

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B12_1.4MHz_ERP

Band: 12 / Bandwidth: 1.4MHz / NTN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	699.7	1	0	23.42	0.50	21.77	<=34.77	Pass		
			2	23.41	0.50	21.76	<=34.77	Pass		
			5	23.45	0.50	21.80	<=34.77	Pass		
		3	0	23.48	0.50	21.83	<=34.77	Pass		
			2	23.38	0.50	21.73	<=34.77	Pass		
			3	23.39	0.50	21.74	<=34.77	Pass		
		6	0	22.52	0.50	20.87	<=34.77	Pass		
		707.5	1	0	23.76	0.50	22.11	<=34.77	Pass	
				2	23.90	0.50	22.25	<=34.77	Pass	
	5			23.70	0.50	22.05	<=34.77	Pass		
	3		0	23.64	0.50	21.99	<=34.77	Pass		
			2	24.21	0.50	22.56	<=34.77	Pass		
			3	23.81	0.50	22.16	<=34.77	Pass		
	6		0	22.64	0.50	20.99	<=34.77	Pass		
	715.3		1	0	24.43	0.50	22.78	<=34.77	Pass	
				2	24.10	0.50	22.45	<=34.77	Pass	
		5		24.33	0.50	22.68	<=34.77	Pass		
		3	0	24.24	0.50	22.59	<=34.77	Pass		
			2	24.17	0.50	22.52	<=34.77	Pass		
			3	24.12	0.50	22.47	<=34.77	Pass		
		6	0	23.10	0.50	21.45	<=34.77	Pass		
		16QAM	699.7	1	0	22.84	0.50	21.19	<=34.77	Pass
					2	23.35	0.50	21.70	<=34.77	Pass
	5				22.99	0.50	21.34	<=34.77	Pass	
3	0			22.55	0.50	20.90	<=34.77	Pass		
	2			22.69	0.50	21.04	<=34.77	Pass		
	3			22.48	0.50	20.83	<=34.77	Pass		
6	0			21.52	0.50	19.87	<=34.77	Pass		
707.5	1			0	23.19	0.50	21.54	<=34.77	Pass	
				2	23.26	0.50	21.61	<=34.77	Pass	
			5	22.96	0.50	21.31	<=34.77	Pass		
	3		0	22.97	0.50	21.32	<=34.77	Pass		
			2	23.15	0.50	21.50	<=34.77	Pass		
			3	22.91	0.50	21.26	<=34.77	Pass		
	6		0	21.83	0.50	20.18	<=34.77	Pass		
	715.3		1	0	23.45	0.50	21.80	<=34.77	Pass	
				2	23.70	0.50	22.05	<=34.77	Pass	
5				23.66	0.50	22.01	<=34.77	Pass		
3			0	23.38	0.50	21.73	<=34.77	Pass		
			2	23.34	0.50	21.69	<=34.77	Pass		
			3	23.18	0.50	21.53	<=34.77	Pass		
6			0	22.27	0.50	20.62	<=34.77	Pass		
64QAM			699.7	1	0	22.50	0.50	20.85	<=34.77	Pass
					2	23.13	0.50	21.48	<=34.77	Pass
	5				22.62	0.50	20.97	<=34.77	Pass	
	3	0		22.53	0.50	20.88	<=34.77	Pass		
		2		22.74	0.50	21.09	<=34.77	Pass		
		3		22.51	0.50	20.86	<=34.77	Pass		
	6	0		21.51	0.50	19.86	<=34.77	Pass		

