

TCU2 Rev A Tx Spectrum EIRP (PCS mode)

Date: 09/28/04
 EUT: TCU-II, Rev A, with Centurion antenna 0436-0300001
 EUT CFG: 17" cable, Conical antenna
 PN: 10-J2094-1
 SN: 0012
 MS Class 2
 EIRP limit:
 IS-98 1,000 mW
 FCC 24 2,000 mW
 FCC ID 350 mW

Channel 25 (low-band)			Channel 600 mid-band			Channel 1175 (high-band)			Resultant Max Power				
Freq (MHz)	Peak (dBuV/m)		Freq (MHz)	Peak (dBuV/m)		Freq (MHz)	Peak (dBuV/m)		EIRP (dBm)	Limit (dBm)	Margin (dB)	PD@20cm (mW/cm ²)	MPE limit (mW/cm ²)
	V-Pol	H-Pol		V-Pol	H-Pol		V-Pol	H-Pol					
1,851.25	119.68	118.16	1,880.00	122.37	118.51	1,908.75	121.04	117.67	27.14	25.44	-1.70	0.10	1.00
3,702.50	70.22	70.72	3,760.00	77.43	73.62	3,817.50	78.33	77.54	-16.90	-13.00	3.90	0.00	1.00
5,553.75	74.59	69.48	5,640.00	78.61	71.88	5,726.25	76.5	72.63	-16.62	-13.00	3.62	0.00	1.00
7,405.00	76.35	72.07	7,520.00	78.83	72.85	7,635.00	81.55	80.79	-13.68	-13.00	0.68	0.00	1.00
9,256.25	62.91	61.59	9,400.00	65.75	62.51	9,543.75	66.57	60.9	-28.66	-13.00	15.66	0.00	1.00
11,107.50	64.9	< NF 61	11,280.00	68.92	65.61	11,452.50	74.09	73.58	-21.14	-13.00	8.14	0.00	1.00
12,958.75	< NF 62	< NF 62	13,160.00	< NF 66	< NF 66	13,361.25	< NF 66	< NF 66		-13.00			1.00
14,810.00	< NF 68	< NF 68	15,040.00	< NF 66	< 66 NF	15,270.00	< NF 68	< NF 68		-13.00			1.00
16,661.25	< NF 66	< NF 66	16,920.00	< NF 68	< NF 68	17,178.75	< NF 72	< NF 72		-13.00			1.00
18,512.50	< NF 72	< NF 72	18,800.00	< NF 72	< NF 72	19,087.50	< NF 72	< NF 72		-13.00			1.00

EUT CFG: 17" cable, Conical antenna

Channel 25 (low-band)			Channel 600 mid-band			Channel 1175 (high-band)			Resultant Max Power				
Freq (MHz)	Peak (dBuV/m)		Freq (MHz)	Peak (dBuV/m)		Freq (MHz)	Peak (dBuV/m)		EIRP (dBm)	Limit (dBm)	Margin (dB)	PD@20cm (mW/cm ²)	MPE limit (mW/cm ²)
	V-Pol	H-Pol		V-Pol	H-Pol		V-Pol	H-Pol					
1,851.25	120.68	114.85	1,880.00	123.63	117.33	1,908.75	120.65	117.26	28.40	25.44	-2.96	0.14	1.00
3,702.50	75.73	72.29	3,760.00	71.08	65.82	3,817.50	69.52	66.38	-19.50	-13.00	6.50	0.00	1.00
5,553.75	56.34	55.65	5,640.00	51.99	53.74	5,726.25	55.98	55.34	-38.89	-13.00	25.89	0.00	1.00
7,405.00	66.06	< NF 62	7,520.00	64.46	64.73	7,635.00	64.45	< NF 62	-29.17	-13.00	16.17	0.00	1.00
9,256.25	< NF 62	< NF 62	9,400.00	< NF 62	< NF 62	9,543.75	< NF 64	< NF 64		-13.00			1.00
11,107.50	< NF 67	< NF 67	11,280.00	< NF 67	< NF 67	11,452.50	< NF 67	< NF 67		-13.00			1.00
12,958.75	< NF 72	< NF 72	13,160.00	< NF 69	< NF 69	13,361.25	< NF 71	< NF 71		-13.00			1.00
14,810.00	< NF 72	< NF 72	15,040.00	< NF 70	< NF 70	15,270.00	< NF 71	< NF 71		-13.00			1.00
16,661.25	< NF 72	< NF 72	16,920.00	< NF 72	< NF 72	17,178.75	< NF 72	< NF 72		-13.00			1.00
18,512.50	< NF 66	< NF 66	18,800.00	< NF 66	< NF 66	19,087.50	< NF 66	< NF 66		-13.00			1.00

