

Appendix for LTE Band 41

Product Name: Rugged handheld

Model No: UA60

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	22.50	PASS
Band41	5MHz	QPSK	39675	1RB#12	22.59	PASS
Band41	5MHz	QPSK	39675	1RB#24	22.45	PASS
Band41	5MHz	QPSK	39675	12RB#0	21.50	PASS
Band41	5MHz	QPSK	39675	12RB#6	21.49	PASS
Band41	5MHz	QPSK	39675	12RB#13	21.46	PASS
Band41	5MHz	QPSK	39675	25RB#0	21.43	PASS
Band41	5MHz	16QAM	39675	1RB#0	21.49	PASS
Band41	5MHz	16QAM	39675	1RB#12	21.58	PASS
Band41	5MHz	16QAM	39675	1RB#24	21.38	PASS
Band41	5MHz	16QAM	39675	12RB#0	20.43	PASS
Band41	5MHz	16QAM	39675	12RB#6	20.50	PASS
Band41	5MHz	16QAM	39675	12RB#13	20.39	PASS
Band41	5MHz	16QAM	39675	25RB#0	20.43	PASS
Band41	5MHz	QPSK	40620	1RB#0	22.53	PASS
Band41	5MHz	QPSK	40620	1RB#12	22.63	PASS
Band41	5MHz	QPSK	40620	1RB#24	22.57	PASS
Band41	5MHz	QPSK	40620	12RB#0	21.51	PASS
Band41	5MHz	QPSK	40620	12RB#6	21.53	PASS
Band41	5MHz	QPSK	40620	12RB#13	21.59	PASS
Band41	5MHz	QPSK	40620	25RB#0	21.50	PASS
Band41	5MHz	16QAM	40620	1RB#0	21.51	PASS
Band41	5MHz	16QAM	40620	1RB#12	21.53	PASS
Band41	5MHz	16QAM	40620	1RB#24	21.47	PASS
Band41	5MHz	16QAM	40620	12RB#0	20.59	PASS
Band41	5MHz	16QAM	40620	12RB#6	20.58	PASS
Band41	5MHz	16QAM	40620	12RB#13	20.60	PASS
Band41	5MHz	16QAM	40620	25RB#0	20.54	PASS
Band41	5MHz	QPSK	41565	1RB#0	22.54	PASS
Band41	5MHz	QPSK	41565	1RB#12	22.58	PASS
Band41	5MHz	QPSK	41565	1RB#24	22.59	PASS
Band41	5MHz	QPSK	41565	12RB#0	21.52	PASS
Band41	5MHz	QPSK	41565	12RB#6	21.54	PASS
Band41	5MHz	QPSK	41565	12RB#13	21.61	PASS
Band41	5MHz	QPSK	41565	25RB#0	21.64	PASS
Band41	5MHz	16QAM	41565	1RB#0	21.50	PASS