	707.5	1	0	22.80	0.50	21.15	<=34.77	Pass	
			2	23.02	0.50	21.37	<=34.77	Pass	
			5	22.91	0.50	21.26	<=34.77	Pass	
		3	0	22.84	0.50	21.19	<=34.77	Pass	
			2	22.84	0.50	21.19	<=34.77	Pass	
			3	22.93	0.50	21.28	<=34.77	Pass	
	6	0	21.71	0.50	20.06	<=34.77	Pass		
	715.3	1	0	23.15	0.50	21.50	<=34.77	Pass	
			2	22.83	0.50	21.18	<=34.77	Pass	
			5	23.15	0.50	21.50	<=34.77	Pass	
		3	0	23.13	0.50	21.48	<=34.77	Pass	
			2	23.20	0.50	21.55	<=34.77	Pass	
			3	23.26	0.50	21.61	<=34.77	Pass	
	6	0	22.13	0.50	20.48	<=34.77	Pass		
	256QAM	699.7	1	0	18.32	0.50	16.67	<=34.77	Pass
				2	18.57	0.50	16.92	<=34.77	Pass
				5	18.66	0.50	17.01	<=34.77	Pass
			3	0	18.71	0.50	17.06	<=34.77	Pass
2				18.60	0.50	16.95	<=34.77	Pass	
3				18.92	0.50	17.27	<=34.77	Pass	
6		0	18.60	0.50	16.95	<=34.77	Pass		
707.5		1	0	18.79	0.50	17.14	<=34.77	Pass	
			2	18.90	0.50	17.25	<=34.77	Pass	
			5	18.60	0.50	16.95	<=34.77	Pass	
		3	0	18.89	0.50	17.24	<=34.77	Pass	
			2	18.81	0.50	17.16	<=34.77	Pass	
			3	18.82	0.50	17.17	<=34.77	Pass	
6		0	18.70	0.50	17.05	<=34.77	Pass		
715.3		1	0	19.17	0.50	17.52	<=34.77	Pass	
			2	19.46	0.50	17.81	<=34.77	Pass	
			5	19.19	0.50	17.54	<=34.77	Pass	
		3	0	19.24	0.50	17.59	<=34.77	Pass	
	2		19.29	0.50	17.64	<=34.77	Pass		
	3		19.34	0.50	17.69	<=34.77	Pass		
6	0	19.18	0.50	17.53	<=34.77	Pass			

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 B12_3MHz_ERP

Band: 12 / Bandwidth: 3MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	700.5	1	0	23.78	0.50	22.13	<=34.77	Pass
			7	23.40	0.50	21.75	<=34.77	Pass
			14	23.48	0.50	21.83	<=34.77	Pass
		8	0	22.51	0.50	20.86	<=34.77	Pass
			4	22.59	0.50	20.94	<=34.77	Pass
			7	22.41	0.50	20.76	<=34.77	Pass
	15	0	22.66	0.50	21.01	<=34.77	Pass	
	707.5	1	0	23.71	0.50	22.06	<=34.77	Pass
			7	24.19	0.50	22.54	<=34.77	Pass
			14	23.83	0.50	22.18	<=34.77	Pass
		8	0	22.80	0.50	21.15	<=34.77	Pass
			4	22.85	0.50	21.20	<=34.77	Pass
			7	22.88	0.50	21.23	<=34.77	Pass
	15	0	22.78	0.50	21.13	<=34.77	Pass	
	714.5	1	0	24.02	0.50	22.37	<=34.77	Pass

