

RF Power Output and Effective Radiated Power

BAND	Bandwidth	Modulation	Channel	RB Configuration	Maximum Output Power(dBm)	Verdict
LTE Band 4	1.4M	QPSK	19957	1RB#0	22.70	PASS
LTE Band 4	1.4M	QPSK	19957	1RB#2	22.87	PASS
LTE Band 4	1.4M	QPSK	19957	1RB#5	22.90	PASS
LTE Band 4	1.4M	QPSK	19957	3RB#0	21.70	PASS
LTE Band 4	1.4M	QPSK	19957	3RB#2	21.69	PASS
LTE Band 4	1.4M	QPSK	19957	3RB#3	21.82	PASS
LTE Band 4	1.4M	QPSK	19957	6RB#0	21.75	PASS
LTE Band 4	1.4M	QPSK	20175	1RB#0	22.67	PASS
LTE Band 4	1.4M	QPSK	20175	1RB#2	22.96	PASS
LTE Band 4	1.4M	QPSK	20175	1RB#5	22.99	PASS
LTE Band 4	1.4M	QPSK	20175	3RB#0	21.91	PASS
LTE Band 4	1.4M	QPSK	20175	3RB#2	21.89	PASS
LTE Band 4	1.4M	QPSK	20175	3RB#3	21.72	PASS
LTE Band 4	1.4M	QPSK	20175	6RB#0	21.97	PASS
LTE Band 4	1.4M	QPSK	20393	1RB#0	22.85	PASS
LTE Band 4	1.4M	QPSK	20393	1RB#2	22.72	PASS
LTE Band 4	1.4M	QPSK	20393	1RB#5	22.90	PASS
LTE Band 4	1.4M	QPSK	20393	3RB#0	21.82	PASS
LTE Band 4	1.4M	QPSK	20393	3RB#2	21.86	PASS
LTE Band 4	1.4M	QPSK	20393	3RB#3	21.83	PASS
LTE Band 4	1.4M	QPSK	20393	6RB#0	21.91	PASS
LTE Band 4	1.4M	16QAM	19957	1RB#0	22.01	PASS
LTE Band 4	1.4M	16QAM	19957	1RB#2	22.15	PASS
LTE Band 4	1.4M	16QAM	19957	1RB#5	22.03	PASS
LTE Band 4	1.4M	16QAM	19957	3RB#0	20.89	PASS
LTE Band 4	1.4M	16QAM	19957	3RB#2	20.85	PASS
LTE Band 4	1.4M	16QAM	19957	3RB#3	20.85	PASS
LTE Band 4	1.4M	16QAM	19957	6RB#0	20.94	PASS
LTE Band 4	1.4M	16QAM	20175	1RB#0	20.46	PASS
LTE Band 4	1.4M	16QAM	20175	1RB#2	21.56	PASS
LTE Band 4	1.4M	16QAM	20175	1RB#5	21.56	PASS
LTE Band 4	1.4M	16QAM	20175	3RB#0	21.06	PASS
LTE Band 4	1.4M	16QAM	20175	3RB#2	21.05	PASS
LTE Band 4	1.4M	16QAM	20175	3RB#3	20.96	PASS
LTE Band 4	1.4M	16QAM	20175	6RB#0	21.29	PASS
LTE Band 4	1.4M	16QAM	20393	1RB#0	22.32	PASS
LTE Band 4	1.4M	16QAM	20393	1RB#2	22.27	PASS

