
Annex A. LTE Output Power

1. LTE_Band4

1.1. LTE Output Power

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (dBm)	Upper Limit (dBm)	Measured (dBm)	Verdict
19957	1.4	QPSK	1	0	0	30	22.29	Pass
19957	1.4	QPSK	1	2	0	30	22.24	Pass
19957	1.4	QPSK	1	5	0	30	22.22	Pass
19957	1.4	QPSK	3	0	0	30	22.29	Pass
19957	1.4	QPSK	3	1	0	30	22.22	Pass
19957	1.4	QPSK	3	3	0	30	22.22	Pass
19957	1.4	QPSK	6	0	0	30	21.24	Pass
19957	1.4	16QAM	1	0	0	30	21.47	Pass
19957	1.4	16QAM	1	2	0	30	21.39	Pass
19957	1.4	16QAM	1	5	0	30	21.47	Pass
19957	1.4	16QAM	3	0	0	30	21.4	Pass
19957	1.4	16QAM	3	1	0	30	21.44	Pass
19957	1.4	16QAM	3	3	0	30	21.49	Pass
19957	1.4	16QAM	6	0	0	30	20.46	Pass
20175	1.4	QPSK	1	0	0	30	23.34	Pass
20175	1.4	QPSK	1	2	0	30	23.32	Pass
20175	1.4	QPSK	1	5	0	30	23.35	Pass
20175	1.4	QPSK	3	0	0	30	23.27	Pass
20175	1.4	QPSK	3	1	0	30	23.32	Pass
20175	1.4	QPSK	3	3	0	30	23.33	Pass
20175	1.4	QPSK	6	0	0	30	22.23	Pass
20175	1.4	16QAM	1	0	0	30	22.63	Pass
20175	1.4	16QAM	1	2	0	30	22.6	Pass
20175	1.4	16QAM	1	5	0	30	22.63	Pass
20175	1.4	16QAM	3	0	0	30	22.43	Pass
20175	1.4	16QAM	3	1	0	30	22.42	Pass
20175	1.4	16QAM	3	3	0	30	22.42	Pass
20175	1.4	16QAM	6	0	0	30	21.27	Pass
20393	1.4	QPSK	1	0	0	30	22.71	Pass
20393	1.4	QPSK	1	2	0	30	22.72	Pass
20393	1.4	QPSK	1	5	0	30	22.71	Pass
20393	1.4	QPSK	3	0	0	30	22.65	Pass
20393	1.4	QPSK	3	1	0	30	22.69	Pass

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (dBm)	Upper Limit (dBm)	Measured (dBm)	Verdict
20393	1.4	QPSK	3	3	0	30	22.71	Pass
20393	1.4	QPSK	6	0	0	30	21.6	Pass
20393	1.4	16QAM	1	0	0	30	21.65	Pass
20393	1.4	16QAM	1	2	0	30	21.66	Pass
20393	1.4	16QAM	1	5	0	30	21.82	Pass
20393	1.4	16QAM	3	0	0	30	21.81	Pass
20393	1.4	16QAM	3	1	0	30	21.83	Pass
20393	1.4	16QAM	3	3	0	30	21.92	Pass
20393	1.4	16QAM	6	0	0	30	20.98	Pass
19965	3	QPSK	1	0	0	30	22.14	Pass
19965	3	QPSK	1	7	0	30	22.18	Pass
19965	3	QPSK	1	14	0	30	22.11	Pass
19965	3	QPSK	8	0	0	30	21.24	Pass
19965	3	QPSK	8	3	0	30	21.34	Pass
19965	3	QPSK	8	7	0	30	21.25	Pass
19965	3	QPSK	15	0	0	30	21.3	Pass
19965	3	16QAM	1	0	0	30	21.18	Pass
19965	3	16QAM	1	7	0	30	21.31	Pass
19965	3	16QAM	1	14	0	30	21.11	Pass
19965	3	16QAM	8	0	0	30	20.34	Pass
19965	3	16QAM	8	3	0	30	20.38	Pass
19965	3	16QAM	8	7	0	30	20.3	Pass
19965	3	16QAM	15	0	0	30	20.28	Pass
20175	3	QPSK	1	0	0	30	23.2	Pass
20175	3	QPSK	1	7	0	30	23.34	Pass
20175	3	QPSK	1	14	0	30	23.17	Pass
20175	3	QPSK	8	0	0	30	22.13	Pass
20175	3	QPSK	8	3	0	30	22.19	Pass
20175	3	QPSK	8	7	0	30	22.1	Pass
20175	3	QPSK	15	0	0	30	22.14	Pass
20175	3	16QAM	1	0	0	30	22.5	Pass
20175	3	16QAM	1	7	0	30	22.66	Pass
20175	3	16QAM	1	14	0	30	22.56	Pass
20175	3	16QAM	8	0	0	30	21.41	Pass
20175	3	16QAM	8	3	0	30	21.48	Pass
20175	3	16QAM	8	7	0	30	21.38	Pass
20175	3	16QAM	15	0	0	30	21.37	Pass