Band41	5MHz	16QAM	41565	1RB#12	21.53	PASS
Band41	5MHz	16QAM	41565	1RB#24	21.50	PASS
Band41	5MHz	16QAM	41565	12RB#0	20.49	PASS
Band41	5MHz	16QAM	41565	12RB#6	20.52	PASS
Band41	5MHz	16QAM	41565	12RB#13	20.52	PASS
Band41	5MHz	16QAM	41565	25RB#0	20.63	PASS
Band41	10MHz	QPSK	39700	1RB#0	22.45	PASS
Band41	10MHz	QPSK	39700	1RB#24	22.47	PASS
Band41	10MHz	QPSK	39700	1RB#49	22.48	PASS
Band41	10MHz	QPSK	39700	25RB#0	21.52	PASS
Band41	10MHz	QPSK	39700	25RB#12	21.54	PASS
Band41	10MHz	QPSK	39700	25RB#25	21.46	PASS
Band41	10MHz	QPSK	39700	50RB#0	21.44	PASS
Band41	10MHz	16QAM	39700	1RB#0	21.58	PASS
Band41	10MHz	16QAM	39700	1RB#24	21.62	PASS
Band41	10MHz	16QAM	39700	1RB#49	21.61	PASS
Band41	10MHz	16QAM	39700	25RB#0	20.46	PASS
Band41	10MHz	16QAM	39700	25RB#12	20.51	PASS
Band41	10MHz	16QAM	39700	25RB#25	20.48	PASS
Band41	10MHz	16QAM	39700	50RB#0	20.45	PASS
Band41	10MHz	QPSK	40620	1RB#0	22.57	PASS
Band41	10MHz	QPSK	40620	1RB#24	22.67	PASS
Band41	10MHz	QPSK	40620	1RB#49	22.55	PASS
Band41	10MHz	QPSK	40620	25RB#0	21.44	PASS
Band41	10MHz	QPSK	40620	25RB#12	21.51	PASS
Band41	10MHz	QPSK	40620	25RB#25	21.60	PASS
Band41	10MHz	QPSK	40620	50RB#0	21.53	PASS
Band41	10MHz	16QAM	40620	1RB#0	21.51	PASS
Band41	10MHz	16QAM	40620	1RB#24	21.50	PASS
Band41	10MHz	16QAM	40620	1RB#49	21.55	PASS
Band41	10MHz	16QAM	40620	25RB#0	20.62	PASS
Band41	10MHz	16QAM	40620	25RB#12	20.52	PASS
Band41	10MHz	16QAM	40620	25RB#25	20.62	PASS
Band41	10MHz	16QAM	40620	50RB#0	20.55	PASS
Band41	10MHz	QPSK	41540	1RB#0	22.52	PASS
Band41	10MHz	QPSK	41540	1RB#24	22.63	PASS
Band41	10MHz	QPSK	41540	1RB#49	22.61	PASS
Band41	10MHz	QPSK	41540	25RB#0	21.53	PASS
Band41	10MHz	QPSK	41540	25RB#12	21.56	PASS
Band41	10MHz	QPSK	41540	25RB#25	21.68	PASS
Band41	10MHz	QPSK	41540	50RB#0	21.67	PASS
Band41	10MHz	16QAM	41540	1RB#0	21.47	PASS

Band41	10MHz	16QAM	41540	1RB#24	21.48	PASS
Band41	10MHz	16QAM	41540	1RB#49	21.52	PASS
Band41	10MHz	16QAM	41540	25RB#0	20.51	PASS
Band41	10MHz	16QAM	41540	25RB#12	20.52	PASS
Band41	10MHz	16QAM	41540	25RB#25	20.67	PASS
Band41	10MHz	16QAM	41540	50RB#0	20.63	PASS
Band41	15MHz	QPSK	39725	1RB#0	22.29	PASS
Band41	15MHz	QPSK	39725	1RB#38	22.22	PASS
Band41	15MHz	QPSK	39725	1RB#74	22.33	PASS
Band41	15MHz	QPSK	39725	38RB#0	21.44	PASS
Band41	15MHz	QPSK	39725	38RB#18	21.38	PASS
Band41	15MHz	QPSK	39725	38RB#37	21.31	PASS
Band41	15MHz	QPSK	39725	75RB#0	21.44	PASS
Band41	15MHz	16QAM	39725	1RB#0	21.39	PASS
Band41	15MHz	16QAM	39725	1RB#38	21.30	PASS
Band41	15MHz	16QAM	39725	1RB#74	21.22	PASS
Band41	15MHz	16QAM	39725	38RB#0	21.42	PASS
Band41	15MHz	16QAM	39725	38RB#18	21.29	PASS
Band41	15MHz	16QAM	39725	38RB#37	21.31	PASS
Band41	15MHz	16QAM	39725	75RB#0	20.35	PASS
Band41	15MHz	QPSK	40620	1RB#0	22.39	PASS
Band41	15MHz	QPSK	40620	1RB#38	22.38	PASS
Band41	15MHz	QPSK	40620	1RB#74	22.45	PASS
Band41	15MHz	QPSK	40620	38RB#0	21.44	PASS
Band41	15MHz	QPSK	40620	38RB#18	21.43	PASS
Band41	15MHz	QPSK	40620	38RB#37	21.41	PASS
Band41	15MHz	QPSK	40620	75RB#0	21.42	PASS
Band41	15MHz	16QAM	40620	1RB#0	21.34	PASS
Band41	15MHz	16QAM	40620	1RB#38	21.38	PASS
Band41	15MHz	16QAM	40620	1RB#74	21.38	PASS
Band41	15MHz	16QAM	40620	38RB#0	21.43	PASS
Band41	15MHz	16QAM	40620	38RB#18	21.44	PASS
Band41	15MHz	16QAM	40620	38RB#37	21.43	PASS
Band41	15MHz	16QAM	40620	75RB#0	20.45	PASS
Band41	15MHz	QPSK	41515	1RB#0	22.32	PASS
Band41	15MHz	QPSK	41515	1RB#38	22.40	PASS
Band41	15MHz	QPSK	41515	1RB#74	22.46	PASS
Band41	15MHz	QPSK	41515	38RB#0	21.57	PASS
Band41	15MHz	QPSK	41515	38RB#18	21.57	PASS
Band41	15MHz	QPSK	41515	38RB#37	21.53	PASS
Band41	15MHz	QPSK	41515	75RB#0	21.38	PASS
Band41	15MHz	16QAM	41515	1RB#0	21.47	PASS