LTE Band 4	1.4M	16QAM	20393	1RB#5	22.48	PASS
LTE Band 4	1.4M	16QAM	20393	3RB#0	21.20	PASS
LTE Band 4	1.4M	16QAM	20393	3RB#2	21.17	PASS
LTE Band 4	1.4M	16QAM	20393	3RB#3	21.11	PASS
LTE Band 4	1.4M	16QAM	20393	6RB#0	21.23	PASS
LTE Band 4	3M	QPSK	19965	1RB#0	22.72	PASS
LTE Band 4	3M	QPSK	19965	1RB#7	22.90	PASS
LTE Band 4	3M	QPSK	19965	1RB#14	22.93	PASS
LTE Band 4	3M	QPSK	19965	8RB#0	21.78	PASS
LTE Band 4	3M	QPSK	19965	8RB#4	21.79	PASS
LTE Band 4	3M	QPSK	19965	8RB#7	21.90	PASS
LTE Band 4	3M	QPSK	19965	15RB#0	21.78	PASS
LTE Band 4	3M	QPSK	20175	1RB#0	22.71	PASS
LTE Band 4	3M	QPSK	20175	1RB#7	23.01	PASS
LTE Band 4	3M	QPSK	20175	1RB#14	23.04	PASS
LTE Band 4	3M	QPSK	20175	8RB#0	22.01	PASS
LTE Band 4	3M	QPSK	20175	8RB#4	21.97	PASS
LTE Band 4	3M	QPSK	20175	8RB#7	21.81	PASS
LTE Band 4	3M	QPSK	20175	15RB#0	22.01	PASS
LTE Band 4	3M	QPSK	20385	1RB#0	22.88	PASS
LTE Band 4	3M	QPSK	20385	1RB#7	22.76	PASS
LTE Band 4	3M	QPSK	20385	1RB#14	22.94	PASS
LTE Band 4	3M	QPSK	20385	8RB#0	21.93	PASS
LTE Band 4	3M	QPSK	20385	8RB#4	21.96	PASS
LTE Band 4	3M	QPSK	20385	8RB#7	21.91	PASS
LTE Band 4	3M	QPSK	20385	15RB#0	21.94	PASS
LTE Band 4	3M	16QAM	19965	1RB#0	21.96	PASS
LTE Band 4	3M	16QAM	19965	1RB#7	22.13	PASS
LTE Band 4	3M	16QAM	19965	1RB#14	22.00	PASS
LTE Band 4	3M	16QAM	19965	8RB#0	20.86	PASS
LTE Band 4	3M	16QAM	19965	8RB#4	20.82	PASS
LTE Band 4	3M	16QAM	19965	8RB#7	20.83	PASS
LTE Band 4	3M	16QAM	19965	15RB#0	20.91	PASS
LTE Band 4	3M	16QAM	20175	1RB#0	20.44	PASS
LTE Band 4	3M	16QAM	20175	1RB#7	21.53	PASS
LTE Band 4	3M	16QAM	20175	1RB#14	21.52	PASS
LTE Band 4	3M	16QAM	20175	8RB#0	21.04	PASS
LTE Band 4	3M	16QAM	20175	8RB#4	21.00	PASS
LTE Band 4	3M	16QAM	20175	8RB#7	20.92	PASS
LTE Band 4	3M	16QAM	20175	15RB#0	21.24	PASS
LTE Band 4	3M	16QAM	20385	1RB#0	22.30	PASS
LTE Band 4	3M	16QAM	20385	1RB#7	22.25	PASS
LTE Band 4	3M	16QAM	20385	1RB#14	22.45	PASS



LTE Band 4	3M	16QAM	20385	8RB#0	21.17	PASS
LTE Band 4	3M	16QAM	20385	8RB#4	21.13	PASS
LTE Band 4	3M	16QAM	20385	8RB#7	21.08	PASS
LTE Band 4	3M	16QAM	20385	15RB#0	21.19	PASS
LTE Band 4	5M	QPSK	19975	1RB#0	22.76	PASS
LTE Band 4	5M	QPSK	19975	1RB#13	22.97	PASS
LTE Band 4	5M	QPSK	19975	1RB#24	22.99	PASS
LTE Band 4	5M	QPSK	19975	12RB#0	21.85	PASS
LTE Band 4	5M	QPSK	19975	12RB#6	21.84	PASS
LTE Band 4	5M	QPSK	19975	12RB#13	21.97	PASS
LTE Band 4	5M	QPSK	19975	25RB#0	21.86	PASS
LTE Band 4	5M	QPSK	20175	1RB#0	22.83	PASS
LTE Band 4	5M	QPSK	20175	1RB#13	23.06	PASS
LTE Band 4	5M	QPSK	20175	1RB#24	23.11	PASS
LTE Band 4	5M	QPSK	20175	12RB#0	22.05	PASS
LTE Band 4	5M	QPSK	20175	12RB#6	22.02	PASS
LTE Band 4	5M	QPSK	20175	12RB#13	21.91	PASS
LTE Band 4	5M	QPSK	20175	25RB#0	22.10	PASS
LTE Band 4	5M	QPSK	20375	1RB#0	22.93	PASS
LTE Band 4	5M	QPSK	20375	1RB#13	22.83	PASS
LTE Band 4	5M	QPSK	20375	1RB#24	23.03	PASS
LTE Band 4	5M	QPSK	20375	12RB#0	21.99	PASS
LTE Band 4	5M	QPSK	20375	12RB#6	22.00	PASS
LTE Band 4	5M	QPSK	20375	12RB#13	21.91	PASS
LTE Band 4	5M	QPSK	20375	25RB#0	21.95	PASS
LTE Band 4	5M	16QAM	19975	1RB#0	21.94	PASS
LTE Band 4	5M	16QAM	19975	1RB#13	22.09	PASS
LTE Band 4	5M	16QAM	19975	1RB#24	21.98	PASS
LTE Band 4	5M	16QAM	19975	12RB#0	20.83	PASS
LTE Band 4	5M	16QAM	19975	12RB#6	20.79	PASS
LTE Band 4	5M	16QAM	19975	12RB#13	20.80	PASS
LTE Band 4	5M	16QAM	19975	25RB#0	20.89	PASS
LTE Band 4	5M	16QAM	20175	1RB#0	20.40	PASS
LTE Band 4	5M	16QAM	20175	1RB#13	21.51	PASS
LTE Band 4	5M	16QAM	20175	1RB#24	21.49	PASS
LTE Band 4	5M	16QAM	20175	12RB#0	21.00	PASS
LTE Band 4	5M	16QAM	20175	12RB#6	20.98	PASS
LTE Band 4	5M	16QAM	20175	12RB#13	20.87	PASS
LTE Band 4	5M	16QAM	20175	25RB#0	21.20	PASS
LTE Band 4	5M	16QAM	20375	1RB#0	22.25	PASS
LTE Band 4	5M	16QAM	20375	1RB#13	22.21	PASS
LTE Band 4	5M	16QAM	20375	1RB#24	22.43	PASS
LTE Band 4	5M	16QAM	20375	12RB#0	21.14	PASS