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (dBm)	Upper Limit (dBm)	Measured (dBm)	Verdict
20385	3	QPSK	1	0	0	30	22.55	Pass
20385	3	QPSK	1	7	0	30	22.71	Pass
20385	3	QPSK	1	14	0	30	22.62	Pass
20385	3	QPSK	8	0	0	30	21.52	Pass
20385	3	QPSK	8	3	0	30	21.63	Pass
20385	3	QPSK	8	7	0	30	21.6	Pass
20385	3	QPSK	15	0	0	30	21.6	Pass
20385	3	16QAM	1	0	0	30	21.53	Pass
20385	3	16QAM	1	7	0	30	21.71	Pass
20385	3	16QAM	1	14	0	30	21.63	Pass
20385	3	16QAM	8	0	0	30	20.69	Pass
20385	3	16QAM	8	3	0	30	20.75	Pass
20385	3	16QAM	8	7	0	30	20.87	Pass
20385	3	16QAM	15	0	0	30	20.75	Pass
19975	5	QPSK	1	0	0	30	22.37	Pass
19975	5	QPSK	1	12	0	30	22.26	Pass
19975	5	QPSK	1	24	0	30	22.3	Pass
19975	5	QPSK	12	0	0	30	21.24	Pass
19975	5	QPSK	12	6	0	30	21.23	Pass
19975	5	QPSK	12	13	0	30	21.17	Pass
19975	5	QPSK	25	0	0	30	21.16	Pass
19975	5	16QAM	1	0	0	30	21.54	Pass
19975	5	16QAM	1	12	0	30	21.57	Pass
19975	5	16QAM	1	24	0	30	21.56	Pass
19975	5	16QAM	12	0	0	30	20.29	Pass
19975	5	16QAM	12	6	0	30	20.34	Pass
19975	5	16QAM	12	13	0	30	20.34	Pass
19975	5	16QAM	25	0	0	30	20.22	Pass
20175	5	QPSK	1	0	0	30	23.21	Pass
20175	5	QPSK	1	12	0	30	23.35	Pass
20175	5	QPSK	1	24	0	30	23.2	Pass
20175	5	QPSK	12	0	0	30	22.13	Pass
20175	5	QPSK	12	6	0	30	22.27	Pass
20175	5	QPSK	12	13	0	30	22.19	Pass
20175	5	QPSK	25	0	0	30	22.19	Pass
20175	5	16QAM	1	0	0	30	22.63	Pass
20175	5	16QAM	1	12	0	30	22.82	Pass

