

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B42_5MHz_EIRP

Band: 42a / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	3452.5	1	0	17.76	3.30	21.06	<=30	Pass
			13	17.95	3.30	21.25	<=30	Pass
			24	17.88	3.30	21.18	<=30	Pass
		12	0	17.87	3.30	21.17	<=30	Pass
			6	17.83	3.30	21.13	<=30	Pass
			13	17.96	3.30	21.26	<=30	Pass
		25	0	18.03	3.30	21.33	<=30	Pass
			0	18.63	3.30	21.93	<=30	Pass
			13	18.62	3.30	21.92	<=30	Pass
	3500	1	24	18.60	3.30	21.90	<=30	Pass
			0	18.74	3.30	22.04	<=30	Pass
			6	18.66	3.30	21.96	<=30	Pass
		12	13	18.66	3.30	21.96	<=30	Pass
			0	18.60	3.30	21.90	<=30	Pass
			13	18.20	3.30	21.50	<=30	Pass
		25	0	18.22	3.30	21.52	<=30	Pass
			0	18.04	3.30	21.34	<=30	Pass
			13	18.29	3.30	21.59	<=30	Pass
	3547.5	1	24	18.30	3.30	21.60	<=30	Pass
			0	18.01	3.30	21.31	<=30	Pass
			6	18.27	3.30	21.57	<=30	Pass
		12	13	18.20	3.30	21.50	<=30	Pass
			0	18.22	3.30	21.52	<=30	Pass
			13	18.06	3.30	21.36	<=30	Pass
		25	0	18.01	3.30	21.31	<=30	Pass
			6	18.01	3.30	21.31	<=30	Pass
			13	18.20	3.30	21.50	<=30	Pass
16QAM	3452.5	1	24	17.90	3.30	21.20	<=30	Pass
			0	18.06	3.30	21.36	<=30	Pass
			6	18.01	3.30	21.31	<=30	Pass
		12	13	18.20	3.30	21.50	<=30	Pass
			0	18.14	3.30	21.44	<=30	Pass
			13	18.06	3.30	21.36	<=30	Pass
		25	0	18.68	3.30	21.98	<=30	Pass
			13	18.63	3.30	21.93	<=30	Pass
			24	18.52	3.30	21.82	<=30	Pass
	3500	1	0	18.73	3.30	22.03	<=30	Pass
			6	18.68	3.30	21.98	<=30	Pass
			13	18.82	3.30	22.12	<=30	Pass
		12	0	18.73	3.30	22.03	<=30	Pass
			6	18.41	3.30	21.71	<=30	Pass
			13	18.20	3.30	21.50	<=30	Pass
		25	0	18.08	3.30	21.38	<=30	Pass
			0	18.11	3.30	21.41	<=30	Pass
			13	18.25	3.30	21.55	<=30	Pass
	3547.5	1	24	18.29	3.30	21.59	<=30	Pass
			0	18.02	3.30	21.32	<=30	Pass
			6	18.41	3.30	21.71	<=30	Pass
		12	13	18.20	3.30	21.50	<=30	Pass
			0	18.08	3.30	21.38	<=30	Pass
			13	18.02	3.30	21.32	<=30	Pass
		25	0	18.02	3.30	21.32	<=30	Pass
			13	18.24	3.30	21.54	<=30	Pass
			24	18.34	3.30	21.64	<=30	Pass
64QAM	3452.5	1	0	18.02	3.30	21.32	<=30	Pass
			13	18.24	3.30	21.54	<=30	Pass
			24	18.34	3.30	21.64	<=30	Pass
		12	0	18.22	3.30	21.52	<=30	Pass

