

Appendix B.21

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B71_5MHz_ERP

Band: 71 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	665.5	1	0	23.46	-0.12	21.19	<=34.77	Pass
			13	23.37	-0.12	21.10	<=34.77	Pass
			24	23.38	-0.12	21.11	<=34.77	Pass
		12	0	22.33	-0.12	20.06	<=34.77	Pass
			6	22.32	-0.12	20.05	<=34.77	Pass
			13	22.33	-0.12	20.06	<=34.77	Pass
		25	0	22.33	-0.12	20.06	<=34.77	Pass
	680.5	1	0	23.11	-0.12	20.84	<=34.77	Pass
			13	23.09	-0.12	20.82	<=34.77	Pass
			24	23.05	-0.12	20.78	<=34.77	Pass
		12	0	22.10	-0.12	19.83	<=34.77	Pass
			6	22.06	-0.12	19.79	<=34.77	Pass
			13	22.10	-0.12	19.83	<=34.77	Pass
		25	0	22.12	-0.12	19.85	<=34.77	Pass
	695.5	1	0	23.11	-0.12	20.84	<=34.77	Pass
			13	23.06	-0.12	20.79	<=34.77	Pass
			24	23.06	-0.12	20.79	<=34.77	Pass
		12	0	22.14	-0.12	19.87	<=34.77	Pass
			6	22.11	-0.12	19.84	<=34.77	Pass
			13	22.06	-0.12	19.79	<=34.77	Pass
		25	0	22.09	-0.12	19.82	<=34.77	Pass
16QAM	665.5	1	0	22.53	-0.12	20.26	<=34.77	Pass
			13	22.56	-0.12	20.29	<=34.77	Pass
			24	22.67	-0.12	20.40	<=34.77	Pass
		12	0	21.50	-0.12	19.23	<=34.77	Pass
			6	21.49	-0.12	19.22	<=34.77	Pass
			13	21.26	-0.12	18.99	<=34.77	Pass
		25	0	21.34	-0.12	19.07	<=34.77	Pass
	680.5	1	0	22.32	-0.12	20.05	<=34.77	Pass
			13	22.40	-0.12	20.13	<=34.77	Pass
			24	22.27	-0.12	20.00	<=34.77	Pass
		12	0	21.10	-0.12	18.83	<=34.77	Pass
			6	21.06	-0.12	18.79	<=34.77	Pass
			13	21.03	-0.12	18.76	<=34.77	Pass
		25	0	21.11	-0.12	18.84	<=34.77	Pass
	695.5	1	0	22.30	-0.12	20.03	<=34.77	Pass
			13	22.24	-0.12	19.97	<=34.77	Pass
			24	22.20	-0.12	19.93	<=34.77	Pass
		12	0	21.11	-0.12	18.84	<=34.77	Pass
			6	21.11	-0.12	18.84	<=34.77	Pass
			13	21.03	-0.12	18.76	<=34.77	Pass

