

# 1. Effective (Isotropic) Radiated Power Output Data

## 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			
QPSK	1	0	20.95	19.85	23.21	/	4	24.95	23.85	27.21	33	PASS	
		13	21.06	20.17	23.76	/	4	25.06	24.17	27.76	33	PASS	
		24	20.69	19.91	23.51	/	4	24.69	23.91	27.51	33	PASS	
	12	0	21.39	20.43	23.77	/	4	25.39	24.43	27.77	33	PASS	
		6	21.06	20.19	23.75	/	4	25.06	24.19	27.75	33	PASS	
		13	20.97	20.09	23.77	/	4	24.97	24.09	27.77	33	PASS	
	25	0	21.03	20.13	23.5	/	4	25.03	24.13	27.5	33	PASS	
	16QAM	1	0	20.93	19.74	23.31	/	4	24.93	23.74	27.31	33	PASS
			13	21.33	20.21	23.54	/	4	25.33	24.21	27.54	33	PASS
24			20.91	19.92	23.69	/	4	24.91	23.92	27.69	33	PASS	
12		0	21.35	20.44	23.35	/	4	25.35	24.44	27.35	33	PASS	
		6	21.09	20.08	23.28	/	4	25.09	24.08	27.28	33	PASS	
		13	20.95	19.93	23.29	/	4	24.95	23.93	27.29	33	PASS	
25		0	21.04	20.06	23.48	/	4	25.04	24.06	27.48	33	PASS	
64QAM		1	0	20.88	20.12	22.92	/	4	24.88	24.12	26.92	33	PASS
			13	21.24	20.42	23.49	/	4	25.24	24.42	27.49	33	PASS
	24		20.65	19.91	23.46	/	4	24.65	23.91	27.46	33	PASS	
	12	0	21.27	20.43	23.45	/	4	25.27	24.43	27.45	33	PASS	
		6	20.95	20.14	23.26	/	4	24.95	24.14	27.26	33	PASS	
		13	20.88	20.07	23.34	/	4	24.88	24.07	27.34	33	PASS	
	25	0	21.03	20.16	23.21	/	4	25.03	24.16	27.21	33	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			
QPSK	1	0	20.86	20	23.1	/	4	24.86	24	27.1	33	PASS	
		25	20.75	19.88	23.54	/	4	24.75	23.88	27.54	33	PASS	
		49	20.9	19.89	23.76	/	4	24.9	23.89	27.76	33	PASS	
	25	0	21.06	20.04	23.22	/	4	25.06	24.04	27.22	33	PASS	
		13	20.91	20.09	23.39	/	4	24.91	24.09	27.39	33	PASS	
		25	20.84	20.09	23.7	/	4	24.84	24.09	27.7	33	PASS	
	50	0	21.03	20.05	23.34	/	4	25.03	24.05	27.34	33	PASS	
	16QAM	1	0	20.84	19.76	22.98	/	4	24.84	23.76	26.98	33	PASS
			25	20.74	20.33	23.15	/	4	24.74	24.33	27.15	33	PASS
49			20.83	19.73	23.38	/	4	24.83	23.73	27.38	33	PASS	
25		0	20.8	19.95	23.16	/	4	24.8	23.95	27.16	33	PASS	
		13	20.88	20.05	23.16	/	4	24.88	24.05	27.16	33	PASS	
		25	20.7	19.96	23.23	/	4	24.7	23.96	27.23	33	PASS	
50		0	20.73	19.89	23.27	/	4	24.73	23.89	27.27	33	PASS	
64QAM		1	0	21.26	20.33	23.18	/	4	25.26	24.33	27.18	33	PASS
			25	21.07	19.68	23.03	/	4	25.07	23.68	27.03	33	PASS
	49		20.65	20.12	23.56	/	4	24.65	24.12	27.56	33	PASS	
	25	0	20.8	19.88	23.18	/	4	24.8	23.88	27.18	33	PASS	
		13	20.88	20.02	23.22	/	4	24.88	24.02	27.22	33	PASS	
		25	20.73	20.02	23.21	/	4	24.73	24.02	27.21	33	PASS	
	50	0	20.77	19.98	23.13	/	4	24.77	23.98	27.13	33	PASS	

Note:

- 1) dBd = dBi - 2.15  
 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		
QPSK	1	0	20.99	20.14	22.78	/	4	24.99	24.14	26.78	33	PASS
		38	20.83	20.07	23.41	/	4	24.83	24.07	27.41	33	PASS
		74	20.73	19.91	23.78	/	4	24.73	23.91	27.78	33	PASS
	36	0	20.8	19.96	23	/	4	24.8	23.96	27	33	PASS
		18	20.85	20.07	23.35	/	4	24.85	24.07	27.35	33	PASS
		39	20.9	19.94	23.58	/	4	24.9	23.94	27.58	33	PASS
	75	0	21.01	20.09	23.41	/	4	25.01	24.09	27.41	33	PASS
			20.9	20.48	22.64	/	4	24.9	24.48	26.64	33	PASS
	16QAM	1	38	20.76	20.29	23.1	/	4	24.76	24.29	27.1	33
74			20.56	20.12	23.45	/	4	24.56	24.12	27.45	33	PASS
0			20.77	20.02	22.58	/	4	24.77	24.02	26.58	33	PASS
36		18	20.78	20.06	23.06	/	4	24.78	24.06	27.06	33	PASS
		39	20.74	20	23.32	/	4	24.74	24	27.32	33	PASS
		0	20.83	20.01	23.17	/	4	24.83	24.01	27.17	33	PASS
75		0	21.24	20.42	22.59	/	4	25.24	24.42	26.59	33	PASS
			20.79	20.33	22.96	/	4	24.79	24.33	26.96	33	PASS
64QAM		1	74	20.83	19.69	23.27	/	4	24.83	23.69	27.27	33
	0		20.7	19.93	22.68	/	4	24.7	23.93	26.68	33	PASS
	18		20.79	20	23.16	/	4	24.79	24	27.16	33	PASS
	36	39	20.72	20.07	23.17	/	4	24.72	24.07	27.17	33	PASS
		0	20.85	20.05	23	/	4	24.85	24.05	27	33	PASS
		75	0	20.85	20.05	23	/	4	24.85	24.05	27	33

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		
QPSK	1	0	21.23	20.32	22.48	/	4	25.23	24.32	26.48	33	PASS
		50	21.03	20.33	23.04	/	4	25.03	24.33	27.04	33	PASS
		99	20.88	20.17	23.65	/	4	24.88	24.17	27.65	33	PASS
	50	0	21.03	20.3	22.69	/	4	25.03	24.3	26.69	33	PASS
		25	21.09	20.27	23.07	/	4	25.09	24.27	27.07	33	PASS
		50	20.92	20.03	23.61	/	4	24.92	24.03	27.61	33	PASS
	100	0	21.05	20.26	23.09	/	4	25.05	24.26	27.09	33	PASS
			21.13	20.34	22.51	/	4	25.13	24.34	26.51	33	PASS
	16QAM	1	50	20.92	19.87	23.36	/	4	24.92	23.87	27.36	33
99			21.11	20.28	23.83	/	4	25.11	24.28	27.83	33	PASS
0			20.93	20.21	22.71	/	4	24.93	24.21	26.71	33	PASS
50		25	20.99	20.18	22.92	/	4	24.99	24.18	26.92	33	PASS
		50	20.85	20.04	23.45	/	4	24.85	24.04	27.45	33	PASS
		0	20.94	20.17	23.08	/	4	24.94	24.17	27.08	33	PASS
100		0	21.32	20.54	22.23	/	4	25.32	24.54	26.23	33	PASS
			21.06	20.47	23.17	/	4	25.06	24.47	27.17	33	PASS
64QAM		1	99	20.97	20.38	23.79	/	4	24.97	24.38	27.79	33
	0		20.92	20.18	22.56	/	4	24.92	24.18	26.56	33	PASS
	25		21.02	20.15	22.93	/	4	25.02	24.15	26.93	33	PASS
	50	50	20.85	20.14	23.26	/	4	24.85	24.14	27.26	33	PASS
		0	20.97	20.17	23.06	/	4	24.97	24.17	27.06	33	PASS
		100	0	20.97	20.17	23.06	/	4	24.97	24.17	27.06	33

