

1.1 Test Result

Test Band: 41 5MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
64QAM	1	0	22.15	22.21	22.48	/	10.00	32.15	32.21	32.48	33.01	PASS
		13	22.67	22.61	22.80	/	10.00	32.67	32.61	32.80	33.01	PASS
		24	22.37	22.31	22.48	/	10.00	32.37	32.31	32.48	33.01	PASS
	12	0	22.56	22.78	22.90	/	10.00	32.56	32.78	32.90	33.01	PASS
		6	22.37	22.50	22.72	/	10.00	32.37	32.50	32.72	33.01	PASS
		13	22.29	22.42	22.59	/	10.00	32.29	32.42	32.59	33.01	PASS
	25	0	22.32	22.31	22.71	/	10.00	32.32	32.31	32.71	33.01	PASS
16QAM	1	0	21.91	22.94	22.24	/	10.00	31.91	32.94	32.24	33.01	PASS
		13	22.44	22.17	22.59	/	10.00	32.44	32.17	32.59	33.01	PASS
		24	21.95	22.81	22.74	/	10.00	31.95	32.81	32.74	33.01	PASS
	12	0	22.33	22.18	22.64	/	10.00	32.33	32.18	32.64	33.01	PASS
		6	22.06	22.82	22.43	/	10.00	32.06	32.82	32.43	33.01	PASS
		13	22.04	22.87	22.25	/	10.00	32.04	32.87	32.25	33.01	PASS
	25	0	21.93	22.81	22.31	/	10.00	31.93	32.81	32.31	33.01	PASS
QPSK	1	0	21.71	22.55	22.09	/	10.00	31.71	32.55	32.09	33.01	PASS
		13	22.07	22.84	22.46	/	10.00	32.07	32.84	32.46	33.01	PASS
		24	21.58	22.49	22.28	/	10.00	31.58	32.49	32.28	33.01	PASS
	12	0	22.21	22.11	22.60	/	10.00	32.21	32.11	32.60	33.01	PASS
		6	21.97	22.78	22.33	/	10.00	31.97	32.78	32.33	33.01	PASS
		13	21.86	22.83	22.30	/	10.00	31.86	32.83	32.30	33.01	PASS
	25	0	21.86	22.81	22.35	/	10.00	31.86	32.81	32.35	33.01	PASS
Note: 1) dBd = dBi - 2.15 2) EIRP = Conducted output power + Antenna gain (dBi)												

Test Band: 41 10MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
64QAM	1	0	22.26	22.68	22.28	/	10.00	32.26	32.68	32.28	33.01	PASS
		25	22.25	22.87	23.00	/	10.00	32.25	32.87	33.00	33.01	PASS
		49	22.69	22.57	22.76	/	10.00	32.69	32.57	32.76	33.01	PASS
	25	0	22.55	22.77	22.58	/	10.00	32.55	32.77	32.58	33.01	PASS
		13	22.48	22.73	22.76	/	10.00	32.48	32.73	32.76	33.01	PASS
		25	22.56	22.77	22.86	/	10.00	32.56	32.77	32.86	33.01	PASS
	50	0	22.68	22.70	22.71	/	10.00	32.68	32.70	32.71	33.01	PASS
16QAM	1	0	22.08	22.39	22.38	/	10.00	32.08	32.39	32.38	33.01	PASS
		25	22.34	22.12	22.56	/	10.00	32.34	32.12	32.56	33.01	PASS
		49	22.27	22.17	22.83	/	10.00	32.27	32.17	32.83	33.01	PASS
	25	0	22.10	22.99	22.29	/	10.00	32.10	32.99	32.29	33.01	PASS
		13	22.04	22.89	22.34	/	10.00	32.04	32.89	32.34	33.01	PASS
		25	22.08	22.86	22.38	/	10.00	32.08	32.86	32.38	33.01	PASS
	50	0	22.18	22.93	22.32	/	10.00	32.18	32.93	32.32	33.01	PASS
QPSK	1	0	22.07	22.12	22.20	/	10.00	32.07	32.12	32.20	33.01	PASS
		25	21.80	22.83	22.23	/	10.00	31.80	32.83	32.23	33.01	PASS
		49	22.29	22.10	22.62	/	10.00	32.29	32.10	32.62	33.01	PASS
	25	0	22.10	22.04	22.27	/	10.00	32.10	32.04	32.27	33.01	PASS
		13	21.97	22.88	22.32	/	10.00	31.97	32.88	32.32	33.01	PASS
		25	22.04	22.84	22.44	/	10.00	32.04	32.84	32.44	33.01	PASS
	50	0	22.16	22.95	22.31	/	10.00	32.16	32.95	32.31	33.01	PASS
Note:												