		8	7	24.43	0.50	22.78	<=34.77	Pass		
			14	24.00	0.50	22.35	<=34.77	Pass		
			0	23.12	0.50	21.47	<=34.77	Pass		
			4	23.17	0.50	21.52	<=34.77	Pass		
			7	23.26	0.50	21.61	<=34.77	Pass		
			15	23.10	0.50	21.45	<=34.77	Pass		
16QAM	700.5	1	0	22.76	0.50	21.11	<=34.77	Pass		
			7	22.79	0.50	21.14	<=34.77	Pass		
			14	22.82	0.50	21.17	<=34.77	Pass		
		8	0	21.61	0.50	19.96	<=34.77	Pass		
			4	21.59	0.50	19.94	<=34.77	Pass		
			7	21.57	0.50	19.92	<=34.77	Pass		
		15	21.50	0.50	19.85	<=34.77	Pass			
		707.5	1	0	23.13	0.50	21.48	<=34.77	Pass	
				7	23.32	0.50	21.67	<=34.77	Pass	
	14			23.11	0.50	21.46	<=34.77	Pass		
	8		0	21.73	0.50	20.08	<=34.77	Pass		
			4	21.79	0.50	20.14	<=34.77	Pass		
			7	21.98	0.50	20.33	<=34.77	Pass		
	15		21.81	0.50	20.16	<=34.77	Pass			
	714.5		1	0	23.25	0.50	21.60	<=34.77	Pass	
				7	23.21	0.50	21.56	<=34.77	Pass	
		14		23.44	0.50	21.79	<=34.77	Pass		
		8	0	22.12	0.50	20.47	<=34.77	Pass		
			4	22.22	0.50	20.57	<=34.77	Pass		
			7	22.24	0.50	20.59	<=34.77	Pass		
		15	22.02	0.50	20.37	<=34.77	Pass			
		64QAM	700.5	1	0	22.43	0.50	20.78	<=34.77	Pass
					7	22.66	0.50	21.01	<=34.77	Pass
	14				22.59	0.50	20.94	<=34.77	Pass	
8	0			21.14	0.50	19.49	<=34.77	Pass		
	4			21.61	0.50	19.96	<=34.77	Pass		
	7			21.52	0.50	19.87	<=34.77	Pass		
15	21.57			0.50	19.92	<=34.77	Pass			
707.5	1			0	22.69	0.50	21.04	<=34.77	Pass	
				7	22.92	0.50	21.27	<=34.77	Pass	
			14	22.80	0.50	21.15	<=34.77	Pass		
	8		0	21.84	0.50	20.19	<=34.77	Pass		
			4	21.89	0.50	20.24	<=34.77	Pass		
			7	22.00	0.50	20.35	<=34.77	Pass		
	15		21.76	0.50	20.11	<=34.77	Pass			
	714.5		1	0	23.10	0.50	21.45	<=34.77	Pass	
				7	23.35	0.50	21.70	<=34.77	Pass	
14				22.95	0.50	21.30	<=34.77	Pass		
8			0	22.11	0.50	20.46	<=34.77	Pass		
			4	22.05	0.50	20.40	<=34.77	Pass		
			7	22.31	0.50	20.66	<=34.77	Pass		
15			22.13	0.50	20.48	<=34.77	Pass			
256QAM			700.5	1	0	18.52	0.50	16.87	<=34.77	Pass
					7	18.67	0.50	17.02	<=34.77	Pass
	14				18.58	0.50	16.93	<=34.77	Pass	
	8	0		18.50	0.50	16.85	<=34.77	Pass		
		4		18.59	0.50	16.94	<=34.77	Pass		
		7		18.52	0.50	16.87	<=34.77	Pass		
	15	18.63		0.50	16.98	<=34.77	Pass			
	707.5	1		0	18.83	0.50	17.18	<=34.77	Pass	
				7	19.08	0.50	17.43	<=34.77	Pass	
			14	18.79	0.50	17.14	<=34.77	Pass		
		8	0	18.87	0.50	17.22	<=34.77	Pass		

	714.5	15	4	18.79	0.50	17.14	<=34.77	Pass
			7	18.97	0.50	17.32	<=34.77	Pass
			0	18.76	0.50	17.11	<=34.77	Pass
	1	8	0	18.97	0.50	17.32	<=34.77	Pass
			7	19.37	0.50	17.72	<=34.77	Pass
			14	19.15	0.50	17.50	<=34.77	Pass
	15	8	0	19.16	0.50	17.51	<=34.77	Pass
			4	19.15	0.50	17.50	<=34.77	Pass
			7	19.23	0.50	17.58	<=34.77	Pass
	0	19.09	0.50	17.44	<=34.77	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.3 B12_5MHz_ERP