		25	6	18.23	3.30	21.53	<=30	Pass
			13	18.24	3.30	21.54	<=30	Pass
			0	18.37	3.30	21.67	<=30	Pass
	3500	1	0	18.69	3.30	21.99	<=30	Pass
			13	18.72	3.30	22.02	<=30	Pass
			24	18.81	3.30	22.11	<=30	Pass
		12	0	18.69	3.30	21.99	<=30	Pass
			6	18.79	3.30	22.09	<=30	Pass
			13	18.99	3.30	22.29	<=30	Pass
		25	0	18.68	3.30	21.98	<=30	Pass
	3547.5	1	0	17.97	3.30	21.27	<=30	Pass
			13	18.26	3.30	21.56	<=30	Pass
			24	18.32	3.30	21.62	<=30	Pass
		12	0	18.20	3.30	21.50	<=30	Pass
			6	18.31	3.30	21.61	<=30	Pass
		13	18.38	3.30	21.68	<=30	Pass	
	25	0	18.21	3.30	21.51	<=30	Pass	
256QAM	3452.5	1	0	16.31	3.30	19.61	<=30	Pass
			13	16.19	3.30	19.49	<=30	Pass
			24	16.23	3.30	19.53	<=30	Pass
		12	0	16.32	3.30	19.62	<=30	Pass
			6	16.32	3.30	19.62	<=30	Pass
			13	16.39	3.30	19.69	<=30	Pass
		25	0	16.12	3.30	19.42	<=30	Pass
	3500	1	0	16.75	3.30	20.05	<=30	Pass
			13	16.90	3.30	20.20	<=30	Pass
			24	16.95	3.30	20.25	<=30	Pass
		12	0	16.62	3.30	19.92	<=30	Pass
			6	16.89	3.30	20.19	<=30	Pass
			13	17.03	3.30	20.33	<=30	Pass
	25	0	16.83	3.30	20.13	<=30	Pass	
	3547.5	1	0	16.24	3.30	19.54	<=30	Pass
			13	16.13	3.30	19.43	<=30	Pass
			24	16.16	3.30	19.46	<=30	Pass
		12	0	16.22	3.30	19.52	<=30	Pass
			6	16.20	3.30	19.50	<=30	Pass
			13	16.40	3.30	19.70	<=30	Pass
	25	0	16.05	3.30	19.35	<=30	Pass	
Note1: EIRP=Conducted Power+Antenna Gain								
2. Gain=Antenna gain-antenna cable loss=(4.2-0.9)dBi=3.3dBi								

1.1.2 B42_10MHz_EIRP

Band: 42a / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	3455	1	0	17.89	3.30	21.19	<=30	Pass
			25	18.14	3.30	21.44	<=30	Pass
			49	18.23	3.30	21.53	<=30	Pass
		25	0	18.15	3.30	21.45	<=30	Pass
			13	18.26	3.30	21.56	<=30	Pass
			25	18.40	3.30	21.70	<=30	Pass
		50	0	18.32	3.30	21.62	<=30	Pass
	3500	1	0	18.55	3.30	21.85	<=30	Pass

		25	25	18.64	3.30	21.94	<=30	Pass	
			49	18.54	3.30	21.84	<=30	Pass	
			0	18.75	3.30	22.05	<=30	Pass	
			13	18.75	3.30	22.05	<=30	Pass	
			25	18.79	3.30	22.09	<=30	Pass	
			50	0	18.66	3.30	21.96	<=30	Pass
	3545	1	0	17.80	3.30	21.10	<=30	Pass	
			25	18.03	3.30	21.33	<=30	Pass	
			49	18.14	3.30	21.44	<=30	Pass	
		25	0	17.99	3.30	21.29	<=30	Pass	
			13	18.12	3.30	21.42	<=30	Pass	
			25	18.31	3.30	21.61	<=30	Pass	
	50	0	18.18	3.30	21.48	<=30	Pass		
	16QAM	3455	1	0	18.03	3.30	21.33	<=30	Pass
25				18.11	3.30	21.41	<=30	Pass	
49				18.34	3.30	21.64	<=30	Pass	
25			0	18.20	3.30	21.50	<=30	Pass	
			13	18.16	3.30	21.46	<=30	Pass	
			25	18.34	3.30	21.64	<=30	Pass	
50			0	18.23	3.30	21.53	<=30	Pass	
3500			1	0	18.50	3.30	21.80	<=30	Pass
				25	18.65	3.30	21.95	<=30	Pass
		49		18.66	3.30	21.96	<=30	Pass	
		25	0	18.62	3.30	21.92	<=30	Pass	
			13	18.71	3.30	22.01	<=30	Pass	
			25	18.64	3.30	21.94	<=30	Pass	
		50	0	18.77	3.30	22.07	<=30	Pass	
3545		1	0	18.03	3.30	21.33	<=30	Pass	
			25	18.00	3.30	21.30	<=30	Pass	
			49	18.16	3.30	21.46	<=30	Pass	
		25	0	18.01	3.30	21.31	<=30	Pass	
			13	18.16	3.30	21.46	<=30	Pass	
			25	18.35	3.30	21.65	<=30	Pass	
50		0	18.11	3.30	21.41	<=30	Pass		
64QAM	3455	1	0	18.27	3.30	21.57	<=30	Pass	
			25	18.29	3.30	21.59	<=30	Pass	
			49	18.43	3.30	21.73	<=30	Pass	
		25	0	18.44	3.30	21.74	<=30	Pass	
			13	18.57	3.30	21.87	<=30	Pass	
			25	18.47	3.30	21.77	<=30	Pass	
		50	0	18.34	3.30	21.64	<=30	Pass	
		3500	1	0	18.51	3.30	21.81	<=30	Pass
				25	18.77	3.30	22.07	<=30	Pass
	49			18.65	3.30	21.95	<=30	Pass	
	25		0	18.76	3.30	22.06	<=30	Pass	
			13	18.86	3.30	22.16	<=30	Pass	
			25	19.05	3.30	22.35	<=30	Pass	
	50	0	18.88	3.30	22.18	<=30	Pass		
	3545	1	0	18.10	3.30	21.40	<=30	Pass	
			25	18.12	3.30	21.42	<=30	Pass	
			49	18.24	3.30	21.54	<=30	Pass	
		25	0	18.17	3.30	21.47	<=30	Pass	
13			18.08	3.30	21.38	<=30	Pass		
25			18.14	3.30	21.44	<=30	Pass		
50	0	18.25	3.30	21.55	<=30	Pass			
256QAM	3455	1	0	16.18	3.30	19.48	<=30	Pass	