64QAM	665.5	25	0	21.12	-0.12	18.85	<=34.77	Pass
		1	0	21.49	-0.12	19.22	<=34.77	Pass
			13	21.59	-0.12	19.32	<=34.77	Pass
			24	21.44	-0.12	19.17	<=34.77	Pass
		12	0	20.47	-0.12	18.20	<=34.77	Pass
			6	20.44	-0.12	18.17	<=34.77	Pass
			13	20.42	-0.12	18.15	<=34.77	Pass
		25	0	20.50	-0.12	18.23	<=34.77	Pass
	680.5	1	0	21.20	-0.12	18.93	<=34.77	Pass
			13	21.14	-0.12	18.87	<=34.77	Pass
			24	21.26	-0.12	18.99	<=34.77	Pass
		12	0	20.27	-0.12	18.00	<=34.77	Pass
			6	20.28	-0.12	18.01	<=34.77	Pass
			13	20.22	-0.12	17.95	<=34.77	Pass
		25	0	20.26	-0.12	17.99	<=34.77	Pass
	695.5	1	0	21.27	-0.12	19.00	<=34.77	Pass
			13	21.19	-0.12	18.92	<=34.77	Pass
			24	21.28	-0.12	19.01	<=34.77	Pass
		12	0	20.28	-0.12	18.01	<=34.77	Pass
			6	20.27	-0.12	18.00	<=34.77	Pass
			13	20.25	-0.12	17.98	<=34.77	Pass
		25	0	20.27	-0.12	18.00	<=34.77	Pass
256QAM	665.5	1	0	18.59	-0.12	16.32	<=34.77	Pass
			13	18.46	-0.12	16.19	<=34.77	Pass
			24	18.46	-0.12	16.19	<=34.77	Pass
		12	0	18.41	-0.12	16.14	<=34.77	Pass
			6	18.37	-0.12	16.10	<=34.77	Pass
			13	18.33	-0.12	16.06	<=34.77	Pass
		25	0	18.43	-0.12	16.16	<=34.77	Pass
	680.5	1	0	18.38	-0.12	16.11	<=34.77	Pass
			13	18.26	-0.12	15.99	<=34.77	Pass
			24	18.33	-0.12	16.06	<=34.77	Pass
		12	0	18.19	-0.12	15.92	<=34.77	Pass
			6	18.14	-0.12	15.87	<=34.77	Pass
			13	18.10	-0.12	15.83	<=34.77	Pass
		25	0	18.18	-0.12	15.91	<=34.77	Pass
	695.5	1	0	18.26	-0.12	15.99	<=34.77	Pass
			13	18.25	-0.12	15.98	<=34.77	Pass
			24	18.35	-0.12	16.08	<=34.77	Pass
		12	0	18.16	-0.12	15.89	<=34.77	Pass
			6	18.19	-0.12	15.92	<=34.77	Pass
			13	18.14	-0.12	15.87	<=34.77	Pass
		25	0	18.21	-0.12	15.94	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 B71_10MHz_ERP

Band: 71 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	668	1	0	23.29	-0.12	21.02	<=34.77	Pass
			25	23.33	-0.12	21.06	<=34.77	Pass
			49	23.20	-0.12	20.93	<=34.77	Pass
		25	0	22.36	-0.12	20.09	<=34.77	Pass