Band: 12 / Bandwidth: 5MHz / NTN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	701.5	1	0	23.53	0.50	21.88	<=34.77	Pass		
			13	23.69	0.50	22.04	<=34.77	Pass		
			24	23.30	0.50	21.65	<=34.77	Pass		
		12	0	22.60	0.50	20.95	<=34.77	Pass		
			6	22.60	0.50	20.95	<=34.77	Pass		
			13	22.63	0.50	20.98	<=34.77	Pass		
		25	0	22.46	0.50	20.81	<=34.77	Pass		
		707.5	1	0	23.60	0.50	21.95	<=34.77	Pass	
				13	23.91	0.50	22.26	<=34.77	Pass	
	24			23.83	0.50	22.18	<=34.77	Pass		
	12		0	22.79	0.50	21.14	<=34.77	Pass		
			6	22.88	0.50	21.23	<=34.77	Pass		
			13	22.86	0.50	21.21	<=34.77	Pass		
	25	0	22.80	0.50	21.15	<=34.77	Pass			
	713.5	1	0	24.06	0.50	22.41	<=34.77	Pass		
			13	24.18	0.50	22.53	<=34.77	Pass		
			24	24.08	0.50	22.43	<=34.77	Pass		
		12	0	23.07	0.50	21.42	<=34.77	Pass		
			6	23.11	0.50	21.46	<=34.77	Pass		
			13	23.13	0.50	21.48	<=34.77	Pass		
		25	0	23.09	0.50	21.44	<=34.77	Pass		
		16QAM	701.5	1	0	22.26	0.50	20.61	<=34.77	Pass
					13	23.04	0.50	21.39	<=34.77	Pass
	24				22.84	0.50	21.19	<=34.77	Pass	
12	0			21.58	0.50	19.93	<=34.77	Pass		
	6			21.73	0.50	20.08	<=34.77	Pass		
	13			21.60	0.50	19.95	<=34.77	Pass		
25	0			21.60	0.50	19.95	<=34.77	Pass		
707.5	1			0	22.98	0.50	21.33	<=34.77	Pass	
				13	23.03	0.50	21.38	<=34.77	Pass	
			24	23.25	0.50	21.60	<=34.77	Pass		
	12		0	21.51	0.50	19.86	<=34.77	Pass		
			6	21.82	0.50	20.17	<=34.77	Pass		
			13	21.93	0.50	20.28	<=34.77	Pass		
25	0		21.76	0.50	20.11	<=34.77	Pass			
713.5	1		0	23.38	0.50	21.73	<=34.77	Pass		
			13	23.38	0.50	21.73	<=34.77	Pass		
			24	23.64	0.50	21.99	<=34.77	Pass		
	12		0	22.09	0.50	20.44	<=34.77	Pass		
			6	22.11	0.50	20.46	<=34.77	Pass		