	3500	25	25	16.30	3.30	19.60	<=30	Pass
			49	16.46	3.30	19.76	<=30	Pass
		25	0	16.37	3.30	19.67	<=30	Pass
			13	16.45	3.30	19.75	<=30	Pass
			25	16.49	3.30	19.79	<=30	Pass
		50	0	16.44	3.30	19.74	<=30	Pass
			0	16.55	3.30	19.85	<=30	Pass
		1	25	16.62	3.30	19.92	<=30	Pass
			49	16.69	3.30	19.99	<=30	Pass
			0	16.75	3.30	20.05	<=30	Pass
	3545	25	13	16.85	3.30	20.15	<=30	Pass
			25	16.90	3.30	20.20	<=30	Pass
			0	16.79	3.30	20.09	<=30	Pass
		1	0	16.19	3.30	19.49	<=30	Pass
			25	15.96	3.30	19.26	<=30	Pass
			49	16.35	3.30	19.65	<=30	Pass
		25	0	16.04	3.30	19.34	<=30	Pass
			13	16.08	3.30	19.38	<=30	Pass
			25	16.30	3.30	19.60	<=30	Pass
		50	0	16.11	3.30	19.41	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain
2. Gain=Antenna gain-antenna cable loss=(4.2-0.9)dBi=3.3dBi

1.1.3 B42_15MHz_EIRP

Band: 42a / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	3457.5	1	0	17.99	3.30	21.29	<=30	Pass
			38	18.19	3.30	21.49	<=30	Pass
			74	18.37	3.30	21.67	<=30	Pass
		36	0	18.23	3.30	21.53	<=30	Pass
			18	18.25	3.30	21.55	<=30	Pass
			39	18.35	3.30	21.65	<=30	Pass
		75	0	18.26	3.30	21.56	<=30	Pass
	3500	1	0	18.56	3.30	21.86	<=30	Pass
			38	18.64	3.30	21.94	<=30	Pass
			74	18.60	3.30	21.90	<=30	Pass
		36	0	18.62	3.30	21.92	<=30	Pass
			18	18.61	3.30	21.91	<=30	Pass
			39	18.76	3.30	22.06	<=30	Pass
		75	0	18.56	3.30	21.86	<=30	Pass
	3542.5	1	0	17.81	3.30	21.11	<=30	Pass
			38	18.07	3.30	21.37	<=30	Pass
			74	18.35	3.30	21.65	<=30	Pass
		36	0	17.87	3.30	21.17	<=30	Pass
			18	18.13	3.30	21.43	<=30	Pass
			39	18.29	3.30	21.59	<=30	Pass
		75	0	18.03	3.30	21.33	<=30	Pass
16QAM	3457.5	1	0	18.02	3.30	21.32	<=30	Pass
			38	18.42	3.30	21.72	<=30	Pass
			74	18.38	3.30	21.68	<=30	Pass
		36	0	18.21	3.30	21.51	<=30	Pass
			18	18.35	3.30	21.65	<=30	Pass