		50	13	22.30	-0.12	20.03	<=34.77	Pass
			25	22.33	-0.12	20.06	<=34.77	Pass
			0	22.35	-0.12	20.08	<=34.77	Pass
	680.5	1	0	23.16	-0.12	20.89	<=34.77	Pass
			25	23.14	-0.12	20.87	<=34.77	Pass
			49	23.01	-0.12	20.74	<=34.77	Pass
		25	0	22.19	-0.12	19.92	<=34.77	Pass
			13	22.12	-0.12	19.85	<=34.77	Pass
			25	22.09	-0.12	19.82	<=34.77	Pass
		50	0	22.18	-0.12	19.91	<=34.77	Pass
	693	1	0	23.06	-0.12	20.79	<=34.77	Pass
			25	23.07	-0.12	20.80	<=34.77	Pass
			49	23.04	-0.12	20.77	<=34.77	Pass
		25	0	22.11	-0.12	19.84	<=34.77	Pass
			13	22.11	-0.12	19.84	<=34.77	Pass
			25	22.05	-0.12	19.78	<=34.77	Pass
		50	0	22.14	-0.12	19.87	<=34.77	Pass
16QAM	668	1	0	22.57	-0.12	20.30	<=34.77	Pass
			25	22.53	-0.12	20.26	<=34.77	Pass
			49	22.42	-0.12	20.15	<=34.77	Pass
		25	0	21.30	-0.12	19.03	<=34.77	Pass
			13	21.32	-0.12	19.05	<=34.77	Pass
			25	21.31	-0.12	19.04	<=34.77	Pass
		50	0	21.33	-0.12	19.06	<=34.77	Pass
	680.5	1	0	22.47	-0.12	20.20	<=34.77	Pass
			25	22.32	-0.12	20.05	<=34.77	Pass
			49	22.29	-0.12	20.02	<=34.77	Pass
		25	0	21.19	-0.12	18.92	<=34.77	Pass
			13	21.06	-0.12	18.79	<=34.77	Pass
			25	21.10	-0.12	18.83	<=34.77	Pass
		50	0	21.14	-0.12	18.87	<=34.77	Pass
	693	1	0	22.20	-0.12	19.93	<=34.77	Pass
			25	22.30	-0.12	20.03	<=34.77	Pass
			49	22.34	-0.12	20.07	<=34.77	Pass
		25	0	21.11	-0.12	18.84	<=34.77	Pass
			13	21.09	-0.12	18.82	<=34.77	Pass
			25	21.08	-0.12	18.81	<=34.77	Pass
		50	0	21.10	-0.12	18.83	<=34.77	Pass
64QAM	668	1	0	21.50	-0.12	19.23	<=34.77	Pass
			25	21.39	-0.12	19.12	<=34.77	Pass
			49	21.35	-0.12	19.08	<=34.77	Pass
		25	0	20.46	-0.12	18.19	<=34.77	Pass
			13	20.46	-0.12	18.19	<=34.77	Pass
			25	20.49	-0.12	18.22	<=34.77	Pass
		50	0	20.50	-0.12	18.23	<=34.77	Pass
	680.5	1	0	21.25	-0.12	18.98	<=34.77	Pass
			25	21.31	-0.12	19.04	<=34.77	Pass
			49	21.15	-0.12	18.88	<=34.77	Pass
		25	0	20.36	-0.12	18.09	<=34.77	Pass
			13	20.27	-0.12	18.00	<=34.77	Pass
			25	20.25	-0.12	17.98	<=34.77	Pass
		50	0	20.31	-0.12	18.04	<=34.77	Pass
	693	1	0	21.18	-0.12	18.91	<=34.77	Pass
			25	21.14	-0.12	18.87	<=34.77	Pass
			49	21.18	-0.12	18.91	<=34.77	Pass
		25	0	20.26	-0.12	17.99	<=34.77	Pass

256QAM	668	50	13	20.28	-0.12	18.01	<=34.77	Pass
			25	20.22	-0.12	17.95	<=34.77	Pass
			0	20.26	-0.12	17.99	<=34.77	Pass
		1	0	18.55	-0.12	16.28	<=34.77	Pass
			25	18.53	-0.12	16.26	<=34.77	Pass
			49	18.31	-0.12	16.04	<=34.77	Pass
		25	0	18.44	-0.12	16.17	<=34.77	Pass
			13	18.41	-0.12	16.14	<=34.77	Pass
			25	18.41	-0.12	16.14	<=34.77	Pass
		50	0	18.43	-0.12	16.16	<=34.77	Pass
	680.5	1	0	18.31	-0.12	16.04	<=34.77	Pass
			25	18.22	-0.12	15.95	<=34.77	Pass
			49	18.27	-0.12	16.00	<=34.77	Pass
		25	0	18.24	-0.12	15.97	<=34.77	Pass
			13	18.20	-0.12	15.93	<=34.77	Pass
			25	18.14	-0.12	15.87	<=34.77	Pass
		50	0	18.22	-0.12	15.95	<=34.77	Pass
	693	1	0	18.26	-0.12	15.99	<=34.77	Pass
			25	18.31	-0.12	16.04	<=34.77	Pass
			49	18.27	-0.12	16.00	<=34.77	Pass
		25	0	18.22	-0.12	15.95	<=34.77	Pass
			13	18.19	-0.12	15.92	<=34.77	Pass
			25	18.18	-0.12	15.91	<=34.77	Pass
		50	0	18.21	-0.12	15.94	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.3 B71_15MHz_ERP

