

Annex A. LTE Output Power

1. LTE_Band2

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
18607	1.4	QPSK	1	0	0	33	23.55	Pass
18607	1.4	QPSK	1	2	0	33	23.62	Pass
18607	1.4	QPSK	1	5	0	33	23.91	Pass
18607	1.4	QPSK	3	0	0	33	23.62	Pass
18607	1.4	QPSK	3	1	0	33	23.69	Pass
18607	1.4	QPSK	3	3	0	33	23.79	Pass
18607	1.4	QPSK	6	0	0	33	22.73	Pass
18607	1.4	16QAM	1	0	0	33	22.84	Pass
18607	1.4	16QAM	1	2	0	33	22.96	Pass
18607	1.4	16QAM	1	5	0	33	23.12	Pass
18607	1.4	16QAM	3	0	0	33	22.81	Pass
18607	1.4	16QAM	3	1	0	33	22.9	Pass
18607	1.4	16QAM	3	3	0	33	23.02	Pass
18607	1.4	16QAM	6	0	0	33	21.72	Pass
18900	1.4	QPSK	1	0	0	33	23.87	Pass
18900	1.4	QPSK	1	2	0	33	23.85	Pass
18900	1.4	QPSK	1	5	0	33	23.96	Pass
18900	1.4	QPSK	3	0	0	33	23.77	Pass
18900	1.4	QPSK	3	1	0	33	23.78	Pass
18900	1.4	QPSK	3	3	0	33	23.88	Pass
18900	1.4	QPSK	6	0	0	33	22.95	Pass
18900	1.4	16QAM	1	0	0	33	23.33	Pass
18900	1.4	16QAM	1	2	0	33	23.31	Pass
18900	1.4	16QAM	1	5	0	33	23.48	Pass
18900	1.4	16QAM	3	0	0	33	23.19	Pass
18900	1.4	16QAM	3	1	0	33	23.18	Pass
18900	1.4	16QAM	3	3	0	33	23.23	Pass
18900	1.4	16QAM	6	0	0	33	21.64	Pass
19193	1.4	QPSK	1	0	0	33	23.97	Pass
19193	1.4	QPSK	1	2	0	33	23.84	Pass
19193	1.4	QPSK	1	5	0	33	22.95	Pass
19193	1.4	QPSK	3	0	0	33	23	Pass
19193	1.4	QPSK	3	1	0	33	22.94	Pass

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (dBm)	Upper Limit (dBm)	Measured (dBm)	Verdict
19193	1.4	QPSK	3	3	0	33	22.93	Pass
19193	1.4	QPSK	6	0	0	33	22.78	Pass
19193	1.4	16QAM	1	0	0	33	22.96	Pass
19193	1.4	16QAM	1	2	0	33	22.93	Pass
19193	1.4	16QAM	1	5	0	33	22.36	Pass
19193	1.4	16QAM	3	0	0	33	23.06	Pass
19193	1.4	16QAM	3	1	0	33	23.11	Pass
19193	1.4	16QAM	3	3	0	33	22.97	Pass
19193	1.4	16QAM	6	0	0	33	22.05	Pass
18615	3	QPSK	1	0	0	33	23.65	Pass
18615	3	QPSK	1	7	0	33	23.99	Pass
18615	3	QPSK	1	14	0	33	23.96	Pass
18615	3	QPSK	8	0	0	33	22.93	Pass
18615	3	QPSK	8	3	0	33	23.07	Pass
18615	3	QPSK	8	7	0	33	23.15	Pass
18615	3	QPSK	15	0	0	33	22.98	Pass
18615	3	16QAM	1	0	0	33	22.66	Pass
18615	3	16QAM	1	7	0	33	23.01	Pass
18615	3	16QAM	1	14	0	33	22.99	Pass
18615	3	16QAM	8	0	0	33	21.73	Pass
18615	3	16QAM	8	3	0	33	21.91	Pass
18615	3	16QAM	8	7	0	33	22.03	Pass
18615	3	16QAM	15	0	0	33	21.76	Pass
18900	3	QPSK	1	0	0	33	23.75	Pass
18900	3	QPSK	1	7	0	33	23.9	Pass
18900	3	QPSK	1	14	0	33	23.92	Pass
18900	3	QPSK	8	0	0	33	22.61	Pass
18900	3	QPSK	8	3	0	33	22.91	Pass
18900	3	QPSK	8	7	0	33	23.04	Pass
18900	3	QPSK	15	0	0	33	22.9	Pass
18900	3	16QAM	1	0	0	33	22.85	Pass
18900	3	16QAM	1	7	0	33	23.37	Pass
18900	3	16QAM	1	14	0	33	23.42	Pass
18900	3	16QAM	8	0	0	33	21.74	Pass
18900	3	16QAM	8	3	0	33	21.76	Pass
18900	3	16QAM	8	7	0	33	21.81	Pass
18900	3	16QAM	15	0	0	33	21.66	Pass