Modulation	Frequency (MHz)	RB Allocation	Conducted Power		Gain (dBi)	ERP (dBm)		Verdict		
			Size	Offset		Result	Limit			
64QAM	701.5	1	13	22.11	0.50	20.46	<=34.77	Pass		
			25	0	22.00	0.50	20.35	<=34.77	Pass	
			0	22.27	0.50	20.62	<=34.77	Pass		
		12	13	22.68	0.50	21.03	<=34.77	Pass		
			24	22.42	0.50	20.77	<=34.77	Pass		
			0	21.62	0.50	19.97	<=34.77	Pass		
			6	21.56	0.50	19.91	<=34.77	Pass		
			13	21.58	0.50	19.93	<=34.77	Pass		
			25	0	21.48	0.50	19.83	<=34.77	Pass	
	707.5	1	0	22.67	0.50	21.02	<=34.77	Pass		
			13	22.86	0.50	21.21	<=34.77	Pass		
			24	22.64	0.50	20.99	<=34.77	Pass		
		12	0	21.66	0.50	20.01	<=34.77	Pass		
			6	21.84	0.50	20.19	<=34.77	Pass		
			13	22.00	0.50	20.35	<=34.77	Pass		
	25	0	21.77	0.50	20.12	<=34.77	Pass			
	713.5	1	0	23.26	0.50	21.61	<=34.77	Pass		
			13	23.33	0.50	21.68	<=34.77	Pass		
			24	22.61	0.50	20.96	<=34.77	Pass		
		12	0	22.10	0.50	20.45	<=34.77	Pass		
			6	22.20	0.50	20.55	<=34.77	Pass		
			13	22.18	0.50	20.53	<=34.77	Pass		
		25	0	21.95	0.50	20.30	<=34.77	Pass		
		256QAM	701.5	1	0	18.68	0.50	17.03	<=34.77	Pass
13					18.55	0.50	16.90	<=34.77	Pass	
24	18.50				0.50	16.85	<=34.77	Pass		
12	0			18.66	0.50	17.01	<=34.77	Pass		
	6			18.67	0.50	17.02	<=34.77	Pass		
	13			18.59	0.50	16.94	<=34.77	Pass		
	25			0	18.52	0.50	16.87	<=34.77	Pass	
	707.5			1	0	18.78	0.50	17.13	<=34.77	Pass
					13	18.86	0.50	17.21	<=34.77	Pass
24			18.68		0.50	17.03	<=34.77	Pass		
12			0	18.70	0.50	17.05	<=34.77	Pass		
			6	18.84	0.50	17.19	<=34.77	Pass		
			13	18.95	0.50	17.30	<=34.77	Pass		
25	0		18.82	0.50	17.17	<=34.77	Pass			
713.5	1		0	19.13	0.50	17.48	<=34.77	Pass		
			13	19.54	0.50	17.89	<=34.77	Pass		
			24	18.96	0.50	17.31	<=34.77	Pass		
	12		0	19.04	0.50	17.39	<=34.77	Pass		
			6	19.09	0.50	17.44	<=34.77	Pass		
			13	19.21	0.50	17.56	<=34.77	Pass		
	25		0	19.03	0.50	17.38	<=34.77	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.4 B12_10MHz_ERP

Band: 12 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	704	1	0	23.40	0.50	21.75	<=34.77	Pass
			25	23.27	0.50	21.62	<=34.77	Pass
			49	23.82	0.50	22.17	<=34.77	Pass
		25	0	22.65	0.50	21.00	<=34.77	Pass
			13	22.70	0.50	21.05	<=34.77	Pass
			25	22.77	0.50	21.12	<=34.77	Pass