Band: 71 / Bandwidth: 15MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	670.5	1	0	23.20	-0.12	20.93	<=34.77	Pass
			38	23.21	-0.12	20.94	<=34.77	Pass
			74	23.04	-0.12	20.77	<=34.77	Pass
		36	0	22.20	-0.12	19.93	<=34.77	Pass
			18	22.28	-0.12	20.01	<=34.77	Pass
			39	22.19	-0.12	19.92	<=34.77	Pass
		75	0	22.27	-0.12	20.00	<=34.77	Pass
	680.5	1	0	23.12	-0.12	20.85	<=34.77	Pass
			38	23.10	-0.12	20.83	<=34.77	Pass
			74	22.94	-0.12	20.67	<=34.77	Pass
		36	0	22.13	-0.12	19.86	<=34.77	Pass
			18	22.12	-0.12	19.85	<=34.77	Pass
			39	22.07	-0.12	19.80	<=34.77	Pass
		75	0	22.14	-0.12	19.87	<=34.77	Pass
	690.5	1	0	22.93	-0.12	20.66	<=34.77	Pass
			38	23.04	-0.12	20.77	<=34.77	Pass
			74	22.94	-0.12	20.67	<=34.77	Pass
		36	0	22.07	-0.12	19.80	<=34.77	Pass
			18	22.09	-0.12	19.82	<=34.77	Pass
			39	22.07	-0.12	19.80	<=34.77	Pass
		75	0	22.14	-0.12	19.87	<=34.77	Pass
16QAM	670.5	1	0	22.47	-0.12	20.20	<=34.77	Pass
			38	22.48	-0.12	20.21	<=34.77	Pass

			74	22.35	-0.12	20.08	<=34.77	Pass	
			36	0	21.23	-0.12	18.96	<=34.77	Pass
				18	21.25	-0.12	18.98	<=34.77	Pass
				39	21.24	-0.12	18.97	<=34.77	Pass
		75	0	21.21	-0.12	18.94	<=34.77	Pass	
		680.5	1	0	22.32	-0.12	20.05	<=34.77	Pass
				38	22.31	-0.12	20.04	<=34.77	Pass
				74	22.30	-0.12	20.03	<=34.77	Pass
			36	0	21.15	-0.12	18.88	<=34.77	Pass
				18	21.13	-0.12	18.86	<=34.77	Pass
	39			21.07	-0.12	18.80	<=34.77	Pass	
	75		0	21.12	-0.12	18.85	<=34.77	Pass	
	690.5	1	0	22.18	-0.12	19.91	<=34.77	Pass	
			38	22.36	-0.12	20.09	<=34.77	Pass	
			74	22.20	-0.12	19.93	<=34.77	Pass	
		36	0	20.99	-0.12	18.72	<=34.77	Pass	
			18	21.08	-0.12	18.81	<=34.77	Pass	
			39	21.04	-0.12	18.77	<=34.77	Pass	
		75	0	21.09	-0.12	18.82	<=34.77	Pass	
	64QAM	670.5	1	0	21.37	-0.12	19.10	<=34.77	Pass
				38	21.38	-0.12	19.11	<=34.77	Pass
				74	21.18	-0.12	18.91	<=34.77	Pass
			36	0	20.49	-0.12	18.22	<=34.77	Pass
				18	20.42	-0.12	18.15	<=34.77	Pass
				39	20.40	-0.12	18.13	<=34.77	Pass
			75	0	20.34	-0.12	18.07	<=34.77	Pass
680.5			1	0	21.30	-0.12	19.03	<=34.77	Pass
				38	21.29	-0.12	19.02	<=34.77	Pass
				74	21.12	-0.12	18.85	<=34.77	Pass
			36	0	20.35	-0.12	18.08	<=34.77	Pass
				18	20.25	-0.12	17.98	<=34.77	Pass
		39		20.25	-0.12	17.98	<=34.77	Pass	
		75	0	20.22	-0.12	17.95	<=34.77	Pass	
690.5		1	0	21.11	-0.12	18.84	<=34.77	Pass	
			38	21.20	-0.12	18.93	<=34.77	Pass	
			74	21.06	-0.12	18.79	<=34.77	Pass	
		36	0	20.22	-0.12	17.95	<=34.77	Pass	
			18	20.20	-0.12	17.93	<=34.77	Pass	
			39	20.27	-0.12	18.00	<=34.77	Pass	
		75	0	20.25	-0.12	17.98	<=34.77	Pass	
256QAM		670.5	1	0	18.50	-0.12	16.23	<=34.77	Pass
				38	18.43	-0.12	16.16	<=34.77	Pass
				74	18.29	-0.12	16.02	<=34.77	Pass
			36	0	18.37	-0.12	16.10	<=34.77	Pass
				18	18.39	-0.12	16.12	<=34.77	Pass
	39			18.27	-0.12	16.00	<=34.77	Pass	
	75	0	18.36	-0.12	16.09	<=34.77	Pass		
	680.5	1	0	18.35	-0.12	16.08	<=34.77	Pass	
			38	18.27	-0.12	16.00	<=34.77	Pass	
			74	18.19	-0.12	15.92	<=34.77	Pass	
		36	0	18.29	-0.12	16.02	<=34.77	Pass	
			18	18.18	-0.12	15.91	<=34.77	Pass	
			39	18.17	-0.12	15.90	<=34.77	Pass	
	75	0	18.20	-0.12	15.93	<=34.77	Pass		
690.5	1	0	18.15	-0.12	15.88	<=34.77	Pass		
		38	18.29	-0.12	16.02	<=34.77	Pass		