			39	18.34	3.30	21.64	<=30	Pass	
		75	0	18.27	3.30	21.57	<=30	Pass	
	3500	1	0	18.55	3.30	21.85	<=30	Pass	
			38	18.76	3.30	22.06	<=30	Pass	
			74	18.53	3.30	21.83	<=30	Pass	
		36	0	18.57	3.30	21.87	<=30	Pass	
			18	18.61	3.30	21.91	<=30	Pass	
			39	18.70	3.30	22.00	<=30	Pass	
	75	0	18.58	3.30	21.88	<=30	Pass		
	3542.5	1	0	17.71	3.30	21.01	<=30	Pass	
			38	18.05	3.30	21.35	<=30	Pass	
			74	18.21	3.30	21.51	<=30	Pass	
		36	0	17.84	3.30	21.14	<=30	Pass	
			18	18.17	3.30	21.47	<=30	Pass	
			39	18.15	3.30	21.45	<=30	Pass	
		75	0	18.24	3.30	21.54	<=30	Pass	
64QAM		3457.5	1	0	18.29	3.30	21.59	<=30	Pass
	38			18.64	3.30	21.94	<=30	Pass	
	74			18.48	3.30	21.78	<=30	Pass	
	36		0	18.27	3.30	21.57	<=30	Pass	
			18	18.60	3.30	21.90	<=30	Pass	
			39	18.46	3.30	21.76	<=30	Pass	
	75		0	18.55	3.30	21.85	<=30	Pass	
	3500	1	0	18.63	3.30	21.93	<=30	Pass	
			38	18.74	3.30	22.04	<=30	Pass	
			74	18.98	3.30	22.28	<=30	Pass	
		36	0	18.77	3.30	22.07	<=30	Pass	
			18	18.82	3.30	22.12	<=30	Pass	
			39	19.02	3.30	22.32	<=30	Pass	
	75	0	18.76	3.30	22.06	<=30	Pass		
	3542.5	1	0	18.00	3.30	21.30	<=30	Pass	
			38	18.21	3.30	21.51	<=30	Pass	
			74	18.31	3.30	21.61	<=30	Pass	
		36	0	18.06	3.30	21.36	<=30	Pass	
			18	18.19	3.30	21.49	<=30	Pass	
			39	18.34	3.30	21.64	<=30	Pass	
		75	0	18.31	3.30	21.61	<=30	Pass	
	256QAM	3457.5	1	0	16.16	3.30	19.46	<=30	Pass
				38	16.55	3.30	19.85	<=30	Pass
				74	16.33	3.30	19.63	<=30	Pass
36			0	16.40	3.30	19.70	<=30	Pass	
			18	16.55	3.30	19.85	<=30	Pass	
			39	16.59	3.30	19.89	<=30	Pass	
75			0	16.54	3.30	19.84	<=30	Pass	
3500		1	0	16.81	3.30	20.11	<=30	Pass	
			38	16.81	3.30	20.11	<=30	Pass	
			74	17.02	3.30	20.32	<=30	Pass	
		36	0	16.64	3.30	19.94	<=30	Pass	
			18	16.68	3.30	19.98	<=30	Pass	
			39	17.01	3.30	20.31	<=30	Pass	
75		0	16.75	3.30	20.05	<=30	Pass		
3542.5		1	0	15.90	3.30	19.20	<=30	Pass	
			38	15.87	3.30	19.17	<=30	Pass	
	74		16.14	3.30	19.44	<=30	Pass		
	36	0	16.16	3.30	19.46	<=30	Pass		
18		16.23	3.30	19.53	<=30	Pass			

		39	16.10	3.30	19.40	<=30	Pass
	75	0	16.23	3.30	19.53	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain							
2. Gain=Antenna gain-antenna cable loss=(4.2-0.9)dBi=3.3dBi							