LTE Band 4	5M	16QAM	20375	12RB#6	21.10	PASS
LTE Band 4	5M	16QAM	20375	12RB#13	21.04	PASS
LTE Band 4	5M	16QAM	20375	25RB#0	21.16	PASS
LTE Band 4	10M	QPSK	20000	1RB#0	22.71	PASS
LTE Band 4	10M	QPSK	20000	1RB#25	22.91	PASS
LTE Band 4	10M	QPSK	20000	1RB#49	22.92	PASS
LTE Band 4	10M	QPSK	20000	25RB#0	21.78	PASS
LTE Band 4	10M	QPSK	20000	25RB#13	21.80	PASS
LTE Band 4	10M	QPSK	20000	25RB#25	21.90	PASS
LTE Band 4	10M	QPSK	20000	50RB#0	21.84	PASS
LTE Band 4	10M	QPSK	20175	1RB#0	22.70	PASS
LTE Band 4	10M	QPSK	20175	1RB#25	23.02	PASS
LTE Band 4	10M	QPSK	20175	1RB#49	23.03	PASS
LTE Band 4	10M	QPSK	20175	25RB#0	22.01	PASS
LTE Band 4	10M	QPSK	20175	25RB#13	21.98	PASS
LTE Band 4	10M	QPSK	20175	25RB#25	21.83	PASS
LTE Band 4	10M	QPSK	20175	50RB#0	22.02	PASS
LTE Band 4	10M	QPSK	20350	1RB#0	22.87	PASS
LTE Band 4	10M	QPSK	20350	1RB#25	22.77	PASS
LTE Band 4	10M	QPSK	20350	1RB#49	22.93	PASS
LTE Band 4	10M	QPSK	20350	25RB#0	21.93	PASS
LTE Band 4	10M	QPSK	20350	25RB#13	21.95	PASS
LTE Band 4	10M	QPSK	20350	25RB#25	21.92	PASS
LTE Band 4	10M	QPSK	20350	50RB#0	21.96	PASS
LTE Band 4	10M	16QAM	20000	1RB#0	21.97	PASS
LTE Band 4	10M	16QAM	20000	1RB#25	22.40	PASS
LTE Band 4	10M	16QAM	20000	1RB#49	22.07	PASS
LTE Band 4	10M	16QAM	20175	1RB#0	22.46	PASS
LTE Band 4	10M	16QAM	20175	1RB#25	22.30	PASS
LTE Band 4	10M	16QAM	20175	1RB#49	22.06	PASS
LTE Band 4	10M	16QAM	20350	1RB#0	21.90	PASS
LTE Band 4	10M	16QAM	20350	1RB#25	21.61	PASS
LTE Band 4	10M	16QAM	20350	1RB#49	21.83	PASS
LTE Band 4	15M	QPSK	20025	1RB#0	22.70	PASS
LTE Band 4	15M	QPSK	20025	1RB#38	22.89	PASS
LTE Band 4	15M	QPSK	20025	1RB#74	22.89	PASS
LTE Band 4	15M	QPSK	20025	36RB#0	21.76	PASS
LTE Band 4	15M	QPSK	20025	36RB#18	21.77	PASS
LTE Band 4	15M	QPSK	20025	36RB#39	21.87	PASS
LTE Band 4	15M	QPSK	20025	75RB#0	21.82	PASS
LTE Band 4	15M	QPSK	20175	1RB#0	22.66	PASS
LTE Band 4	15M	QPSK	20175	1RB#38	23.01	PASS
LTE Band 4	15M	QPSK	20175	1RB#74	22.98	PASS