- 1) $\text{dBd} = \text{dBi} - 2.15$
- 2) $\text{EIRP} = \text{Conducted output power} + \text{Antenna gain (dBi)}$

2) EIRP = Conducted output power + Antenna gain (dBi)

Test Band: 41 15MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
64QAM	1	0	22.66	22.70	22.52	/	10.00	32.66	32.70	32.52	33.01	PASS
		38	22.90	22.71	22.70	/	10.00	32.90	32.71	32.70	33.01	PASS
		74	22.05	22.84	22.16	/	10.00	32.05	32.84	32.16	33.01	PASS
	36	0	22.35	22.41	22.23	/	10.00	32.35	32.41	32.23	33.01	PASS
		18	22.51	22.53	22.49	/	10.00	32.51	32.53	32.49	33.01	PASS
		39	22.61	22.76	22.60	/	10.00	32.61	32.76	32.60	33.01	PASS
	75	0	22.54	22.62	22.39	/	10.00	32.54	32.62	32.39	33.01	PASS
16QAM	1	0	22.11	22.41	22.53	/	10.00	32.11	32.41	32.53	33.01	PASS
		38	22.24	22.94	22.41	/	10.00	32.24	32.94	32.41	33.01	PASS
		74	22.40	22.91	22.58	/	10.00	32.40	32.91	32.58	33.01	PASS
	36	0	21.95	22.71	21.94	/	10.00	31.95	32.71	31.94	33.01	PASS
		18	21.92	22.77	22.15	/	10.00	31.92	32.77	32.15	33.01	PASS
		39	22.06	22.75	22.31	/	10.00	32.06	32.75	32.31	33.01	PASS
	75	0	22.03	22.79	22.16	/	10.00	32.03	32.79	32.16	33.01	PASS
QPSK	1	0	21.98	22.17	22.12	/	10.00	31.98	32.17	32.12	33.01	PASS
		38	21.95	22.75	22.22	/	10.00	31.95	32.75	32.22	33.01	PASS
		74	22.05	22.84	22.48	/	10.00	32.05	32.84	32.48	33.01	PASS
	36	0	21.91	22.75	22.92	/	10.00	31.91	32.75	32.92	33.01	PASS
		18	21.86	22.76	22.14	/	10.00	31.86	32.76	32.14	33.01	PASS
		39	21.99	22.72	22.31	/	10.00	31.99	32.72	32.31	33.01	PASS
	75	0	22.01	22.81	22.14	/	10.00	32.01	32.81	32.14	33.01	PASS
Note: 1) dBd = dBi - 2.15 2) EIRP = Conducted output power + Antenna gain (dBi)												

Test Band: 41 20MHz Bandwidth												
Modulation	RB Allocation		Conducted Power (dBm)			Antenna gain		EIRP(dBm)			Limit (dBm)	Verdict
	Size	Offset	LCH	MCH	HCH	(dBd)	(dBi)	LCH	MCH	HCH		
64QAM	1	0	22.93	22.23	22.23	/	10.00	32.93	32.23	32.23	33.01	PASS
		50	22.89	22.19	22.63	/	10.00	32.89	32.19	32.63	33.01	PASS
		99	22.94	22.75	22.28	/	10.00	32.94	32.75	32.28	33.01	PASS
	50	0	22.77	22.72	22.17	/	10.00	32.77	32.72	32.17	33.01	PASS
		25	22.80	22.72	22.43	/	10.00	32.80	32.72	32.43	33.01	PASS
		50	22.80	22.03	22.79	/	10.00	32.80	32.03	32.79	33.01	PASS
	100	0	22.86	22.86	22.56	/	10.00	32.86	32.86	32.56	33.01	PASS
16QAM	1	0	22.46	22.37	22.27	/	10.00	32.46	32.37	32.27	33.01	PASS
		50	22.24	22.02	22.31	/	10.00	32.24	32.02	32.31	33.01	PASS
		99	22.70	22.03	22.78	/	10.00	32.70	32.03	32.78	33.01	PASS
	50	0	22.16	22.88	22.03	/	10.00	32.16	32.88	32.03	33.01	PASS
		25	22.01	22.73	22.99	/	10.00	32.01	32.73	32.99	33.01	PASS
		50	22.01	22.79	22.19	/	10.00	32.01	32.79	32.19	33.01	PASS
	100	0	22.17	22.85	22.03	/	10.00	32.17	32.85	32.03	33.01	PASS
22.32	22.24		22.07	/	10.00	32.32	32.24	32.07	33.01	PASS		
QPSK	1	50	22.09	22.72	22.99	/	10.00	32.09	32.72	32.99	33.01	PASS
		99	22.25	22.77	22.53	/	10.00	32.25	32.77	32.53	33.01	PASS
		0	22.10	22.85	22.99	/	10.00	32.10	32.85	32.99	33.01	PASS
	50	25	21.97	22.73	22.02	/	10.00	31.97	32.73	32.02	33.01	PASS
		50	22.04	22.84	22.19	/	10.00	32.04	32.84	32.19	33.01	PASS
	100	0	22.12	22.89	22.09	/	10.00	32.12	32.89	32.09	33.01	PASS
	Note: 1) dBd = dBi - 2.15											