	707.5	50	0	22.71	0.50	21.06	<=34.77	Pass
		1	0	23.83	0.50	22.18	<=34.77	Pass
			25	24.03	0.50	22.38	<=34.77	Pass
			49	24.12	0.50	22.47	<=34.77	Pass
		25	0	22.72	0.50	21.07	<=34.77	Pass
			13	22.81	0.50	21.16	<=34.77	Pass
	25		22.92	0.50	21.27	<=34.77	Pass	
	50	0	22.80	0.50	21.15	<=34.77	Pass	
	711	1	0	23.85	0.50	22.20	<=34.77	Pass
			25	24.23	0.50	22.58	<=34.77	Pass
			49	24.24	0.50	22.59	<=34.77	Pass
		25	0	22.88	0.50	21.23	<=34.77	Pass
			13	23.17	0.50	21.52	<=34.77	Pass
			25	23.18	0.50	21.53	<=34.77	Pass
	50	0	23.03	0.50	21.38	<=34.77	Pass	
16QAM	704	1	0	22.69	0.50	21.04	<=34.77	Pass
			25	23.04	0.50	21.39	<=34.77	Pass
			49	23.19	0.50	21.54	<=34.77	Pass
		25	0	21.68	0.50	20.03	<=34.77	Pass
			13	21.73	0.50	20.08	<=34.77	Pass
			25	21.74	0.50	20.09	<=34.77	Pass
	50	0	21.78	0.50	20.13	<=34.77	Pass	
	707.5	1	0	22.62	0.50	20.97	<=34.77	Pass
			25	22.99	0.50	21.34	<=34.77	Pass
			49	22.50	0.50	20.85	<=34.77	Pass
		25	0	21.76	0.50	20.11	<=34.77	Pass
			13	21.95	0.50	20.30	<=34.77	Pass
			25	22.34	0.50	20.69	<=34.77	Pass
	50	0	21.81	0.50	20.16	<=34.77	Pass	
	711	1	0	23.06	0.50	21.41	<=34.77	Pass
			25	23.36	0.50	21.71	<=34.77	Pass
			49	23.32	0.50	21.67	<=34.77	Pass
		25	0	21.88	0.50	20.23	<=34.77	Pass
13			22.11	0.50	20.46	<=34.77	Pass	
25			22.16	0.50	20.51	<=34.77	Pass	
50	0	22.05	0.50	20.40	<=34.77	Pass		
64QAM	704	1	0	22.46	0.50	20.81	<=34.77	Pass
			25	22.70	0.50	21.05	<=34.77	Pass
			49	22.92	0.50	21.27	<=34.77	Pass
		25	0	21.61	0.50	19.96	<=34.77	Pass
			13	21.76	0.50	20.11	<=34.77	Pass
			25	21.80	0.50	20.15	<=34.77	Pass
	50	0	21.71	0.50	20.06	<=34.77	Pass	
	707.5	1	0	22.42	0.50	20.77	<=34.77	Pass
			25	23.02	0.50	21.37	<=34.77	Pass
			49	23.10	0.50	21.45	<=34.77	Pass
		25	0	21.68	0.50	20.03	<=34.77	Pass
			13	21.85	0.50	20.20	<=34.77	Pass
			25	22.03	0.50	20.38	<=34.77	Pass
	50	0	21.90	0.50	20.25	<=34.77	Pass	
	711	1	0	22.92	0.50	21.27	<=34.77	Pass
			25	23.18	0.50	21.53	<=34.77	Pass
			49	23.17	0.50	21.52	<=34.77	Pass
		25	0	21.92	0.50	20.27	<=34.77	Pass
13			22.09	0.50	20.44	<=34.77	Pass	
25			22.18	0.50	20.53	<=34.77	Pass	
50	0	22.13	0.50	20.48	<=34.77	Pass		
256QAM	704	1	0	18.50	0.50	16.85	<=34.77	Pass
			25	18.48	0.50	16.83	<=34.77	Pass

			49	18.88	0.50	17.23	<=34.77	Pass	
		25	0	18.52	0.50	16.87	<=34.77	Pass	
			13	18.72	0.50	17.07	<=34.77	Pass	
			25	18.93	0.50	17.28	<=34.77	Pass	
		50	0	18.76	0.50	17.11	<=34.77	Pass	
	707.5	1	0	18.48	0.50	16.83	<=34.77	Pass	
			25	18.87	0.50	17.22	<=34.77	Pass	
			49	19.11	0.50	17.46	<=34.77	Pass	
		25	0	18.70	0.50	17.05	<=34.77	Pass	
			13	18.84	0.50	17.19	<=34.77	Pass	
			25	19.05	0.50	17.40	<=34.77	Pass	
		50	0	18.81	0.50	17.16	<=34.77	Pass	
		711	1	0	18.73	0.50	17.08	<=34.77	Pass
				25	19.26	0.50	17.61	<=34.77	Pass
	49			18.90	0.50	17.25	<=34.77	Pass	
	25		0	18.80	0.50	17.15	<=34.77	Pass	
			13	19.01	0.50	17.36	<=34.77	Pass	
			25	19.19	0.50	17.54	<=34.77	Pass	
	50		0	19.05	0.50	17.40	<=34.77	Pass	

Note1: ERP=Conducted Power+Antenna Gain-2.15