LTE Band 4	15M	QPSK	20175	36RB#0	21.97	PASS
LTE Band 4	15M	QPSK	20175	36RB#18	21.93	PASS
LTE Band 4	15M	QPSK	20175	36RB#39	21.80	PASS
LTE Band 4	15M	QPSK	20175	75RB#0	21.98	PASS
LTE Band 4	15M	QPSK	20325	1RB#0	22.85	PASS
LTE Band 4	15M	QPSK	20325	1RB#38	22.74	PASS
LTE Band 4	15M	QPSK	20325	1RB#74	22.89	PASS
LTE Band 4	15M	QPSK	20325	36RB#0	21.90	PASS
LTE Band 4	15M	QPSK	20325	36RB#18	21.91	PASS
LTE Band 4	15M	QPSK	20325	36RB#39	21.88	PASS
LTE Band 4	15M	QPSK	20325	75RB#0	21.91	PASS
LTE Band 4	15M	16QAM	20025	1RB#0	21.92	PASS
LTE Band 4	15M	16QAM	20025	1RB#38	22.38	PASS
LTE Band 4	15M	16QAM	20025	1RB#74	22.04	PASS
LTE Band 4	15M	16QAM	20175	1RB#0	22.44	PASS
LTE Band 4	15M	16QAM	20175	1RB#38	22.27	PASS
LTE Band 4	15M	16QAM	20175	1RB#74	22.02	PASS
LTE Band 4	15M	16QAM	20325	1RB#0	21.88	PASS
LTE Band 4	15M	16QAM	20325	1RB#38	21.59	PASS
LTE Band 4	15M	16QAM	20325	1RB#74	21.80	PASS
LTE Band 4	20M	QPSK	20050	1RB#0	22.67	PASS
LTE Band 4	20M	QPSK	20050	1RB#50	22.88	PASS
LTE Band 4	20M	QPSK	20050	1RB#99	22.87	PASS
LTE Band 4	20M	QPSK	20050	50RB#0	21.73	PASS
LTE Band 4	20M	QPSK	20050	50RB#25	21.75	PASS
LTE Band 4	20M	QPSK	20050	50RB#50	21.84	PASS
LTE Band 4	20M	QPSK	20050	100RB#0	21.79	PASS
LTE Band 4	20M	QPSK	20175	1RB#0	22.62	PASS
LTE Band 4	20M	QPSK	20175	1RB#50	22.97	PASS
LTE Band 4	20M	QPSK	20175	1RB#99	22.97	PASS
LTE Band 4	20M	QPSK	20175	50RB#0	21.92	PASS
LTE Band 4	20M	QPSK	20175	50RB#25	21.89	PASS
LTE Band 4	20M	QPSK	20175	50RB#50	21.75	PASS
LTE Band 4	20M	QPSK	20175	100RB#0	21.93	PASS
LTE Band 4	20M	QPSK	20300	1RB#0	22.82	PASS
LTE Band 4	20M	QPSK	20300	1RB#50	22.72	PASS
LTE Band 4	20M	QPSK	20300	1RB#99	22.86	PASS
LTE Band 4	20M	QPSK	20300	50RB#0	21.86	PASS
LTE Band 4	20M	QPSK	20300	50RB#25	21.88	PASS
LTE Band 4	20M	QPSK	20300	50RB#50	21.84	PASS
LTE Band 4	20M	QPSK	20300	100RB#0	21.87	PASS
LTE Band 4	20M	16QAM	20050	1RB#0	21.90	PASS
LTE Band 4	20M	16QAM	20050	1RB#50	22.34	PASS

LTE Band 4	20M	16QAM	20050	1RB#99	22.02	PASS
LTE Band 4	20M	16QAM	20175	1RB#0	22.40	PASS
LTE Band 4	20M	16QAM	20175	1RB#50	22.25	PASS
LTE Band 4	20M	16QAM	20175	1RB#99	21.99	PASS
LTE Band 4	20M	16QAM	20300	1RB#0	21.83	PASS
LTE Band 4	20M	16QAM	20300	1RB#50	21.55	PASS
LTE Band 4	20M	16QAM	20300	1RB#99	21.78	PASS