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (dBm)	Upper Limit (dBm)	Measured (dBm)	Verdict
19185	3	QPSK	1	0	0	33	23.52	Pass
19185	3	QPSK	1	7	0	33	23.78	Pass
19185	3	QPSK	1	14	0	33	22.7	Pass
19185	3	QPSK	8	0	0	33	22.68	Pass
19185	3	QPSK	8	3	0	33	22.75	Pass
19185	3	QPSK	8	7	0	33	22.86	Pass
19185	3	QPSK	15	0	0	33	22.75	Pass
19185	3	16QAM	1	0	0	33	22.57	Pass
19185	3	16QAM	1	7	0	33	22.83	Pass
19185	3	16QAM	1	14	0	33	22.59	Pass
19185	3	16QAM	8	0	0	33	21.6	Pass
19185	3	16QAM	8	3	0	33	21.68	Pass
19185	3	16QAM	8	7	0	33	21.8	Pass
19185	3	16QAM	15	0	0	33	21.63	Pass
18625	5	QPSK	1	0	0	33	23.85	Pass
18625	5	QPSK	1	12	0	33	24.14	Pass
18625	5	QPSK	1	24	0	33	24.02	Pass
18625	5	QPSK	12	0	0	33	22.94	Pass
18625	5	QPSK	12	6	0	33	23.14	Pass
18625	5	QPSK	12	13	0	33	23	Pass
18625	5	QPSK	25	0	0	33	22.95	Pass
18625	5	16QAM	1	0	0	33	22.97	Pass
18625	5	16QAM	1	12	0	33	23.34	Pass
18625	5	16QAM	1	24	0	33	23.23	Pass
18625	5	16QAM	12	0	0	33	21.73	Pass
18625	5	16QAM	12	6	0	33	21.99	Pass
18625	5	16QAM	12	13	0	33	21.89	Pass
18625	5	16QAM	25	0	0	33	21.75	Pass
18900	5	QPSK	1	0	0	33	23.59	Pass
18900	5	QPSK	1	12	0	33	23.88	Pass
18900	5	QPSK	1	24	0	33	24	Pass
18900	5	QPSK	12	0	0	33	22.44	Pass
18900	5	QPSK	12	6	0	33	22.89	Pass
18900	5	QPSK	12	13	0	33	23.01	Pass
18900	5	QPSK	25	0	0	33	22.85	Pass
18900	5	16QAM	1	0	0	33	23.14	Pass
18900	5	16QAM	1	12	0	33	23.47	Pass