TCU2 Rev A Tx Spectrum EIRP (PCS mode)

Date: 09/28/04
 EUT: TCU-II, Rev A, with conical antenna
 EUT CFG: 17" cable, Conical antenna
 PN: 10-J2094-1
 SN: 0014
 MS Class 2
 EIRP limit:
 IS-98 1,000 mW
 FCC 24 2,000 mW
 FCC ID 350 mW

Channel 25 (low-band)			Channel 600 mid-band			Channel 1175 (high-band)			Resultant Max Power				
Freq (MHz)	Peak (dBuV/m)		Freq (MHz)	Peak (dBuV/m)		Freq (MHz)	Peak (dBuV/m)		EIRP (dBm)	Limit (dBm)	Margin (dB)	PD@20cm (mW/cm ²)	MPE limit (mW/cm ²)
	V-Pol	H-Pol		V-Pol	H-Pol		V-Pol	H-Pol					
1,851.25	122.21	116.8	1,880.00	121.37	119.03	1,908.75	121.64	115.35	26.98	25.44	-1.54	0.10	1.00
3,702.50	73.17	72.5	3,760.00	80.43	72.27	3,817.50	71.78	65.72	-14.80	-13.00	1.80	0.00	1.00
5,553.75	78.08	74.01	5,640.00	79.09	74.22	5,726.25	49.12	48.82	-16.14	-13.00	3.14	0.00	1.00
7,405.00	75.81	75.62	7,520.00	76.4	76.81	7,635.00	64.26	65.23	-18.42	-13.00	5.42	0.00	1.00
9,256.25	65.59	< NF 63	9,400.00	< NF 61	< NF 61	9,543.75	< NF 61	< NF 61	-29.64	-13.00	16.64	0.00	1.00
11,107.50	71.38	< NF 66	11,280.00	72.2	73.06	11,452.50	< NF 65	< NF 65	-22.17	-13.00	9.17	0.00	1.00
12,958.75	< NF 69	< NF 69	13,160.00	< NF 68	< NF 68	13,361.25	< NF 69	< NF 69		-13.00			1.00
14,810.00	< NF 71	< NF 71	15,040.00	< NF 71	< NF 71	15,270.00	< NF 71	< NF 71		-13.00			1.00
16,661.25	< NF 71	< NF 71	16,920.00	< NF 71	< NF 71	17,178.75	< NF 71	< NF 71		-13.00			1.00
18,512.50	< NF 68	< NF 68	18,800.00	< NF 69	< NF 69	19,087.50	< NF 69	< NF 69		-13.00			1.00

EUT CFG: 17" cable, Centurion flat antenna

Channel 25 (low-band)			Channel 600 mid-band			Channel 1175 (high-band)			Resultant Max Power				
Freq (MHz)	Peak (dBuV/m)		Freq (MHz)	Peak (dBuV/m)		Freq (MHz)	Peak (dBuV/m)		EIRP (dBm)	Limit (dBm)	Margin (dB)	PD@20cm (mW/cm ²)	MPE limit (mW/cm ²)
	V-Pol	H-Pol		V-Pol	H-Pol		V-Pol	H-Pol					
1,851.25	120.88	114.83	1,880.00	120.52	116.8	1,908.75			25.65	25.44	-0.21	0.07	1.00
3,702.50	70.22	69.28	3,760.00	68.96	66.32	3,817.50	73.79	71.53	-21.44	-13.00	8.44	0.00	1.00
5,553.75	77.32	72.87	5,640.00	49.88	51.2	5,726.25			-17.91	-13.00	4.91	0.00	1.00
7,405.00	72.71	70.82	7,520.00	< NF 61	< NF 61	7,635.00	77.66	79.05	-16.18	-13.00	3.18	0.00	1.00
9,256.25	64.55	< NF 61	9,400.00	< NF 61	< NF 61	9,543.75			-30.68	-13.00	17.68	0.00	1.00
11,107.50	70.57	< NF 65	11,280.00	< NF 65	< NF 65	11,452.50			-24.66	-13.00	11.66	0.00	1.00
12,958.75	< NF 69	< NF 69	13,160.00	< NF 69	< NF 69	13,361.25				-13.00			1.00
14,810.00	< NF 71	< NF 71	15,040.00	< NF 71	< NF 71	15,270.00				-13.00			1.00
16,661.25	< NF 72	< NF 72	16,920.00	< NF 72	< NF 72	17,178.75				-13.00			1.00
18,512.50	< NF 68	< NF 68	18,800.00	< NF 68	< NF 68	19,087.50				-13.00			1.00

TCU2 Rev B Tx Spectrum EIRP (PCS mode)