2) EIRP = Conducted output power + Antenna gain (dBi)

Intra-band contiguous CA for LTE Band 41											
Bandwidth (MHz)		Modulation	Power (dBm)			Antenna Gain (dBi)	EIRP (dBm)			Limit (dBm)	Verdict
PCC	SCC		LCH	MCH	HCH		LCH	MCH	HCH		
15	15	QPSK	21.46	21.77	21.7	10.00	31.46	31.77	31.7	33.01	Pass
15	15	16QAM	21.24	21.3	21.16	10.00	31.24	31.3	31.16	33.01	Pass
15	15	64QAM	21.06	21.06	21.07	10.00	31.06	31.06	31.07	33.01	Pass
15	20	QPSK	21.45	21.72	21.64	10.00	31.45	31.72	31.64	33.01	Pass
15	20	16QAM	21.28	21.13	21.14	10.00	31.28	31.13	31.14	33.01	Pass
15	20	64QAM	21.08	21.08	21.07	10.00	31.08	31.08	31.07	33.01	Pass
5	20	QPSK	21.67	21.82	21.5	10.00	31.67	31.82	31.5	33.01	Pass
5	20	16QAM	21.34	21.25	21.27	10.00	31.34	31.25	31.27	33.01	Pass
5	20	64QAM	21.08	21.07	21.08	10.00	31.08	31.07	31.08	33.01	Pass
10	20	QPSK	21.66	21.8	21.68	10.00	31.66	31.8	31.68	33.01	Pass
10	20	16QAM	21.24	21.16	21.4	10.00	31.24	31.16	31.4	33.01	Pass
10	20	64QAM	21.06	21.08	21.06	10.00	31.06	31.08	31.06	33.01	Pass
20	20	QPSK	21.77	21.77	21.7	10.00	31.77	31.77	31.7	33.01	Pass
20	20	16QAM	21.4	21.3	21.38	10.00	31.4	31.3	31.38	33.01	Pass
20	20	64QAM	21.06	21.07	21.06	10.00	31.06	31.07	31.06	33.01	Pass
20	5	QPSK	21.6	21.46	21.8	10.00	31.6	31.46	31.8	33.01	Pass
20	5	16QAM	21.14	21.33	21.2	10.00	31.14	31.33	31.2	33.01	Pass
20	5	64QAM	21.07	21.06	21.06	10.00	31.07	31.06	31.06	33.01	Pass
10	15	QPSK	21.54	21.87	21.67	10.00	31.54	31.87	31.67	33.01	Pass
10	15	16QAM	21.16	21.27	21.3	10.00	31.16	31.27	31.3	33.01	Pass
10	15	64QAM	21.08	21.08	21.08	10.00	31.08	31.08	31.08	33.01	Pass
15	10	QPSK	21.46	21.75	21.82	10.00	31.46	31.75	31.82	33.01	Pass
15	10	16QAM	21.37	21.19	21.28	10.00	31.37	31.19	31.28	33.01	Pass
15	10	64QAM	21.06	21.08	21.07	10.00	31.06	31.08	31.07	33.01	Pass
20	15	QPSK	21.71	21.44	21.62	10.00	31.71	31.44	31.62	33.01	Pass
20	15	16QAM	21.37	21.24	21.38	10.00	31.37	31.24	31.38	33.01	Pass
20	15	64QAM	21.06	21.06	21.08	10.00	31.06	31.06	31.08	33.01	Pass
20	10	QPSK	21.68	21.44	21.51	10.00	31.68	31.44	31.51	33.01	Pass
20	10	16QAM	21.35	21.17	21.19	10.00	31.35	31.17	31.19	33.01	Pass
20	10	64QAM	21.08	21.07	21.07	10.00	31.08	31.07	31.07	33.01	Pass