BAND	Bandwidth	Modulation	Channel	RB Configuration	Maximum Output Power(dBm)	Verdict
LTE Band 12	1.4M	QPSK	23017	1RB#0	22.87	PASS
LTE Band 12	1.4M	QPSK	23017	1RB#2	22.93	PASS
LTE Band 12	1.4M	QPSK	23017	1RB#5	23.05	PASS
LTE Band 12	1.4M	QPSK	23017	3RB#0	21.97	PASS
LTE Band 12	1.4M	QPSK	23017	3RB#2	21.93	PASS
LTE Band 12	1.4M	QPSK	23017	3RB#3	21.95	PASS
LTE Band 12	1.4M	QPSK	23017	6RB#0	21.86	PASS
LTE Band 12	1.4M	QPSK	23095	1RB#0	22.94	PASS
LTE Band 12	1.4M	QPSK	23095	1RB#2	23.23	PASS
LTE Band 12	1.4M	QPSK	23095	1RB#5	23.06	PASS
LTE Band 12	1.4M	QPSK	23095	3RB#0	21.93	PASS
LTE Band 12	1.4M	QPSK	23095	3RB#2	21.99	PASS
LTE Band 12	1.4M	QPSK	23095	3RB#3	22.13	PASS
LTE Band 12	1.4M	QPSK	23095	6RB#0	22.06	PASS
LTE Band 12	1.4M	QPSK	23173	1RB#0	23.04	PASS
LTE Band 12	1.4M	QPSK	23173	1RB#2	23.27	PASS
LTE Band 12	1.4M	QPSK	23173	1RB#5	22.98	PASS
LTE Band 12	1.4M	QPSK	23173	3RB#0	22.17	PASS
LTE Band 12	1.4M	QPSK	23173	3RB#2	20.18	PASS
LTE Band 12	1.4M	QPSK	23173	3RB#3	22.06	PASS
LTE Band 12	1.4M	QPSK	23173	6RB#0	22.07	PASS
LTE Band 12	1.4M	16QAM	23017	1RB#0	22.17	PASS
LTE Band 12	1.4M	16QAM	23017	1RB#2	22.35	PASS
LTE Band 12	1.4M	16QAM	23017	1RB#5	21.94	PASS
LTE Band 12	1.4M	16QAM	23017	3RB#0	20.88	PASS
LTE Band 12	1.4M	16QAM	23017	3RB#2	20.90	PASS
LTE Band 12	1.4M	16QAM	23017	3RB#3	20.90	PASS
LTE Band 12	1.4M	16QAM	23017	6RB#0	20.87	PASS
LTE Band 12	1.4M	16QAM	23095	1RB#0	22.17	PASS
LTE Band 12	1.4M	16QAM	23095	1RB#2	22.39	PASS
LTE Band 12	1.4M	16QAM	23095	1RB#5	22.34	PASS
LTE Band 12	1.4M	16QAM	23095	3RB#0	20.91	PASS