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (dBm)	Upper Limit (dBm)	Measured (dBm)	Verdict
20175	5	16QAM	1	24	0	30	22.77	Pass
20175	5	16QAM	12	0	0	30	21.4	Pass
20175	5	16QAM	12	6	0	30	21.55	Pass
20175	5	16QAM	12	13	0	30	21.47	Pass
20175	5	16QAM	25	0	0	30	21.4	Pass
20375	5	QPSK	1	0	0	30	22.66	Pass
20375	5	QPSK	1	12	0	30	22.79	Pass
20375	5	QPSK	1	24	0	30	22.77	Pass
20375	5	QPSK	12	0	0	30	21.37	Pass
20375	5	QPSK	12	6	0	30	21.52	Pass
20375	5	QPSK	12	13	0	30	21.56	Pass
20375	5	QPSK	25	0	0	30	21.44	Pass
20375	5	16QAM	1	0	0	30	21.61	Pass
20375	5	16QAM	1	12	0	30	21.7	Pass
20375	5	16QAM	1	24	0	30	21.79	Pass
20375	5	16QAM	12	0	0	30	20.62	Pass
20375	5	16QAM	12	6	0	30	20.73	Pass
20375	5	16QAM	12	13	0	30	20.78	Pass
20375	5	16QAM	25	0	0	30	20.59	Pass
20000	10	QPSK	1	0	0	30	22.31	Pass
20000	10	QPSK	1	24	0	30	22.28	Pass
20000	10	QPSK	1	49	0	30	22.51	Pass
20000	10	QPSK	25	0	0	30	21.12	Pass
20000	10	QPSK	25	12	0	30	21.19	Pass
20000	10	QPSK	25	25	0	30	21.16	Pass
20000	10	QPSK	50	0	0	30	21.03	Pass
20000	10	16QAM	1	0	0	30	21.29	Pass
20000	10	16QAM	1	24	0	30	21.24	Pass
20000	10	16QAM	1	49	0	30	21.55	Pass
20000	10	16QAM	25	0	0	30	20.13	Pass
20000	10	16QAM	25	12	0	30	20.28	Pass
20000	10	16QAM	25	25	0	30	20.35	Pass
20000	10	16QAM	50	0	0	30	21.39	Pass
20175	10	QPSK	1	0	0	30	23.01	Pass
20175	10	QPSK	1	24	0	30	23.37	Pass
20175	10	QPSK	1	49	0	30	23.16	Pass
20175	10	QPSK	25	0	0	30	21.98	Pass

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (dBm)	Upper Limit (dBm)	Measured (dBm)	Verdict
20175	10	QPSK	25	12	0	30	22.21	Pass
20175	10	QPSK	25	25	0	30	22.1	Pass
20175	10	QPSK	50	0	0	30	22.56	Pass
20175	10	16QAM	1	0	0	30	22.38	Pass
20175	10	16QAM	1	24	0	30	22.64	Pass
20175	10	16QAM	1	49	0	30	22.47	Pass
20175	10	16QAM	25	0	0	30	21.14	Pass
20175	10	16QAM	25	12	0	30	21.38	Pass
20175	10	16QAM	25	25	0	30	21.28	Pass
20175	10	16QAM	50	0	0	30	22.55	Pass
20350	10	QPSK	1	0	0	30	22.45	Pass
20350	10	QPSK	1	24	0	30	22.44	Pass
20350	10	QPSK	1	49	0	30	22.59	Pass
20350	10	QPSK	25	0	0	30	21.03	Pass
20350	10	QPSK	25	12	0	30	21.29	Pass
20350	10	QPSK	25	25	0	30	21.28	Pass
20350	10	QPSK	50	0	0	30	22.31	Pass
20350	10	16QAM	1	0	0	30	21.4	Pass
20350	10	16QAM	1	24	0	30	21.38	Pass
20350	10	16QAM	1	49	0	30	21.62	Pass
20350	10	16QAM	25	0	0	30	20.31	Pass
20350	10	16QAM	25	12	0	30	20.57	Pass
20350	10	16QAM	25	25	0	30	20.57	Pass
20350	10	16QAM	50	0	0	30	22.3	Pass
20025	15	QPSK	1	0	0	30	22.31	Pass
20025	15	QPSK	1	37	0	30	22.5	Pass
20025	15	QPSK	1	74	0	30	22.82	Pass
20025	15	QPSK	36	0	0	30	21.17	Pass
20025	15	QPSK	36	19	0	30	21.47	Pass
20025	15	QPSK	36	39	0	30	21.58	Pass
20025	15	QPSK	75	0	0	30	21.34	Pass
20025	15	16QAM	1	0	0	30	21.37	Pass
20025	15	16QAM	1	37	0	30	21.49	Pass
20025	15	16QAM	1	74	0	30	21.85	Pass
20025	15	16QAM	36	0	0	30	22.23	Pass
20025	15	16QAM	36	19	0	30	22.22	Pass
20025	15	16QAM	36	39	0	30	22.21	Pass

