

FCC PART: 2.1053

MANUFACTURER: RITRON, INC.
505 West Carmel Drive
Carmel, IN 46032

MODEL: JMX-441

TYPE OF UNIT: UHF-FM Handheld Transceiver

FCC ID: AIERIT14-441

DATE: Mar 1, 2002

Test Frequency: 465.1 MHz
Test Power: 2.0 watts

JMX-441 with AFS-450 (regular-horizontal)

		Substitution	Sub horz	Max Horz	Max Spur	FCC	FCC
	freq(Ghz)	power(dBm)	reading(dBm)	(dBm)	ERP(dBm)	limit(dBm)	margin(dB)
1	0.4651	0	-28	3	31		
2	0.9302	-10	-46	-68	-32	-20	12
3	1.3953	-10	-52	-75	-33	-20	13
4	1.8604	-10	-55	-72	-27	-20	7
5	2.3255	-13	-58	-77	-32	-20	12
6	2.7906	-20	-68	-72	-24	-20	4
7	3.2557	-30	-80	-79	-29	-20	9
8	3.7208	-28	-82	-89	-35	-20	15
9	4.1859	-33	-85	-88	-36	-20	16
10	4.651	-30	-81	-92	-41	-20	21

JMX-441 with AFS-450 (regular-vertical)

		Substitution	Sub Vert	Max Vert	Max Spur	FCC	FCC
	freq(Ghz)	power(dBm)	reading(dBm)	(dBm)	ERP(dBm)	limit(dBm)	margin(dB)
1	0.4651	0	-28	3	31.0		
2	0.9302	-10	-46	-62	-26	-20	6
3	1.3953	-10	-53	-67	-24	-20	4
4	1.8604	-10	-57	-74	-27	-20	7
5	2.3255	-13	-60	-78	-31	-20	11
6	2.7906	-20	-74	-78	-24	-20	4
7	3.2557	-30	-80	-76	-26	-20	6
8	3.7208	-28	-80	-89	-37	-20	17
9	4.1859	-33	-88	-87	-32	-20	12
10	4.651	-30	-81	-93	-42	-20	22

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JMX-441 with AFS-450s (stubby-horizontal)

		Substitution	Sub horz	Max Horz	Max Spur	FCC	FCC
	freq(Ghz)	power(dBm)	reading(dBm)	(dBm)	ERP(dBm)	limit(dBm)	margin(dB)
1	0.4651	0	-28	1	29.0		
2	0.9302	-10	-46	-67	-31.0	-20	11
3	1.3953	-10	-52	-77	-35.0	-20	15
4	1.8604	-10	-55	-71	-26.0	-20	6
5	2.3255	-13	-58	-68	-23.0	-20	3
6	2.7906	-20	-68	-77	-29.0	-20	9
7	3.2557	-30	-80	-76	-26.0	-20	6
8	3.7208	-28	-82	-85	-31.0	-20	11
9	4.1859	-33	-85	-84	-32.0	-20	12
10	4.651	-30	-81	-88	-37.0	-20	17

JMX-441 with AFS-450s (stubby-vertical)

		Substitution	Sub Vert	Max Vert	Max Spur	FCC	FCC
	freq(Ghz)	power(dBm)	reading(dBm)	(dBm)	ERP(dBm)	limit(dBm)	margin(dB)
1	0.4651	0	-28	1.5	29.5		
2	0.9302	-10	-46	-58	-22.0	-20	2
3	1.3953	-10	-53	-66	-23.0	-20	3
4	1.8604	-10	-57	-75	-28.0	-20	8
5	2.3255	-13	-60	-72	-25.0	-20	5
6	2.7906	-20	-74	-85	-31.0	-20	11
7	3.2557	-30	-80	-74	-24.0	-20	4
8	3.7208	-28	-80	-82	-30.0	-20	10
9	4.1859	-33	-88	-89	-34.0	-20	14
10	4.651	-30	-81	-92	-41.0	-20	21