

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

Test Band: LTE CatM1 B5_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	20.03	19.71	20.14	-5.83	-3.68	14.20	13.88	14.31	38.45	PASS
	1	2	19.91	20.03	19.88	-5.83	-3.68	14.08	14.20	14.05	38.45	PASS
	1	5	19.91	19.7	19.92	-5.83	-3.68	14.08	13.87	14.09	38.45	PASS
	3	0	19.6	19.88	20.03	-5.83	-3.68	13.77	14.05	14.20	38.45	PASS
	3	2	19.83	19.88	19.87	-5.83	-3.68	14.00	14.05	14.04	38.45	PASS
	3	3	19.62	19.86	19.89	-5.83	-3.68	13.79	14.03	14.06	38.45	PASS
	6	0	19.6	19.19	19.3	-5.83	-3.68	13.77	13.36	13.47	38.45	PASS
16QAM	1	0	19.75	19.93	20.09	-5.83	-3.68	13.92	14.10	14.26	38.45	PASS
	1	2	19.47	19.41	19.75	-5.83	-3.68	13.64	13.58	13.92	38.45	PASS
	1	5	19.64	19.48	19.46	-5.83	-3.68	13.81	13.65	13.63	38.45	PASS
	3	0	19.45	19.3	19.4	-5.83	-3.68	13.62	13.47	13.57	38.45	PASS
	3	2	19.06	19.43	19.53	-5.83	-3.68	13.23	13.60	13.70	38.45	PASS
	3	3	19.24	18.93	19.43	-5.83	-3.68	13.41	13.10	13.60	38.45	PASS
	6	0	18.65	18.79	19.47	-5.83	-3.68	12.82	12.96	13.64	38.45	PASS

Test Band: LTE CatM1 B5_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	20.07	19.8	19.76	-5.83	-3.68	14.24	13.97	13.93	38.45	PASS
	1	2	19.82	19.34	19.8	-5.83	-3.68	13.99	13.51	13.97	38.45	PASS
	1	5	19.77	19.66	19.66	-5.83	-3.68	13.94	13.83	13.83	38.45	PASS
	3	0	19.63	19.93	20.01	-5.83	-3.68	13.80	14.10	14.18	38.45	PASS
	3	2	19.67	19.89	20.01	-5.83	-3.68	13.84	14.06	14.18	38.45	PASS
	3	3	19.63	19.84	20.01	-5.83	-3.68	13.80	14.01	14.18	38.45	PASS
	6	0	19.68	19.27	19.37	-5.83	-3.68	13.85	13.44	13.54	38.45	PASS
16QAM	1	0	19.64	19.7	19.68	-5.83	-3.68	13.81	13.87	13.85	38.45	PASS
	1	2	19.44	19.47	19.49	-5.83	-3.68	13.61	13.64	13.66	38.45	PASS
	1	5	19.4	19.65	19.7	-5.83	-3.68	13.57	13.82	13.87	38.45	PASS
	3	0	19.62	19.4	19.78	-5.83	-3.68	13.79	13.57	13.95	38.45	PASS
	3	2	19.49	19.09	19.72	-5.83	-3.68	13.66	13.26	13.89	38.45	PASS
	3	3	19.37	19.08	19.46	-5.83	-3.68	13.54	13.25	13.63	38.45	PASS
	6	0	19.36	18.85	19.45	-5.83	-3.68	13.53	13.02	13.62	38.45	PASS

Test Band: LTE CatM1 B5_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	20.02	20.11	20.09	-5.83	-3.68	14.19	14.28	14.26	38.45	PASS
	1	2	19.89	19.61	19.93	-5.83	-3.68	14.06	13.78	14.10	38.45	PASS
	1	5	19.44	19.43	19.83	-5.83	-3.68	13.61	13.60	14.00	38.45	PASS
	3	0	19.52	19.51	19.67	-5.83	-3.68	13.69	13.68	13.84	38.45	PASS
	3	2	19.76	19.44	19.85	-5.83	-3.68	13.93	13.61	14.02	38.45	PASS
	3	3	19.69	19.5	19.61	-5.83	-3.68	13.86	13.67	13.78	38.45	PASS
	6	0	19.77	19.28	19.41	-5.83	-3.68	13.94	13.45	13.58	38.45	PASS
16QAM	1	0	19.84	20.08	20.02	-5.83	-3.68	14.01	14.25	14.19	38.45	PASS
	1	2	19.74	19.36	19.98	-5.83	-3.68	13.91	13.53	14.15	38.45	PASS
	1	5	19.66	19.58	19.55	-5.83	-3.68	13.83	13.75	13.72	38.45	PASS
	3	0	19.55	19.36	19.75	-5.83	-3.68	13.72	13.53	13.92	38.45	PASS
	3	2	19.47	19.12	19.46	-5.83	-3.68	13.64	13.29	13.63	38.45	PASS
	3	3	19.42	19.05	19.39	-5.83	-3.68	13.59	13.22	13.56	38.45	PASS
	6	0	19.26	18.92	19.2	-5.83	-3.68	13.43	13.09	13.37	38.45	PASS

Test Band: LTE CatM1 B5 _ 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	20.36	20.47	20.17	-5.83	-3.68	14.53	14.64	14.34	38.45	PASS
	1	2	19.89	19.65	19.97	-5.83	-3.68	14.06	13.82	14.14	38.45	PASS
	1	5	19.76	19.83	19.83	-5.83	-3.68	13.93	14.00	14.00	38.45	PASS
	3	0	19.6	19.99	19.83	-5.83	-3.68	13.77	14.16	14.00	38.45	PASS
	3	2	19.86	19.89	19.96	-5.83	-3.68	14.03	14.06	14.13	38.45	PASS
	3	3	19.69	19.83	19.96	-5.83	-3.68	13.86	14.00	14.13	38.45	PASS
	6	0	19.77	19.24	19.35	-5.83	-3.68	13.94	13.41	13.52	38.45	PASS
16QAM	1	0	19.6	19.86	19.73	-5.83	-3.68	13.77	14.03	13.90	38.45	PASS
	1	2	19.63	19.7	19.69	-5.83	-3.68	13.80	13.87	13.86	38.45	PASS
	1	5	19.52	19.44	19.81	-5.83	-3.68	13.69	13.61	13.98	38.45	PASS
	3	0	19.19	19.78	19.65	-5.83	-3.68	13.36	13.95	13.82	38.45	PASS
	3	2	19.08	19.15	19.51	-5.83	-3.68	13.25	13.32	13.68	38.45	PASS
	3	3	19.02	19.35	19.51	-5.83	-3.68	13.19	13.52	13.68	38.45	PASS
	6	0	19.03	18.89	19.35	-5.83	-3.68	13.20	13.06	13.52	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)