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (dBm)	Upper Limit (dBm)	Measured (dBm)	Verdict
18900	5	16QAM	1	24	0	33	23.63	Pass
18900	5	16QAM	12	0	0	33	21.7	Pass
18900	5	16QAM	12	6	0	33	21.79	Pass
18900	5	16QAM	12	13	0	33	21.83	Pass
18900	5	16QAM	25	0	0	33	21.64	Pass
19175	5	QPSK	1	0	0	33	23.25	Pass
19175	5	QPSK	1	12	0	33	23.67	Pass
19175	5	QPSK	1	24	0	33	22.89	Pass
19175	5	QPSK	12	0	0	33	22.32	Pass
19175	5	QPSK	12	6	0	33	22.58	Pass
19175	5	QPSK	12	13	0	33	22.73	Pass
19175	5	QPSK	25	0	0	33	22.62	Pass
19175	5	16QAM	1	0	0	33	22.31	Pass
19175	5	16QAM	1	12	0	33	22.84	Pass
19175	5	16QAM	1	24	0	33	22.87	Pass
19175	5	16QAM	12	0	0	33	21.32	Pass
19175	5	16QAM	12	6	0	33	21.65	Pass
19175	5	16QAM	12	13	0	33	21.79	Pass
19175	5	16QAM	25	0	0	33	21.5	Pass
18650	10	QPSK	1	0	0	33	23.92	Pass
18650	10	QPSK	1	24	0	33	24.02	Pass
18650	10	QPSK	1	49	0	33	23.85	Pass
18650	10	QPSK	25	0	0	33	22.91	Pass
18650	10	QPSK	25	12	0	33	23.11	Pass
18650	10	QPSK	25	25	0	33	22.93	Pass
18650	10	QPSK	50	0	0	33	22.93	Pass
18650	10	16QAM	1	0	0	33	22.73	Pass
18650	10	16QAM	1	24	0	33	23.03	Pass
18650	10	16QAM	1	49	0	33	22.72	Pass
18650	10	16QAM	25	0	0	33	21.66	Pass
18650	10	16QAM	25	12	0	33	21.92	Pass
18650	10	16QAM	25	25	0	33	21.76	Pass
18650	10	16QAM	50	0	0	33	23.4	Pass
18900	10	QPSK	1	0	0	33	23.13	Pass
18900	10	QPSK	1	24	0	33	23.81	Pass
18900	10	QPSK	1	49	0	33	24.34	Pass
18900	10	QPSK	25	0	0	33	22.13	Pass

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (dBm)	Upper Limit (dBm)	Measured (dBm)	Verdict
18900	10	QPSK	25	12	0	33	22.82	Pass
18900	10	QPSK	25	25	0	33	22.98	Pass
18900	10	QPSK	50	0	0	33	23.59	Pass
18900	10	16QAM	1	0	0	33	22.57	Pass
18900	10	16QAM	1	24	0	33	23.26	Pass
18900	10	16QAM	1	49	0	33	23.69	Pass
18900	10	16QAM	25	0	0	33	21.29	Pass
18900	10	16QAM	25	12	0	33	21.53	Pass
18900	10	16QAM	25	25	0	33	21.75	Pass
18900	10	16QAM	50	0	0	33	23.58	Pass
19150	10	QPSK	1	0	0	33	22.6	Pass
19150	10	QPSK	1	24	0	33	22.85	Pass
19150	10	QPSK	1	49	0	33	23.09	Pass
19150	10	QPSK	25	0	0	33	21.51	Pass
19150	10	QPSK	25	12	0	33	22.11	Pass
19150	10	QPSK	25	25	0	33	22.35	Pass
19150	10	QPSK	50	0	0	33	23.27	Pass
19150	10	16QAM	1	0	0	33	21.84	Pass
19150	10	16QAM	1	24	0	33	21.98	Pass
19150	10	16QAM	1	49	0	33	22.88	Pass
19150	10	16QAM	25	0	0	33	20.46	Pass
19150	10	16QAM	25	12	0	33	21.17	Pass
19150	10	16QAM	25	25	0	33	21.46	Pass
19150	10	16QAM	50	0	0	33	23.27	Pass
18675	15	QPSK	1	0	0	33	24.08	Pass
18675	15	QPSK	1	37	0	33	24.2	Pass
18675	15	QPSK	1	74	0	33	23.34	Pass
18675	15	QPSK	36	0	0	33	23.05	Pass
18675	15	QPSK	36	19	0	33	23.12	Pass
18675	15	QPSK	36	39	0	33	22.7	Pass
18675	15	QPSK	75	0	0	33	22.96	Pass
18675	15	16QAM	1	0	0	33	22.89	Pass
18675	15	16QAM	1	37	0	33	23.07	Pass
18675	15	16QAM	1	74	0	33	22.42	Pass
18675	15	16QAM	36	0	0	33	23.66	Pass
18675	15	16QAM	36	19	0	33	23.65	Pass
18675	15	16QAM	36	39	0	33	23.64	Pass