Band41	15MHz	16QAM	41515	1RB#38	21.37	PASS
Band41	15MHz	16QAM	41515	1RB#74	21.27	PASS
Band41	15MHz	16QAM	41515	38RB#0	21.54	PASS
Band41	15MHz	16QAM	41515	38RB#18	21.42	PASS
Band41	15MHz	16QAM	41515	38RB#37	21.53	PASS
Band41	15MHz	16QAM	41515	75RB#0	20.37	PASS
Band41	20MHz	QPSK	39750	1RB#0	22.26	PASS
Band41	20MHz	QPSK	39750	1RB#49	22.32	PASS
Band41	20MHz	QPSK	39750	1RB#99	22.28	PASS
Band41	20MHz	QPSK	39750	50RB#0	21.38	PASS
Band41	20MHz	QPSK	39750	50RB#25	21.36	PASS
Band41	20MHz	QPSK	39750	50RB#50	21.34	PASS
Band41	20MHz	QPSK	39750	100RB#0	21.33	PASS
Band41	20MHz	16QAM	39750	1RB#0	21.14	PASS
Band41	20MHz	16QAM	39750	1RB#49	21.31	PASS
Band41	20MHz	16QAM	39750	1RB#99	21.17	PASS
Band41	20MHz	16QAM	39750	50RB#0	20.36	PASS
Band41	20MHz	16QAM	39750	50RB#25	20.39	PASS
Band41	20MHz	16QAM	39750	50RB#50	20.33	PASS
Band41	20MHz	16QAM	39750	100RB#0	20.32	PASS
Band41	20MHz	QPSK	40620	1RB#0	22.38	PASS
Band41	20MHz	QPSK	40620	1RB#49	22.38	PASS
Band41	20MHz	QPSK	40620	1RB#99	22.40	PASS
Band41	20MHz	QPSK	40620	50RB#0	21.39	PASS
Band41	20MHz	QPSK	40620	50RB#25	21.40	PASS
Band41	20MHz	QPSK	40620	50RB#50	21.47	PASS
Band41	20MHz	QPSK	40620	100RB#0	21.39	PASS
Band41	20MHz	16QAM	40620	1RB#0	21.50	PASS
Band41	20MHz	16QAM	40620	1RB#49	21.41	PASS
Band41	20MHz	16QAM	40620	1RB#99	21.39	PASS
Band41	20MHz	16QAM	40620	50RB#0	20.45	PASS
Band41	20MHz	16QAM	40620	50RB#25	20.45	PASS
Band41	20MHz	16QAM	40620	50RB#50	20.45	PASS
Band41	20MHz	16QAM	40620	100RB#0	20.44	PASS
Band41	20MHz	QPSK	41490	1RB#0	22.38	PASS
Band41	20MHz	QPSK	41490	1RB#49	22.47	PASS
Band41	20MHz	QPSK	41490	1RB#99	22.73	PASS
Band41	20MHz	QPSK	41490	50RB#0	21.43	PASS
Band41	20MHz	QPSK	41490	50RB#25	21.38	PASS
Band41	20MHz	QPSK	41490	50RB#50	21.50	PASS
Band41	20MHz	QPSK	41490	100RB#0	21.40	PASS
Band41	20MHz	16QAM	41490	1RB#0	21.43	PASS