Date: 11/05/04
EUT: TCU2, Rev B
EUT CFG: 17" cable, Conical antenna
PN: 10-J2094-1
SN: 009
MS Class 2
EIRP limit:
IS-98 1,000 mW
FCC 24 2,000 mW
FCC ID 350 mW

Channel 25 (low-band)			Channel 600 mid-band			Channel 1175 (high-band)			Resultant Max Power				
Freq (MHz)	Peak (dBuV/m)		Freq (MHz)	Peak (dBuV/m)		Freq (MHz)	Peak (dBuV/m)		EIRP (dBm)	Limit (dBm)	Margin (dB)	PD@20cm (mW/cm ²)	MPE limit (mW/cm ²)
	V-Pol	H-Pol		V-Pol	H-Pol		V-Pol	H-Pol					
1,851.25	121.5	111.83	1,880.00	119.7	113.48	1,908.75	118.15	111.99	26.27	25.44	-0.83	0.08	1.00
3,702.50	71.81	67.6	3,760.00	67.55	66.03	3,817.50	64.14	63.86	-23.42	-13.00	10.42	0.00	1.00
5,553.75	54.64	49.91	5,640.00	< 49 NF	< 49 NF	5,726.25	< 52 NF	< 52 NF	-40.59	-13.00	27.59	0.00	1.00
7,405.00	< 58 NF	< 58 NF	7,520.00	< 58 NF	< 58 NF	7,635.00	< 61 NF	< 61 NF		-13.00			1.00
9,256.25	< 59 NF	< 59 NF	9,400.00	< 59 NF	< 59 NF	9,543.75	< 63 NF	< 63 NF		-13.00			1.00
11,107.50	< 64 NF	< 64 NF	11,280.00	< 62 NF	< 62 NF	11,452.50	< 70 NF	< 70 NF		-13.00			1.00
12,958.75	< 66 NF	< 66 NF	13,160.00	< 66 NF	< 66 NF	13,361.25	< 70 NF	< 70 NF		-13.00			1.00
14,810.00	< 67 NF	< 67 NF	15,040.00	< 68 NF	< 68 NF	15,270.00	< 65 NF	< 65 NF		-13.00			1.00
16,661.25	< 68 NF	< 68 NF	16,920.00	< 70 NF	< 70 NF	17,178.75	< 73 NF	< 73 NF		-13.00			1.00
18,512.50	< 71 NF	< 71 NF	18,800.00	< 73 NF	< 73 NF	19,087.50	< 70 NF	< 70 NF		-13.00			1.00

EUT CFG: 17" cable, Centurion Flat antenna

Channel 25 (low-band)			Channel 600 mid-band			Channel 1175 (high-band)			Resultant Max Power				
Freq (MHz)	Peak (dBuV/m)		Freq (MHz)	Peak (dBuV/m)		Freq (MHz)	Peak (dBuV/m)		EIRP (dBm)	Limit (dBm)	Margin (dB)	PD@20cm (mW/cm ²)	MPE limit (mW/cm ²)
	V-Pol	H-Pol		V-Pol	H-Pol		V-Pol	H-Pol					
1,851.25	120.37	116.47	1,880.00	119.14	117.76	1,908.75	119.17	113.43	25.14	25.44	0.30	0.06	1.00
3,702.50	71.88	69.01	3,760.00	71.8	66.42	3,817.50	72.14	65.13	-23.09	-13.00	10.09	0.00	1.00
5,553.75	74.68	72.02	5,640.00	77.19	73.81	5,726.25	75.12	73.57	-18.04	-13.00	5.04	0.00	1.00
7,405.00	76.77	73.13	7,520.00	74.84	72.45	7,635.00	70.62	75.23	-18.46	-13.00	5.46	0.00	1.00
9,256.25	< NF 59	< NF 59	9,400.00	< NF 59	< NF 59	9,543.75	< 57 NF	< NF 57		-13.00			1.00
11,107.50	< 67 NF	< 67 NF	11,280.00	68.91	69.81	11,452.50	69.66	65.9	-25.42	-13.00	12.42	0.00	1.00
12,958.75	< 70 NF	< 70 NF	13,160.00	66.99	67.47	13,361.25	< NF 65	< NF 65	-27.76	-13.00	14.76	0.00	1.00
14,810.00	< 71 NF	< 71 NF	15,040.00	< NF 67	< NF 67	15,270.00	< NF 67	< NF 67		-13.00			1.00
16,661.25	< 72 NF	< 72 NF	16,920.00	< NF 67	< NF 67	17,178.75	< NF 71	< NF 71		-13.00			1.00
18,512.50	< 73 NF	< 73 NF	18,800.00	< NF 66	< NF 66	19,087.50	< NF 66	< NF 66		-13.00			1.00

TCU2 Rev B Tx Spectrum EIRP (PCS mode)