Note:  
 1) dBd = dBi - 2.15

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

Test Band: 48_ 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		
QPSK	1	0	21.54	21.54	21.3	/	5	26.54	26.54	26.3	30	PASS
		13	21.52	21.3	21.45	/	5	26.52	26.3	26.45	30	PASS
		24	21.23	21.51	21.38	/	5	26.23	26.51	26.38	30	PASS
	12	0	21.11	21.42	21.45	/	5	26.11	26.42	26.45	30	PASS
		6	21.45	21.24	21.28	/	5	26.45	26.24	26.28	30	PASS
		13	21.25	21.52	21.29	/	5	26.25	26.52	26.29	30	PASS
25	0	21.5	21.4	21.52	/	5	26.5	26.4	26.52	30	PASS	
16QAM	1		21.15	21.48	21.33	/	5	26.15	26.48	26.33	30	PASS
		13	21.18	21.42	21.28	/	5	26.18	26.42	26.28	30	PASS
		24	21.24	21.14	21.26	/	5	26.24	26.14	26.26	30	PASS
	12	0	21.36	21.4	21.29	/	5	26.36	26.4	26.29	30	PASS
		6	21.37	21.28	21.13	/	5	26.37	26.28	26.13	30	PASS
		13	21.13	21.21	21.25	/	5	26.13	26.21	26.25	30	PASS
25	0	21.54	21.12	21.48	/	5	26.54	26.12	26.48	30	PASS	
64QAM	1		21.49	21.32	21.33	/	5	26.49	26.32	26.33	30	PASS
		13	21.49	21.43	21.31	/	5	26.49	26.43	26.31	30	PASS
		24	21.45	21.5	21.11	/	5	26.45	26.5	26.11	30	PASS
	12	0	21.31	21.31	21.49	/	5	26.31	26.31	26.49	30	PASS
		6	21.13	21.26	21.3	/	5	26.13	26.26	26.3	30	PASS
		13	21.34	21.41	21.26	/	5	26.34	26.41	26.26	30	PASS
25	0	21.55	21.37	21.11	/	5	26.55	26.37	26.11	30	PASS	

Note:  
1) dBd = dBi - 2.15  
2) EIRP = Conducted output power + Antenna gain (dBi)

Test Band: 48_ 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		
QPSK	1	0	21.26	21.12	21.39	/	5	26.26	26.12	26.39	30	PASS
		25	21.25	21.46	21.26	/	5	26.25	26.46	26.26	30	PASS
		49	21.44	21.26	21.44	/	5	26.44	26.26	26.44	30	PASS
	25	0	21.31	21.2	21.21	/	5	26.31	26.2	26.21	30	PASS
		13	21.53	21.18	21.54	/	5	26.53	26.18	26.54	30	PASS
		25	21.48	21.24	21.27	/	5	26.48	26.24	26.27	30	PASS
50	0	21.26	21.31	21.42	/	5	26.26	26.31	26.42	30	PASS	
16QAM	1		21.23	21.34	21.52	/	5	26.23	26.34	26.52	30	PASS
		25	21.32	21.2	21.23	/	5	26.32	26.2	26.23	30	PASS
		49	21.37	21.27	21.21	/	5	26.37	26.27	26.21	30	PASS
	25	0	21.21	21.49	21.11	/	5	26.21	26.49	26.11	30	PASS
		13	21.35	21.38	21.35	/	5	26.35	26.38	26.35	30	PASS
		25	21.24	21.35	21.51	/	5	26.24	26.35	26.51	30	PASS
50	0	21.23	21.47	21.39	/	5	26.23	26.47	26.39	30	PASS	
64QAM	1		21.16	21.11	21.15	/	5	26.16	26.11	26.15	30	PASS
		25	21.55	21.29	21.33	/	5	26.55	26.29	26.33	30	PASS
		49	21.51	21.53	21.51	/	5	26.51	26.53	26.51	30	PASS
	25	0	21.25	21.14	21.19	/	5	26.25	26.14	26.19	30	PASS
		13	21.13	21.25	21.45	/	5	26.13	26.25	26.45	30	PASS
		25	21.32	21.19	21.35	/	5	26.32	26.19	26.35	30	PASS
50	0	21.18	21.13	21.29	/	5	26.18	26.13	26.29	30	PASS	

Note:  
1) dBd = dBi - 2.15  
2) EIRP = Conducted output power + Antenna gain (dBi)