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (dBm)	Upper Limit (dBm)	Measured (dBm)	Verdict
18675	15	16QAM	75	0	0	33	23.66	Pass
18900	15	QPSK	1	0	0	33	23.03	Pass
18900	15	QPSK	1	37	0	33	23.94	Pass
18900	15	QPSK	1	74	0	33	24.50	Pass
18900	15	QPSK	36	0	0	33	23.32	Pass
18900	15	QPSK	36	19	0	33	23.31	Pass
18900	15	QPSK	36	39	0	33	23.3	Pass
18900	15	QPSK	75	0	0	33	23.3	Pass
18900	15	16QAM	1	0	0	33	22.25	Pass
18900	15	16QAM	1	37	0	33	23.45	Pass
18900	15	16QAM	1	74	0	33	23.97	Pass
18900	15	16QAM	36	0	0	33	23.3	Pass
18900	15	16QAM	36	19	0	33	23.28	Pass
18900	15	16QAM	36	39	0	33	23.28	Pass
18900	15	16QAM	75	0	0	33	23.27	Pass
19125	15	QPSK	1	0	0	33	23.32	Pass
19125	15	QPSK	1	37	0	33	22.73	Pass
19125	15	QPSK	1	74	0	33	23.44	Pass
19125	15	QPSK	36	0	0	33	22.82	Pass
19125	15	QPSK	36	19	0	33	22.82	Pass
19125	15	QPSK	36	39	0	33	22.17	Pass
19125	15	QPSK	75	0	0	33	24.00	Pass
19125	15	16QAM	1	0	0	33	21.29	Pass
19125	15	16QAM	1	37	0	33	22.30	Pass
19125	15	16QAM	1	74	0	33	22.37	Pass
19125	15	16QAM	36	0	0	33	20.71	Pass
19125	15	16QAM	36	19	0	33	20.75	Pass
19125	15	16QAM	36	39	0	33	22.26	Pass
19125	15	16QAM	75	0	0	33	23.40	Pass
18700	20	QPSK	1	0	0	33	23.83	Pass
18700	20	QPSK	1	49	0	33	23.73	Pass
18700	20	QPSK	1	99	0	33	22.8	Pass
18700	20	QPSK	50	0	0	33	22.86	Pass
18700	20	QPSK	50	25	0	33	22.75	Pass
18700	20	QPSK	50	50	0	33	22.29	Pass
18700	20	QPSK	100	0	0	33	22.66	Pass
18700	20	16QAM	1	0	0	33	23.3	Pass

UL Channel	Bandwidth (MHz)	UL Modulation	UL RB Number	UL RB Position	Lower Limit (dBm)	Upper Limit (dBm)	Measured (dBm)	Verdict
18700	20	16QAM	1	49	0	33	23.3	Pass
18700	20	16QAM	1	99	0	33	22.42	Pass
18700	20	16QAM	50	0	0	33	23.05	Pass
18700	20	16QAM	50	25	0	33	23.05	Pass
18700	20	16QAM	50	50	0	33	23.04	Pass
18700	20	16QAM	100	0	0	33	23.04	Pass
18900	20	QPSK	1	0	0	33	22.84	Pass
18900	20	QPSK	1	49	0	33	23.96	Pass
18900	20	QPSK	1	99	0	33	24.51	Pass
18900	20	QPSK	50	0	0	33	23.34	Pass
18900	20	QPSK	50	25	0	33	23.13	Pass
18900	20	QPSK	50	50	0	33	23.13	Pass
18900	20	QPSK	100	0	0	33	23.13	Pass
18900	20	16QAM	1	0	0	33	22.74	Pass
18900	20	16QAM	1	49	0	33	23.00	Pass
18900	20	16QAM	1	99	0	33	22.43	Pass
18900	20	16QAM	50	0	0	33	22.13	Pass
18900	20	16QAM	50	25	0	33	22.97	Pass
18900	20	16QAM	50	50	0	33	20.66	Pass
18900	20	16QAM	100	0	0	33	22.17	Pass
19100	20	QPSK	1	0	0	33	24.07	Pass
19100	20	QPSK	1	49	0	33	22.62	Pass
19100	20	QPSK	1	99	0	33	23.72	Pass
19100	20	QPSK	50	0	0	33	23.54	Pass
19100	20	QPSK	50	25	0	33	23.53	Pass
19100	20	QPSK	50	50	0	33	22.44	Pass
19100	20	QPSK	100	0	0	33	22.32	Pass
19100	20	16QAM	1	0	0	33	23.19	Pass
19100	20	16QAM	1	49	0	33	22.12	Pass
19100	20	16QAM	1	99	0	33	22.95	Pass
19100	20	16QAM	50	0	0	33	21.42	Pass
19100	20	16QAM	50	25	0	33	22.41	Pass
19100	20	16QAM	50	50	0	33	22.06	Pass
19100	20	16QAM	100	0	0	33	22.68	Pass

END