Date: 10/24/04
 EUT: TCU2, Rev B
 EUT CFG: 17" cable, Conical antenna
 PN: 10-J2094-1
 SN: 010
 MS Class 2
 EIRP limit:
 IS-98 1,000 mW
 FCC 24 2,000 mW
 FCC ID 350 mW

Channel 25 (low-band)			Channel 600 mid-band			Channel 1175 (high-band)			Resultant Max Power				
Freq (MHz)	Peak (dBuV/m)		Freq (MHz)	Peak (dBuV/m)		Freq (MHz)	Peak (dBuV/m)		EIRP (dBm)	Limit (dBm)	Margin (dB)	PD@20cm (mW/cm ²)	MPE limit (mW/cm ²)
	V-Pol	H-Pol		V-Pol	H-Pol		V-Pol	H-Pol					
1,851.25	119.92	116.93	1,880.00	118.79	113.14	1,908.75	120.54	111.4	25.31	25.44	0.13	0.07	1.00
3,702.50	66.38	65.46	3,760.00	66.83	62.67	3,817.50	65.12	59.66	-28.40	-13.00	15.40	0.00	1.00
5,553.75	55.09	< 48 NF	5,640.00	53.75	< 51 NF	5,726.25	< 50 NF	< 50 NF	-40.14	-13.00	27.14	0.00	1.00
7,405.00	< 62 NF	< 62 NF	7,520.00	< 62 NF	< 62 NF	7,635.00	< 62 NF	< 62 NF		-13.00			1.00
9,256.25	< 63 NF	< 63 NF	9,400.00	< 63 NF	< 63 NF	9,543.75	< 62 NF	< 62 NF		-13.00			1.00
11,107.50	< 66 NF	< 66 NF	11,280.00	< 68 NF	< 68 NF	11,452.50	< 64 NF	< 64 NF		-13.00			1.00
12,958.75	< 70 NF	< 70 NF	13,160.00	< 71 NF	< 71 NF	13,361.25	< 71 NF	< 71 NF		-13.00			1.00
14,810.00	< 72 NF	< 72 NF	15,040.00	< 71 NF	< 71 NF	15,270.00	< 71 NF	< 71 NF		-13.00			1.00
16,661.25	< 72 NF	< 72 NF	16,920.00	< 72 NF	< 72 NF	17,178.75	< 72 NF	< 72 NF		-13.00			1.00
18,512.50	< 69 NF	< 69 NF	18,800.00	< 69 NF	< 69 NF	19,087.50	< 68 NF	< 68 NF		-13.00			1.00

EUT CFG: 17" cable, Flat antenna

Channel 25 (low-band)			Channel 600 mid-band			Channel 1175 (high-band)			Resultant Max Power				
Freq (MHz)	Peak (dBuV/m)		Freq (MHz)	Peak (dBuV/m)		Freq (MHz)	Peak (dBuV/m)		EIRP (dBm)	Limit (dBm)	Margin (dB)	PD@20cm (mW/cm ²)	MPE limit (mW/cm ²)
	V-Pol	H-Pol		V-Pol	H-Pol		V-Pol	H-Pol					
1,851.25	119.37	116.06	1,880.00	121.58	118.32	1,908.75	119.28	117.83	26.35	25.44	-0.91	0.09	1.00
3,702.50	73.82	65.71	3,760.00	72.93	70.69	3,817.50	75.58	71.27	-19.65	-13.00	6.65	0.00	1.00
5,553.75	75.89	67.49	5,640.00	76.28	74.57	5,726.25	74.35	70.94	-18.95	-13.00	5.95	0.00	1.00
7,405.00	73.55	71.56	7,520.00	72.89	71.32	7,635.00	72.98	77.28	-17.95	-13.00	4.95	0.00	1.00
9,256.25	< 62 NF	< 62 NF	9,400.00	< 62 NF	< 62 NF	9,543.75	< 62 NF	< 62 NF		-13.00			1.00
11,107.50	< 66 NF	< 66 NF	11,280.00	< 66 NF	< 66 NF	11,452.50	< 66 NF	< 66 NF		-13.00			1.00
12,958.75	< 70 NF	< 70 NF	13,160.00	< 70 NF	< 70 NF	13,361.25	< 70 NF	< 70 NF		-13.00			1.00
14,810.00	< 70 NF	< 70 NF	15,040.00	< 70 NF	< 70 NF	15,270.00	< 70 NF	< 70 NF		-13.00			1.00
16,661.25	< 72 NF	< 72 NF	16,920.00	< 72 NF	< 72 NF	17,178.75	< 72 NF	< 72 NF		-13.00			1.00
18,512.50	< 69 NF	< 69 NF	18,800.00	< 69 NF	< 69 NF	19,087.50	< 69 NF	< 69 NF		-13.00			1.00