Test Band: 48 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			
QPSK	1	0	20.21	20.12	20.51	/	5	25.21	25.12	25.51	30	PASS	
		38	20.31	20.29	20.55	/	5	25.31	25.29	25.55	30	PASS	
		74	20.53	20.53	20.43	/	5	25.53	25.53	25.43	30	PASS	
	36	0	20.45	20.12	20.23	/	5	25.45	25.12	25.23	30	PASS	
		18	20.44	20.46	20.38	/	5	25.44	25.46	25.38	30	PASS	
		39	20.26	20.43	20.45	/	5	25.26	25.43	25.45	30	PASS	
	75	0	20.45	20.37	20.35	/	5	25.45	25.37	25.35	30	PASS	
	16QAM	1	0	20.13	20.27	20.27	/	5	25.13	25.27	25.27	30	PASS
			38	20.39	20.29	20.38	/	5	25.39	25.29	25.38	30	PASS
74			20.39	20.11	20.21	/	5	25.39	25.11	25.21	30	PASS	
36		0	20.16	20.2	20.22	/	5	25.16	25.2	25.22	30	PASS	
		18	20.12	20.2	20.27	/	5	25.12	25.2	25.27	30	PASS	
		39	20.41	20.12	20.17	/	5	25.41	25.12	25.17	30	PASS	
75		0	20.2	20.49	20.52	/	5	25.2	25.49	25.52	30	PASS	
64QAM		1	0	20.24	20.33	20.4	/	5	25.24	25.33	25.4	30	PASS
			38	20.37	20.13	20.24	/	5	25.37	25.13	25.24	30	PASS
	74		20.54	20.23	20.41	/	5	25.54	25.23	25.41	30	PASS	
	36	0	20.45	20.34	20.44	/	5	25.45	25.34	25.44	30	PASS	
		18	20.47	20.13	20.31	/	5	25.47	25.13	25.31	30	PASS	
		39	20.53	20.36	20.32	/	5	25.53	25.36	25.32	30	PASS	
	75	0	20.44	20.26	20.39	/	5	25.44	25.26	25.39	30	PASS	

Note:  
1) dBd = dBi - 2.15  
2) EIRP = Conducted output power + Antenna gain (dBi)

Test Band: 48 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			
QPSK	1	0	19.19	19.53	19.22	/	5	24.19	24.53	24.22	30	PASS	
		50	19.43	19.34	19.33	/	5	24.43	24.34	24.33	30	PASS	
		99	19.34	19.49	19.55	/	5	24.34	24.49	24.55	30	PASS	
	50	0	19.46	19.28	19.49	/	5	24.46	24.28	24.49	30	PASS	
		25	19.12	19.13	19.38	/	5	24.12	24.13	24.38	30	PASS	
		50	19.27	19.51	19.38	/	5	24.27	24.51	24.38	30	PASS	
16QAM	1	0	19.41	19.26	19.18	/	5	24.41	24.26	24.18	30	PASS	
		50	19.31	19.25	19.15	/	5	24.31	24.25	24.15	30	PASS	
		99	19.39	19.43	19.36	/	5	24.39	24.43	24.36	30	PASS	
	50	0	19.23	19.26	19.51	/	5	24.23	24.26	24.51	30	PASS	
		25	19.11	19.39	19.34	/	5	24.11	24.39	24.34	30	PASS	
		50	19.43	19.38	19.53	/	5	24.43	24.38	24.53	30	PASS	
	100	0	19.13	19.25	19.41	/	5	24.13	24.25	24.41	30	PASS	
	64QAM	1	0	19.45	19.26	19.47	/	5	24.45	24.26	24.47	30	PASS
			50	19.4	19.21	19.31	/	5	24.4	24.21	24.31	30	PASS
99			19.3	19.54	19.14	/	5	24.3	24.54	24.14	30	PASS	
50		0	19.11	19.51	19.26	/	5	24.11	24.51	24.26	30	PASS	
		25	19.23	19.47	19.34	/	5	24.23	24.47	24.34	30	PASS	
		50	19.38	19.22	19.13	/	5	24.38	24.22	24.13	30	PASS	
100		0	19.36	19.46	19.23	/	5	24.36	24.46	24.23	30	PASS	

Note:  
1) dBd = dBi - 2.15  
2) EIRP = Conducted output power + Antenna gain (dBi)