LTE Band 12	1.4M	16QAM	23095	3RB#2	21.03	PASS
LTE Band 12	1.4M	16QAM	23095	3RB#3	21.17	PASS
LTE Band 12	1.4M	16QAM	23095	6RB#0	21.02	PASS
LTE Band 12	1.4M	16QAM	23173	1RB#0	22.40	PASS
LTE Band 12	1.4M	16QAM	23173	1RB#2	22.08	PASS
LTE Band 12	1.4M	16QAM	23173	1RB#5	22.21	PASS
LTE Band 12	1.4M	16QAM	23173	3RB#0	20.82	PASS
LTE Band 12	1.4M	16QAM	23173	3RB#2	20.79	PASS
LTE Band 12	1.4M	16QAM	23173	3RB#3	20.77	PASS
LTE Band 12	1.4M	16QAM	23173	6RB#0	20.97	PASS
LTE Band 12	3M	QPSK	23025	1RB#0	22.82	PASS
LTE Band 12	3M	QPSK	23025	1RB#7	22.87	PASS
LTE Band 12	3M	QPSK	23025	1RB#14	22.98	PASS
LTE Band 12	3M	QPSK	23025	8RB#0	21.90	PASS
LTE Band 12	3M	QPSK	23025	8RB#4	21.89	PASS
LTE Band 12	3M	QPSK	23025	8RB#7	21.88	PASS
LTE Band 12	3M	QPSK	23025	15RB#0	21.84	PASS
LTE Band 12	3M	QPSK	23095	1RB#0	22.81	PASS
LTE Band 12	3M	QPSK	23095	1RB#7	23.19	PASS
LTE Band 12	3M	QPSK	23095	1RB#14	22.98	PASS
LTE Band 12	3M	QPSK	23095	8RB#0	21.89	PASS
LTE Band 12	3M	QPSK	23095	8RB#4	21.95	PASS
LTE Band 12	3M	QPSK	23095	8RB#7	22.05	PASS
LTE Band 12	3M	QPSK	23095	15RB#0	21.98	PASS
LTE Band 12	3M	QPSK	23165	1RB#0	22.98	PASS
LTE Band 12	3M	QPSK	23165	1RB#7	23.21	PASS
LTE Band 12	3M	QPSK	23165	1RB#14	22.88	PASS
LTE Band 12	3M	QPSK	23165	8RB#0	22.11	PASS
LTE Band 12	3M	QPSK	23165	8RB#4	20.13	PASS
LTE Band 12	3M	QPSK	23165	8RB#7	22.07	PASS
LTE Band 12	3M	QPSK	23165	15RB#0	22.08	PASS
LTE Band 12	3M	16QAM	23025	1RB#0	22.12	PASS
LTE Band 12	3M	16QAM	23025	1RB#7	22.33	PASS
LTE Band 12	3M	16QAM	23025	1RB#14	21.91	PASS
LTE Band 12	3M	16QAM	23025	8RB#0	20.85	PASS
LTE Band 12	3M	16QAM	23025	8RB#4	20.87	PASS
LTE Band 12	3M	16QAM	23025	8RB#7	20.88	PASS
LTE Band 12	3M	16QAM	23025	15RB#0	20.84	PASS
LTE Band 12	3M	16QAM	23095	1RB#0	22.15	PASS
LTE Band 12	3M	16QAM	23095	1RB#7	22.36	PASS
LTE Band 12	3M	16QAM	23095	1RB#14	22.30	PASS
LTE Band 12	3M	16QAM	23095	8RB#0	20.89	PASS
LTE Band 12	3M	16QAM	23095	8RB#4	20.98	PASS

LTE Band 12	3M	16QAM	23095	8RB#7	21.13	PASS
LTE Band 12	3M	16QAM	23095	15RB#0	20.97	PASS
LTE Band 12	3M	16QAM	23165	1RB#0	22.38	PASS
LTE Band 12	3M	16QAM	23165	1RB#7	22.06	PASS
LTE Band 12	3M	16QAM	23165	1RB#14	22.18	PASS
LTE Band 12	3M	16QAM	23165	8RB#0	20.79	PASS
LTE Band 12	3M	16QAM	23165	8RB#4	20.75	PASS
LTE Band 12	3M	16QAM	23165	8RB#7	20.74	PASS
LTE Band 12	3M	16QAM	23165	15RB#0	20.93	PASS
LTE Band 12	5M	QPSK	23035	1RB#0	22.81	PASS
LTE Band 12	5M	QPSK	23035	1RB#13	22.85	PASS
LTE Band 12	5M	QPSK	23035	1RB#24	22.95	PASS
LTE Band 12	5M	QPSK	23035	12RB#0	21.88	PASS
LTE Band 12	5M	QPSK	23035	12RB#6	21.86	PASS
LTE Band 12	5M	QPSK	23035	12RB#13	21.85	PASS
LTE Band 12	5M	QPSK	23035	25RB#0	21.82	PASS
LTE Band 12	5M	QPSK	23095	1RB#0	22.77	PASS
LTE Band 12	5M	QPSK	23095	1RB#13	23.18	PASS
LTE Band 12	5M	QPSK	23095	1RB#24	22.93	PASS
LTE Band 12	5M	QPSK	23095	12RB#0	21.85	PASS
LTE Band 12	5M	QPSK	23095	12RB#6	21.90	PASS
LTE Band 12	5M	QPSK	23095	12RB#13	22.02	PASS
LTE Band 12	5M	QPSK	23095	25RB#0	21.94	PASS
LTE Band 12	5M	QPSK	23155	1RB#0	22.96	PASS
LTE Band 12	5M	QPSK	23155	1RB#13	23.18	PASS
LTE Band 12	5M	QPSK	23155	1RB#24	22.84	PASS
LTE Band 12	5M	QPSK	23155	12RB#0	22.08	PASS
LTE Band 12	5M	QPSK	23155	12RB#6	20.09	PASS
LTE Band 12	5M	QPSK	23155	12RB#13	22.03	PASS
LTE Band 12	5M	QPSK	23155	25RB#0	22.03	PASS
LTE Band 12	5M	16QAM	23035	1RB#0	22.10	PASS
LTE Band 12	5M	16QAM	23035	1RB#13	22.29	PASS
LTE Band 12	5M	16QAM	23035	1RB#24	21.89	PASS
LTE Band 12	5M	16QAM	23035	12RB#0	20.82	PASS
LTE Band 12	5M	16QAM	23035	12RB#6	20.84	PASS
LTE Band 12	5M	16QAM	23035	12RB#13	20.85	PASS
LTE Band 12	5M	16QAM	23035	25RB#0	20.82	PASS
LTE Band 12	5M	16QAM	23095	1RB#0	22.11	PASS
LTE Band 12	5M	16QAM	23095	1RB#13	22.34	PASS
LTE Band 12	5M	16QAM	23095	1RB#24	22.27	PASS
LTE Band 12	5M	16QAM	23095	12RB#0	20.85	PASS
LTE Band 12	5M	16QAM	23095	12RB#6	20.96	PASS
LTE Band 12	5M	16QAM	23095	12RB#13	21.08	PASS