1.1.4 B42_20MHz_EIRP

Band: 42a / Bandwidth: 20MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	3460	1	0	17.92	3.30	21.22	<=30	Pass
			50	18.49	3.30	21.79	<=30	Pass
			99	18.20	3.30	21.50	<=30	Pass
		50	0	18.13	3.30	21.43	<=30	Pass
			25	18.52	3.30	21.82	<=30	Pass
			50	18.45	3.30	21.75	<=30	Pass
		100	0	18.34	3.30	21.64	<=30	Pass
	3500	1	0	18.66	3.30	21.96	<=30	Pass
			50	18.66	3.30	21.96	<=30	Pass
			99	18.73	3.30	22.03	<=30	Pass
		50	0	18.58	3.30	21.88	<=30	Pass
			25	18.81	3.30	22.11	<=30	Pass
			50	18.78	3.30	22.08	<=30	Pass
		100	0	18.74	3.30	22.04	<=30	Pass
	3540	1	0	18.19	3.30	21.49	<=30	Pass
			50	18.00	3.30	21.30	<=30	Pass
			99	18.27	3.30	21.57	<=30	Pass
		50	0	17.92	3.30	21.22	<=30	Pass
			25	18.08	3.30	21.38	<=30	Pass
			50	18.15	3.30	21.45	<=30	Pass
		100	0	18.01	3.30	21.31	<=30	Pass
16QAM	3460	1	0	17.99	3.30	21.29	<=30	Pass
			50	18.36	3.30	21.66	<=30	Pass
			99	18.42	3.30	21.72	<=30	Pass
		50	0	18.25	3.30	21.55	<=30	Pass
			25	18.53	3.30	21.83	<=30	Pass
			50	18.62	3.30	21.92	<=30	Pass
		100	0	18.37	3.30	21.67	<=30	Pass
	3500	1	0	18.64	3.30	21.94	<=30	Pass
			50	18.77	3.30	22.07	<=30	Pass
			99	18.39	3.30	21.69	<=30	Pass
		50	0	18.76	3.30	22.06	<=30	Pass
			25	18.79	3.30	22.09	<=30	Pass
			50	18.66	3.30	21.96	<=30	Pass
		100	0	18.79	3.30	22.09	<=30	Pass
	3540	1	0	18.22	3.30	21.52	<=30	Pass
			50	18.01	3.30	21.31	<=30	Pass
			99	18.43	3.30	21.73	<=30	Pass
		50	0	17.91	3.30	21.21	<=30	Pass
			25	17.98	3.30	21.28	<=30	Pass
			50	18.31	3.30	21.61	<=30	Pass
		100	0	18.02	3.30	21.32	<=30	Pass
64QAM	3460	1	0	18.26	3.30	21.56	<=30	Pass
			50	18.58	3.30	21.88	<=30	Pass

		50	99	18.18	3.30	21.48	<=30	Pass	
			0	18.51	3.30	21.81	<=30	Pass	
			25	18.56	3.30	21.86	<=30	Pass	
			50	18.53	3.30	21.83	<=30	Pass	
		100	0	18.47	3.30	21.77	<=30	Pass	
	3500	1	0	18.61	3.30	21.91	<=30	Pass	
			50	19.05	3.30	22.35	<=30	Pass	
			99	18.91	3.30	22.21	<=30	Pass	
		50	0	18.75	3.30	22.05	<=30	Pass	
			25	18.75	3.30	22.05	<=30	Pass	
			50	18.98	3.30	22.28	<=30	Pass	
		100	0	18.86	3.30	22.16	<=30	Pass	
	3540	1	0	18.25	3.30	21.55	<=30	Pass	
			50	18.17	3.30	21.47	<=30	Pass	
			99	18.39	3.30	21.69	<=30	Pass	
		50	0	18.20	3.30	21.50	<=30	Pass	
			25	18.03	3.30	21.33	<=30	Pass	
			50	18.14	3.30	21.44	<=30	Pass	
		100	0	18.05	3.30	21.35	<=30	Pass	
	256QAM	3460	1	0	16.21	3.30	19.51	<=30	Pass
				50	16.64	3.30	19.94	<=30	Pass
				99	16.09	3.30	19.39	<=30	Pass
			50	0	16.50	3.30	19.80	<=30	Pass
				25	16.64	3.30	19.94	<=30	Pass
				50	16.51	3.30	19.81	<=30	Pass
100			0	16.57	3.30	19.87	<=30	Pass	
3500		1	0	16.49	3.30	19.79	<=30	Pass	
			50	16.97	3.30	20.27	<=30	Pass	
			99	16.96	3.30	20.26	<=30	Pass	
		50	0	16.81	3.30	20.11	<=30	Pass	
			25	16.91	3.30	20.21	<=30	Pass	
			50	16.84	3.30	20.14	<=30	Pass	
		100	0	16.89	3.30	20.19	<=30	Pass	
3540		1	0	16.03	3.30	19.33	<=30	Pass	
			50	16.08	3.30	19.38	<=30	Pass	
			99	16.26	3.30	19.56	<=30	Pass	
		50	0	16.08	3.30	19.38	<=30	Pass	
			25	16.00	3.30	19.30	<=30	Pass	
			50	16.21	3.30	19.51	<=30	Pass	
		100	0	15.98	3.30	19.28	<=30	Pass	
Note1: EIRP=Conducted Power+Antenna Gain 2. Gain=Antenna gain-antenna cable loss=(4.2-0.9)dBi=3.3dBi									

Note1: EIRP=Conducted Power+Antenna Gain

2. Gain=Antenna gain-antenna cable loss=(4.2-0.9)dBi=3.3dBi

---End of Appendix---