		74	18.22	-0.12	15.95	<=34.77	Pass
	36	0	18.17	-0.12	15.90	<=34.77	Pass
		18	18.21	-0.12	15.94	<=34.77	Pass
		39	18.23	-0.12	15.96	<=34.77	Pass
	75	0	18.15	-0.12	15.88	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.4 B71_20MHz_ERP

Band: 71 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	673	1	0	23.22	-0.12	20.95	<=34.77	Pass
			50	23.22	-0.12	20.95	<=34.77	Pass
			99	22.92	-0.12	20.65	<=34.77	Pass
		50	0	22.14	-0.12	19.87	<=34.77	Pass
			25	22.20	-0.12	19.93	<=34.77	Pass
			50	22.09	-0.12	19.82	<=34.77	Pass
		100	0	22.09	-0.12	19.82	<=34.77	Pass
	683	1	0	23.09	-0.12	20.82	<=34.77	Pass
			50	23.04	-0.12	20.77	<=34.77	Pass
			99	22.90	-0.12	20.63	<=34.77	Pass
		50	0	22.19	-0.12	19.92	<=34.77	Pass
			25	22.14	-0.12	19.87	<=34.77	Pass
			50	22.05	-0.12	19.78	<=34.77	Pass
		100	0	22.08	-0.12	19.81	<=34.77	Pass
	688	1	0	22.96	-0.12	20.69	<=34.77	Pass
			50	23.08	-0.12	20.81	<=34.77	Pass
			99	22.94	-0.12	20.67	<=34.77	Pass
		50	0	22.08	-0.12	19.81	<=34.77	Pass
			25	22.08	-0.12	19.81	<=34.77	Pass
			50	22.11	-0.12	19.84	<=34.77	Pass
16QAM	673	1	0	22.43	-0.12	20.16	<=34.77	Pass
			50	22.46	-0.12	20.19	<=34.77	Pass
			99	22.19	-0.12	19.92	<=34.77	Pass
		50	0	21.10	-0.12	18.83	<=34.77	Pass
			25	21.21	-0.12	18.94	<=34.77	Pass
			50	21.04	-0.12	18.77	<=34.77	Pass
		100	0	21.04	-0.12	18.77	<=34.77	Pass
	683	1	0	22.39	-0.12	20.12	<=34.77	Pass
			50	22.44	-0.12	20.17	<=34.77	Pass
			99	22.16	-0.12	19.89	<=34.77	Pass
		50	0	21.17	-0.12	18.90	<=34.77	Pass
			25	21.11	-0.12	18.84	<=34.77	Pass
			50	21.01	-0.12	18.74	<=34.77	Pass
		100	0	21.03	-0.12	18.76	<=34.77	Pass
	688	1	0	22.27	-0.12	20.00	<=34.77	Pass
			50	22.35	-0.12	20.08	<=34.77	Pass
			99	22.13	-0.12	19.86	<=34.77	Pass
		50	0	21.01	-0.12	18.74	<=34.77	Pass
			25	21.08	-0.12	18.81	<=34.77	Pass
			50	21.07	-0.12	18.80	<=34.77	Pass
		100	0	21.01	-0.12	18.74	<=34.77	Pass

