21.49	21.81	22.09	/	2.79	24.28	24.6	24.88	33.01	PASS
		2	21.56	21.62	22.07	/	2.79	24.35	24.41	24.86	33.01	PASS
		3	21.52	21.54	22.08	/	2.79	24.31	24.33	24.87	33.01	PASS
	6	0	21.49	21.71	22.06	/	2.79	24.28	24.5	24.85	33.01	PASS
		0	21.72	22.15	22.13	/	2.79	24.51	24.94	24.92	33.01	PASS
		2	21.63	22.01	22.2	/	2.79	24.42	24.8	24.99	33.01	PASS
16QAM	1	5	21.57	21.91	22.07	/	2.79	24.36	24.7	24.86	33.01	PASS
		0	20.55	20.82	21.06	/	2.79	23.34	23.61	23.85	33.01	PASS
		2	20.6	20.64	21.07	/	2.79	23.39	23.43	23.86	33.01	PASS
	3	3	20.51	20.56	21.12	/	2.79	23.3	23.35	23.91	33.01	PASS
		3	20.51	20.56	21.12	/	2.79	23.3	23.35	23.91	33.01	PASS
		3	20.51	20.56	21.12	/	2.79	23.3	23.35	23.91	33.01	PASS
	6	0	20.5	20.67	21.09	/	2.79	23.29	23.46	23.88	33.01	PASS
		0	20.5	20.67	21.09	/	2.79	23.29	23.46	23.88	33.01	PASS
		0	20.5	20.67	21.09	/	2.79	23.29	23.46	23.88	33.01	PASS

Test Band: LTE CatM1 B25 _ 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	22.95	23.01	23.08	/	2.79	25.74	25.8	25.87	33.01	PASS
		2	22.82	22.68	22.94	/	2.79	25.61	25.47	25.73	33.01	PASS
		5	22.9	22.63	22.82	/	2.79	25.69	25.42	25.61	33.01	PASS
	3	0	21.57	21.64	22.12	/	2.79	24.36	24.43	24.91	33.01	PASS
		2	21.64	21.6	22.08	/	2.79	24.43	24.39	24.87	33.01	PASS
		3	21.69	21.57	22.09	/	2.79	24.48	24.36	24.88	33.01	PASS
	6	0	21.7	21.71	22.08	/	2.79	24.49	24.5	24.87	33.01	PASS
		2	22.07	22.04	22.34	/	2.79	24.86	24.83	25.13	33.01	PASS
		5	22.2	21.59	22.15	/	2.79	24.99	24.38	24.94	33.01	PASS
16QAM	1	0	20.53	20.76	21.16	/	2.79	23.32	23.55	23.95	33.01	PASS
		2	20.68	20.69	21.07	/	2.79	23.47	23.48	23.86	33.01	PASS
		3	20.65	20.67	21.12	/	2.79	23.44	23.46	23.91	33.01	PASS
	3	0	20.65	20.73	21.14	/	2.79	23.44	23.52	23.93	33.01	PASS
		2										
		3										
	6	0										
		2										
		3										

Test Band: LTE CatM1 B25 _ 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	22.83	22.99	23	/	2.79	25.62	25.78	25.79	33.01	PASS
		2	22.58	22.56	22.97	/	2.79	25.37	25.35	25.76	33.01	PASS
		5	22.62	22.7	23.01	/	2.79	25.41	25.49	25.8	33.01	PASS
	3	0	21.53	21.55	21.82	/	2.79	24.32	24.34	24.61	33.01	PASS
		2	21.53	21.58	21.87	/	2.79	24.32	24.37	24.66	33.01	PASS
		3	21.65	21.47	21.84	/	2.79	24.44	24.26	24.63	33.01	PASS
	6	0	21.59	21.53	21.87	/	2.79	24.38	24.32	24.66	33.01	PASS
		2	21.9	22.01	21.99	/	2.79	24.69	24.8	24.78	33.01	PASS
		5	21.59	21.59	22.04	/	2.79	24.38	24.38	24.83	33.01	PASS
16QAM	1	0	20.65	20.64	20.79	/	2.79	23.44	23.43	23.58	33.01	PASS
		2	20.61	20.59	20.82	/	2.79	23.4	23.38	23.61	33.01	PASS
		3	20.63	20.55	20.81	/	2.79	23.42	23.34	23.6	33.01	PASS
	3	0	20.63	20.63	20.93	/	2.79	23.42	23.42	23.72	33.01	PASS
		2										
		3										
	6	0										
		2										
		3										

Test Band: LTE CatM1 B25 _ 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	22.63	23.03	22.73	/	2.79	25.42	25.82	25.52	33.01	PASS
		2	22.59	22.7	22.86	/	2.79	25.38	25.49	25.65	33.01	PASS
		5	22.31	22.63	22.86	/	2.79	25.1	25.42	25.65	33.01	PASS
	3	0	21.57	21.62	21.72	/	2.79	24.36	24.41	24.51	33.01	PASS
		2	21.6	21.56	21.81	/	2.79	24.39	24.35	24.6	33.01	PASS
		3	21.62	21.42	21.91	/	2.79	24.41	24.21	24.7	33.01	PASS
	6	0	21.57	21.59	21.91	/	2.79	24.36	24.38	24.7	33.01	PASS
		2	21.73	21.7	22.17	/	2.79	24.52	24.49	24.96	33.01	PASS
		5	21.38	21.34	22.27	/	2.79	24.17	24.13	25.06	33.01	PASS
16QAM	1	0	20.53	20.66	20.76	/	2.79	23.32	23.45	23.55	33.01	PASS
		2	20.6	20.56	20.84	/	2.79	23.39	23.35	23.63	33.01	PASS
		3	20.53	20.38	20.89	/	2.79	23.32	23.17	23.68	33.01	PASS
	3	0	20.58	20.63	20.83	/	2.79	23.37	23.42	23.62	33.01	PASS
		2										
		3										
	6	0										
		2										
		3										

Note:

1) dBd = dBi - 2.15

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