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (dBm)	Upper Limit (dBm)	Measured (dBm)	Verdict
20025	15	16QAM	75	0	0	30	22.2	Pass
20175	15	QPSK	1	0	0	30	22.97	Pass
20175	15	QPSK	1	37	0	30	23.44	Pass
20175	15	QPSK	1	74	0	30	23.07	Pass
20175	15	QPSK	36	0	0	30	23.19	Pass
20175	15	QPSK	36	19	0	30	23.22	Pass
20175	15	QPSK	36	39	0	30	23.22	Pass
20175	15	QPSK	75	0	0	30	23.22	Pass
20175	15	16QAM	1	0	0	30	22.33	Pass
20175	15	16QAM	1	37	0	30	22.78	Pass
20175	15	16QAM	1	74	0	30	22.38	Pass
20175	15	16QAM	36	0	0	30	23.21	Pass
20175	15	16QAM	36	19	0	30	23.2	Pass
20175	15	16QAM	36	39	0	30	23.2	Pass
20175	15	16QAM	75	0	0	30	23.19	Pass
20325	15	QPSK	1	0	0	30	22.99	Pass
20325	15	QPSK	1	37	0	30	22.46	Pass
20325	15	QPSK	1	74	0	30	22.68	Pass
20325	15	QPSK	36	0	0	30	22.73	Pass
20325	15	QPSK	36	19	0	30	22.72	Pass
20325	15	QPSK	36	39	0	30	22.99	Pass
20325	15	QPSK	75	0	0	30	23.69	Pass
20325	15	16QAM	1	0	0	30	22.35	Pass
20325	15	16QAM	1	37	0	30	23.01	Pass
20325	15	16QAM	1	74	0	30	22.04	Pass
20325	15	16QAM	36	0	0	30	23.42	Pass
20325	15	16QAM	36	19	0	30	23.22	Pass
20325	15	16QAM	36	39	0	30	23.73	Pass
20325	15	16QAM	75	0	0	30	23.78	Pass
20050	20	QPSK	1	0	0	30	22.22	Pass
20050	20	QPSK	1	49	0	30	22.64	Pass
20050	20	QPSK	1	99	0	30	23.02	Pass
20050	20	QPSK	50	0	0	30	21.15	Pass
20050	20	QPSK	50	25	0	30	21.59	Pass
20050	20	QPSK	50	50	0	30	21.84	Pass
20050	20	QPSK	100	0	0	30	21.44	Pass
20050	20	16QAM	1	0	0	30	21.8	Pass

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (dBm)	Upper Limit (dBm)	Measured (dBm)	Verdict
20050	20	16QAM	1	49	0	30	22.19	Pass
20050	20	16QAM	1	99	0	30	22.63	Pass
20050	20	16QAM	50	0	0	30	22.32	Pass
20050	20	16QAM	50	25	0	30	22.31	Pass
20050	20	16QAM	50	50	0	30	22.31	Pass
20050	20	16QAM	100	0	0	30	22.3	Pass
20175	20	QPSK	1	0	0	30	22.75	Pass
20175	20	QPSK	1	49	0	30	23.44	Pass
20175	20	QPSK	1	99	0	30	22.83	Pass
20175	20	QPSK	50	0	0	30	23.15	Pass
20175	20	QPSK	50	25	0	30	23.15	Pass
20175	20	QPSK	50	50	0	30	23.16	Pass
20175	20	QPSK	100	0	0	30	23.19	Pass
20175	20	16QAM	1	0	0	30	23.14	Pass
20175	20	16QAM	1	49	0	30	23.05	Pass
20175	20	16QAM	1	99	0	30	22.38	Pass
20175	20	16QAM	50	0	0	30	23.49	Pass
20175	20	16QAM	50	25	0	30	22.44	Pass
20175	20	16QAM	50	50	0	30	22.34	Pass
20175	20	16QAM	100	0	0	30	23.26	Pass
20300	20	QPSK	1	0	0	30	23.14	Pass
20300	20	QPSK	1	49	0	30	22.61	Pass
20300	20	QPSK	1	99	0	30	22.6	Pass
20300	20	QPSK	50	0	0	30	23.02	Pass
20300	20	QPSK	50	25	0	30	23.01	Pass
20300	20	QPSK	50	50	0	30	23.22	Pass
20300	20	QPSK	100	0	0	30	23.20	Pass
20300	20	16QAM	1	0	0	30	23.13	Pass
20300	20	16QAM	1	49	0	30	22.41	Pass
20300	20	16QAM	1	99	0	30	21.77	Pass
20300	20	16QAM	50	0	0	30	23.05	Pass
20300	20	16QAM	50	25	0	30	23.43	Pass
20300	20	16QAM	50	50	0	30	23.33	Pass
20300	20	16QAM	100	0	0	30	22.82	Pass

END