Intra-band Non-contiguous CA for LTE Band 41											
Bandwidth (MHz)		Modulation	Power (dBm)			Antenna Gain (dBi)	EIRP (dBm)			Limit (dBm)	Verdict
PCC	SCC		LCH	MCH	HCH		LCH	MCH	HCH		
10	10	QPSK	21.44	/	/		31.44	/	/	33.01	Pass

10	10	16QAM	21.2	/	/		31.2	/	/	33.01	Pass
10	10	64QAM	21.08	/	/		31.08	/	/	33.01	Pass
10	15	QPSK	21.49	/	/		31.49	/	/	33.01	Pass
10	15	16QAM	21.21	/	/		31.21	/	/	33.01	Pass
10	15	64QAM	21.07	/	/		31.07	/	/	33.01	Pass
10	20	QPSK	21.6	/	/		31.6	/	/	33.01	Pass
10	20	16QAM	21.28	/	/		31.28	/	/	33.01	Pass
10	20	64QAM	21.08	/	/		31.08	/	/	33.01	Pass
15	10	QPSK	21.57	/	/		31.57	/	/	33.01	Pass
15	10	16QAM	21.11	/	/		31.11	/	/	33.01	Pass
15	10	64QAM	21.08	/	/		31.08	/	/	33.01	Pass
15	15	QPSK	21.5	/	/		31.5	/	/	33.01	Pass
15	15	16QAM	21.38	/	/		31.38	/	/	33.01	Pass
15	15	64QAM	21.07	/	/		31.07	/	/	33.01	Pass
15	20	QPSK	21.6	/	/		31.6	/	/	33.01	Pass
15	20	16QAM	21.32	/	/		31.32	/	/	33.01	Pass
15	20	64QAM	21.06	/	/		31.06	/	/	33.01	Pass
20	10	QPSK	21.87	/	/		31.87	/	/	33.01	Pass
20	10	16QAM	21.34	/	/		31.34	/	/	33.01	Pass
20	10	64QAM	21.08	/	/		31.08	/	/	33.01	Pass
20	15	QPSK	21.7	/	/		31.7	/	/	33.01	Pass
20	15	16QAM	21.21	/	/		31.21	/	/	33.01	Pass
20	15	64QAM	21.06	/	/		31.06	/	/	33.01	Pass
20	20	QPSK	21.58	/	/		31.58	/	/	33.01	Pass
20	20	16QAM	21.3	/	/		31.3	/	/	33.01	Pass
20	20	64QAM	21.07	/	/		31.07	/	/	33.01	Pass
5	5	QPSK	21.55	/	/		31.55	/	/	33.01	Pass
5	5	16QAM	21.32	/	/		31.32	/	/	33.01	Pass
5	5	64QAM	21.06	/	/		31.06	/	/	33.01	Pass
5	10	QPSK	21.89	/	/		31.89	/	/	33.01	Pass
5	10	16QAM	21.13	/	/		31.13	/	/	33.01	Pass
5	10	64QAM	21.08	/	/		31.08	/	/	33.01	Pass
5	15	QPSK	21.53	/	/		31.53	/	/	33.01	Pass
5	15	16QAM	21.17	/	/		31.17	/	/	33.01	Pass
5	15	64QAM	21.08	/	/		31.08	/	/	33.01	Pass
5	20	QPSK	21.56	/	/		31.56	/	/	33.01	Pass
5	20	16QAM	21.36	/	/		31.36	/	/	33.01	Pass
5	20	64QAM	21.07	/	/		31.07	/	/	33.01	Pass
10	5	QPSK	21.89	/	/		31.89	/	/	33.01	Pass
10	5	16QAM	21.34	/	/		31.34	/	/	33.01	Pass
10	5	64QAM	21.08	/	/		31.08	/	/	33.01	Pass
15	5	QPSK	21.58	/	/		31.58	/	/	33.01	Pass
15	5	16QAM	21.33	/	/		31.33	/	/	33.01	Pass
15	5	64QAM	21.08	/	/		31.08	/	/	33.01	Pass

20	5	QPSK	21.89	/	/		31.89	/	/	33.01	Pass
20	5	16QAM	21.38	/	/		31.38	/	/	33.01	Pass
20	5	64QAM	21.08	/	/		31.08	/	/	33.01	Pass