LTE Band 12	5M	16QAM	23095	25RB#0	20.93	PASS
LTE Band 12	5M	16QAM	23155	1RB#0	22.33	PASS
LTE Band 12	5M	16QAM	23155	1RB#13	22.02	PASS
LTE Band 12	5M	16QAM	23155	1RB#24	22.16	PASS
LTE Band 12	5M	16QAM	23155	12RB#0	20.76	PASS
LTE Band 12	5M	16QAM	23155	12RB#6	20.72	PASS
LTE Band 12	5M	16QAM	23155	12RB#13	20.70	PASS
LTE Band 12	5M	16QAM	23155	25RB#0	20.90	PASS
LTE Band 12	10M	QPSK	23060	1RB#0	22.78	PASS
LTE Band 12	10M	QPSK	23060	1RB#25	22.84	PASS
LTE Band 12	10M	QPSK	23060	1RB#49	22.93	PASS
LTE Band 12	10M	QPSK	23060	25RB#0	21.85	PASS
LTE Band 12	10M	QPSK	23060	25RB#13	21.84	PASS
LTE Band 12	10M	QPSK	23060	25RB#25	21.82	PASS
LTE Band 12	10M	QPSK	23060	50RB#0	21.79	PASS
LTE Band 12	10M	QPSK	23095	1RB#0	22.73	PASS
LTE Band 12	10M	QPSK	23095	1RB#25	23.14	PASS
LTE Band 12	10M	QPSK	23095	1RB#49	22.92	PASS
LTE Band 12	10M	QPSK	23095	25RB#0	21.80	PASS
LTE Band 12	10M	QPSK	23095	25RB#13	21.86	PASS
LTE Band 12	10M	QPSK	23095	25RB#25	21.97	PASS
LTE Band 12	10M	QPSK	23095	50RB#0	21.89	PASS
LTE Band 12	10M	QPSK	23130	1RB#0	22.93	PASS
LTE Band 12	10M	QPSK	23130	1RB#25	23.16	PASS
LTE Band 12	10M	QPSK	23130	1RB#49	22.81	PASS
LTE Band 12	10M	QPSK	23130	25RB#0	22.04	PASS
LTE Band 12	10M	QPSK	23130	25RB#13	20.06	PASS
LTE Band 12	10M	QPSK	23130	25RB#25	21.99	PASS
LTE Band 12	10M	QPSK	23130	50RB#0	21.99	PASS
LTE Band 12	10M	16QAM	23060	1RB#0	21.22	PASS
LTE Band 12	10M	16QAM	23060	1RB#25	21.36	PASS
LTE Band 12	10M	16QAM	23060	1RB#49	21.63	PASS
LTE Band 12	10M	16QAM	23095	1RB#0	21.56	PASS
LTE Band 12	10M	16QAM	23095	1RB#25	22.04	PASS
LTE Band 12	10M	16QAM	23095	1RB#49	21.67	PASS
LTE Band 12	10M	16QAM	23130	1RB#0	22.45	PASS
LTE Band 12	10M	16QAM	23130	1RB#25	22.98	PASS
LTE Band 12	10M	16QAM	23130	1RB#49	22.30	PASS