Band41	20MHz	16QAM	41490	1RB#49	21.31	PASS
Band41	20MHz	16QAM	41490	1RB#99	21.45	PASS
Band41	20MHz	16QAM	41490	50RB#0	20.42	PASS
Band41	20MHz	16QAM	41490	50RB#25	20.42	PASS
Band41	20MHz	16QAM	41490	50RB#50	20.49	PASS
Band41	20MHz	16QAM	41490	100RB#0	20.41	PASS

Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	8.09	13	PASS
Band41	5MHz	QPSK	39675	25RB#0	8.90	13	PASS
Band41	5MHz	16QAM	39675	1RB#0	9.10	13	PASS
Band41	5MHz	16QAM	39675	25RB#0	9.59	13	PASS
Band41	5MHz	QPSK	40620	1RB#0	8.58	13	PASS
Band41	5MHz	QPSK	40620	25RB#0	9.07	13	PASS
Band41	5MHz	16QAM	40620	1RB#0	9.45	13	PASS
Band41	5MHz	16QAM	40620	25RB#0	9.88	13	PASS
Band41	5MHz	QPSK	41565	1RB#0	7.65	13	PASS
Band41	5MHz	QPSK	41565	25RB#0	8.49	13	PASS
Band41	5MHz	16QAM	41565	1RB#0	8.67	13	PASS
Band41	5MHz	16QAM	41565	25RB#0	9.36	13	PASS
Band41	10MHz	QPSK	39700	1RB#0	8.09	13	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.78	13	PASS
Band41	10MHz	16QAM	39700	1RB#0	8.93	13	PASS
Band41	10MHz	16QAM	39700	50RB#0	9.57	13	PASS
Band41	10MHz	QPSK	40620	1RB#0	8.58	13	PASS
Band41	10MHz	QPSK	40620	50RB#0	9.07	13	PASS
Band41	10MHz	16QAM	40620	1RB#0	9.30	13	PASS
Band41	10MHz	16QAM	40620	50RB#0	9.88	13	PASS
Band41	10MHz	QPSK	41540	1RB#0	7.57	13	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.46	13	PASS
Band41	10MHz	16QAM	41540	1RB#0	8.67	13	PASS
Band41	10MHz	16QAM	41540	50RB#0	9.36	13	PASS
Band41	15MHz	QPSK	39725	1RB#0	8.26	13	PASS
Band41	15MHz	QPSK	39725	75RB#0	9.16	13	PASS
Band41	15MHz	16QAM	39725	1RB#0	9.04	13	PASS
Band41	15MHz	16QAM	39725	75RB#0	9.83	13	PASS
Band41	15MHz	QPSK	40620	1RB#0	8.72	13	PASS
Band41	15MHz	QPSK	40620	75RB#0	9.36	13	PASS
Band41	15MHz	16QAM	40620	1RB#0	9.51	13	PASS
Band41	15MHz	16QAM	40620	75RB#0	9.94	13	PASS
Band41	15MHz	QPSK	41515	1RB#0	7.94	13	PASS
Band41	15MHz	QPSK	41515	75RB#0	8.81	13	PASS
Band41	15MHz	16QAM	41515	1RB#0	8.90	13	PASS
Band41	15MHz	16QAM	41515	75RB#0	9.51	13	PASS
Band41	20MHz	QPSK	39750	1RB#0	8.35	13	PASS

Band41	20MHz	QPSK	39750	100RB#0	8.87	13	PASS
Band41	20MHz	16QAM	39750	1RB#0	9.16	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	9.71	13	PASS
Band41	20MHz	QPSK	40620	1RB#0	8.70	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	9.07	13	PASS
Band41	20MHz	16QAM	40620	1RB#0	9.51	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	9.83	13	PASS
Band41	20MHz	QPSK	41490	1RB#0	8.09	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	8.75	13	PASS
Band41	20MHz	16QAM	41490	1RB#0	8.87	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	9.54	13	PASS

Test Graphs