64QAM	673	1	0	21.29	-0.12	19.02	<=34.77	Pass	
			50	21.34	-0.12	19.07	<=34.77	Pass	
			99	21.07	-0.12	18.80	<=34.77	Pass	
		50	0	20.34	-0.12	18.07	<=34.77	Pass	
			25	20.35	-0.12	18.08	<=34.77	Pass	
			50	20.18	-0.12	17.91	<=34.77	Pass	
		100	0	20.25	-0.12	17.98	<=34.77	Pass	
		683	1	0	21.21	-0.12	18.94	<=34.77	Pass
				50	21.28	-0.12	19.01	<=34.77	Pass
	99			20.99	-0.12	18.72	<=34.77	Pass	
	50		0	20.29	-0.12	18.02	<=34.77	Pass	
			25	20.24	-0.12	17.97	<=34.77	Pass	
			50	20.13	-0.12	17.86	<=34.77	Pass	
	100		0	20.20	-0.12	17.93	<=34.77	Pass	
	688		1	0	21.09	-0.12	18.82	<=34.77	Pass
				50	21.25	-0.12	18.98	<=34.77	Pass
		99		21.04	-0.12	18.77	<=34.77	Pass	
		50	0	20.14	-0.12	17.87	<=34.77	Pass	
			25	20.24	-0.12	17.97	<=34.77	Pass	
			50	20.23	-0.12	17.96	<=34.77	Pass	
		100	0	20.23	-0.12	17.96	<=34.77	Pass	
256QAM		673	1	0	18.46	-0.12	16.19	<=34.77	Pass
				50	18.39	-0.12	16.12	<=34.77	Pass
	99			18.15	-0.12	15.88	<=34.77	Pass	
	50		0	18.24	-0.12	15.97	<=34.77	Pass	
			25	18.31	-0.12	16.04	<=34.77	Pass	
			50	18.13	-0.12	15.86	<=34.77	Pass	
	100		0	18.23	-0.12	15.96	<=34.77	Pass	
	683	1	0	18.39	-0.12	16.12	<=34.77	Pass	
			50	18.23	-0.12	15.96	<=34.77	Pass	
			99	18.13	-0.12	15.86	<=34.77	Pass	
		50	0	18.25	-0.12	15.98	<=34.77	Pass	
			25	18.17	-0.12	15.90	<=34.77	Pass	
			50	18.16	-0.12	15.89	<=34.77	Pass	
		100	0	18.21	-0.12	15.94	<=34.77	Pass	
	688	1	0	18.19	-0.12	15.92	<=34.77	Pass	
			50	18.26	-0.12	15.99	<=34.77	Pass	
			99	18.15	-0.12	15.88	<=34.77	Pass	
		50	0	18.13	-0.12	15.86	<=34.77	Pass	
			25	18.13	-0.12	15.86	<=34.77	Pass	
			50	18.12	-0.12	15.85	<=34.77	Pass	
		100	0	18.20	-0.12	15.93	<=34.77	Pass	
Note1: ERP=Conducted Power+Antenna Gain-2.15									

- End of the Appendix -