Radiates Spurious Emission

EC21-ADL

LTE Band 4 QPSK 1.4MHz CH-High, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3500.63	-52.96	2.60	10.15	Vertical	-45.41	-13.00	32.41	45
3	5251.13	-58.48	2.40	11.05	Vertical	-49.83	-13.00	36.83	0
4	7010.00	-57.43	4.50	11.15	Vertical	-50.78	-13.00	37.78	90
5	8762.50	-55.30	5.10	11.35	Vertical	-49.05	-13.00	36.05	315
6	10515.00	-51.62	5.30	11.95	Vertical	-44.97	-13.00	31.97	180
7	12267.50	-48.99	5.50	13.55	Vertical	-40.94	-13.00	27.94	90
8	14020.00	-50.49	6.30	13.75	Vertical	-43.04	-13.00	30.04	90
9	15772.50	-53.62	6.70	13.85	Vertical	-46.47	-13.00	33.47	180
10	17525.00	-49.56	6.80	14.25	Vertical	-42.11	-13.00	29.11	0

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.
2. The worst emission was found in the antenna is Verticalposition.

LTE Band 12 QPSK 1.4MHz CH-Low, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1399.40	-58.27	2.00	10.15	Vertical	-52.27	-13.00	39.27	270
3	2099.10	-64.00	2.50	11.35	Vertical	-57.30	-13.00	44.30	0
4	2798.80	-61.99	4.20	10.85	Vertical	-57.49	-13.00	44.49	0
5	3498.50	-52.35	5.20	11.35	Vertical	-48.35	-13.00	35.35	45
6	4198.20	-60.97	5.50	11.95	Vertical	-56.67	-13.00	43.67	315
7	4897.90	-57.90	5.70	13.55	Vertical	-52.20	-13.00	39.20	90
8	5597.60	-61.20	6.30	13.75	Vertical	-55.90	-13.00	42.90	90
9	6297.30	-57.92	6.80	13.85	Vertical	-53.02	-13.00	40.02	45
10	6997.00	-57.36	6.90	14.25	Vertical	-52.16	-13.00	39.16	270

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.
2. The worst emission was found in the antenna is Vertical position.

EC21-ADL MINIPCIE

LTE Band 4 QPSK 1.4MHz CH-High, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3500.63	-55.91	2.60	10.15	Vertical	-48.36	-13.00	35.36	45
3	5251.13	-56.93	2.40	11.05	Vertical	-48.28	-13.00	35.28	180
4	7010.00	-58.49	4.50	11.15	Vertical	-51.84	-13.00	38.84	90
5	8762.50	-56.75	5.10	11.35	Vertical	-50.50	-13.00	37.50	90
6	10515.00	-52.47	5.30	11.95	Vertical	-45.82	-13.00	32.82	180
7	12267.50	-49.32	5.50	13.55	Vertical	-41.27	-13.00	28.27	45
8	14020.00	-50.54	6.30	13.75	Vertical	-43.09	-13.00	30.09	90
9	15772.50	-51.31	6.70	13.85	Vertical	-44.16	-13.00	31.16	0
10	17525.00	-51.08	6.80	14.25	Vertical	-43.63	-13.00	30.63	0

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is Vertical position.

LTE Band 12 QPSK 1.4MHz CH-Low, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1399.40	-56.89	2.00	10.15	Vertical	-50.89	-13.00	37.89	270
3	2099.10	-60.20	2.50	11.35	Vertical	-53.50	-13.00	40.50	270
4	2798.80	-62.82	4.20	10.85	Vertical	-58.32	-13.00	45.32	0
5	3498.50	-50.83	5.20	11.35	Vertical	-46.83	-13.00	33.83	45
6	4198.20	-60.73	5.50	11.95	Vertical	-56.43	-13.00	43.43	180
7	4897.90	-60.76	5.70	13.55	Vertical	-55.06	-13.00	42.06	90
8	5597.60	-60.20	6.30	13.75	Vertical	-54.90	-13.00	41.90	315
9	6297.30	-57.92	6.80	13.85	Vertical	-53.02	-13.00	40.02	45
10	6997.00	-56.06	6.90	14.25	Vertical	-50.86	-13.00	37.86	0

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is Vertical position.

Main Test Instruments

Date of Testing (Variant): December 4, 2021 ~ December 16, 2021

Name	Manufacturer	Type	Serial Number	Calibration Date	Expiration Date
Wideband radio communication tester	R&S	CMW500	113645	2021-05-15	2022-05-14
Spectrum Analyzer	R&S	FSV30	104028	2021-05-15	2022-05-14
Horn Antenna	Schwarzbeck	BBHA 9120D	1594	2020-12-17	2023-12-16
Software	R&S	EMC32	10.35.10	/	/
Universal Radio Communication Tester	R&S	CMW500	150415	2021-05-15	2022-05-14