

Company: ANAREN

Project #: 16M23387

Model: A43364A, 2dBi

(Model differences: Identical except A43364Axx has an integral printed antenna (2dBi) and A43364Cxx has a U.FL connector (3dBi))

Date: 06/07/16

				RADIATED	
MODE/RATE	CHANNEL	FREQUENCY	TARGET=Level 0	BANEDGE	HARMONIC
		(MHz)	Highest setting		
11b / 1Mbps	1	2412	0	8=22.60 / -0.96	0=24.27 / -8.21
	2	2417	0	7=22.90 / -1.44	
	3	2422	0	0=23.96 / -1.94	
	4	2427			
	5	2432			
	6	2437	0	0=24.35 / -2.40	0=24.35 / -2.62
	7	2442	0	3=23.64 / -0.17	
	8	2447	0	13=21.64 / -2.78	
	9	2452	0	16=21.10 / -1.07	
	10	2457	0	22=19.86 / -0.31	
	11	2462	0	26=18.95 / -0.85	0=24.62 / -3.14
11g / 6Mbps	1	2412	0	7=20.08 / -0.61	0=21.71 / -7.45
	2	2417	0	1=21.74 / -0.51	
	3	2422	0	0=21.97 / -2.98	
	4	2427			
	5	2432			
	6	2437	0	0=22.28 / -2.87	0=22.28 / -2.96
	7	2442	0	2=21.67 / -0.04	
	8	2447	0	8=20.18 / -0.87	
	9	2452	0	17=18.21 / -0.53	
	10	2457	0	23=16.50 / -0.63	
	11	2462	0	29=15.20 / -0.03	0=22.62 / -3.29
HT20 / MCS0	1	2412	0	8=19.75 / -0.49	0=21.82 / -8.65
	2	2417	0	2=21.31 / -1.28	
	3	2422	0	0=21.94 / -3.53	
	4	2427			
	5	2432			
	6	2437	0	0=22.07 / -1.94	0=22.07 / -3.42
	7	2442	0	3=21.25 / -0.55	
	8	2447	0	9=19.63 / -1.19	
	9	2452	0	17=18.00 / -0.07	
	10	2457	0	23=16.50 / -0.09	

	11	2462	0	30=14.92 / -0.26	0=22.65 / -3.86
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Notes:

- 1 = No testing
- 2 **Conducted Tests:** For antenna port testing, model A43364C was considered representative of model A43364A.
- 3 **Radiated Tests :** For radiated emissions testing, both models A43364A and A43364C were tested.

CONDUCTED			
POWER	PSD	EMISSION	FINAL OUTPUT POWER
Level/dBm/dB			Level/dBm
2=23.81 / -4.4	2=23.81 / -6.19	2=23.81 / -1.25	8=22.60
			7=22.90
			0=23.96
0=24.35 / -5.1	0=24.35 / -5.65	0=24.35 / -23.52	0=24.35
			3=23.64
			13=21.64
			16=21.10
			22=19.86
0=24.62 / -6.4	0=24.62 / -5.38	0=24.62 / -15.13	26=18.95
7=20.18 / -10.0	7=20.18 / -9.82	7=20.18 / -2.01	7=20.08
			1=21.74
			0=21.97
0=22.28 / -10.01	0=22.28 / -7.72	0=22.28 / -22.71	0=22.28
			2=21.67
			8=20.18
			17=18.21
			23=16.50
0=22.62 / -9.5	0=22.62 / -7.38	0=22.62 / -5.24	29=15.20
7=20.20 / -10.3	7=20.20 / -9.80	7=20.20 / -1.09	8=19.75
			2=21.31
			0=21.94
0=22.07 / -9.5	0=22.07 / -7.93	0=22.07 / -20.56	0=22.07
			3=21.25
			9= 19.63
			17= 18.00
			23= 16.50

$0=22.65 / -9.6$	$0=22.65 / -7.35$	$0=22.65 / -4.17$	$30= 14.92$
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Company: ANAREN

Project #: 16M23387

Model: A43364C, 3dBi

(Model differences: Identical except A43364Axx has an integral printed antenna (2dBi) and A43364Cxx has a U.FL connector (3dBi))

Date: 06/07/16

				RADIATED	
MODE/RATE	CHANNEL	FREQUENCY	TARGET=Level 0	BANEDGE	HARMONIC
		(MHz)	Highest setting		
11b / 1Mbps	1	2412	0	14= 21.12 / -0.01	0=24.27 / -3.26
	2	2417	0	12= 21.94 / -0.28	
	3	2422	0	4= 23.37 / -1.11	
	4	2427	0	4= 23.49 / -1.00	
	5	2432	0	1= 24.00 / -0.83	
	6	2437	0		0=24.35 / -0.84
	7	2442	0	2= 23.86 / -0.12	
	8	2447	0	5= 23.35 / -1.17	
	9	2452	0	6= 23.32 / -1.01	
	10	2457	0	14= 21.63 / -0.94	
	11	2462	0	16= 21.38 / -0.48	0=24.62 / -2.94
11g / 6Mbps	1	2412	0	11= 19.12 / -0.50	0=21.71 / -4.69
	2	2417	0	5= 20.59 / -0.51	
	3	2422	0	1= 21.88 / -1.29	
	4	2427	0	0= 22.05 / -3.44	
	5	2432			
	6	2437	0		0=22.28 / -7.31
	7	2442	0	0= 22.13 / -3.27	
	8	2447	0	1= 22.08 / -0.35	
	9	2452	0	7= 20.56 / -0.35	
	10	2457	0	11= 19.72 / -0.33	
	11	2462	0	20= 17.47 / -0.14	0=22.62 / -3.46
HT20 / MCS0	1	2412	0	14= 18.01 / -0.13	0=21.82 / -4.69
	2	2417	0	6= 20.57 / -0.50	
	3	2422	0	3= 21.12 / -0.30	
	4	2427	0	0= 21.98 / -2.75	
	5	2432			
	6	2437	0		0=22.07 / -4.09
	7	2442	0	0= 21.95 / -2.81	
	8	2447	0	2= 21.63 / -0.07	
	9	2452	0	6= 20.64 / -0.44	
	10	2457	0	14= 18.82 / -0.30	
	11	2462	0	22= 16.97 / -0.40	0=22.65 / -2.97

Notes:

- 1  = No testing
- 2 ***Conducted Tests: For antenna port testing, model A43364C was considered representative of model A43364A.***
- 3 ***Radiated Tests : For radiated emissions testing, both models A43364A and A43364C were tested.***

CONDUCTED			
POWER	PSD	EMISSION	FINAL OUTPUT POWER
Level/dBm/dB			Level/dBm
2=23.81 / -6.19	2=23.81 / -4.4	2=23.81 / -1.25	14= 21.12
			12= 21.94
			4= 23.37
			4= 23.49
			1= 24.00
0=24.35 / -5.65	0=24.35 / -5.1	0=24.35 / -23.52	0=24.35
			2= 23.86
			5= 23.35
			6= 23.32
			14= 21.63
0=24.62 / -5.38	0=24.62 / -6.4	0=24.62 / -15.13	16= 21.38
7=20.18 / -9.82	7=20.18 / -10.0	7=20.18 / -2.01	11= 19.12
			5= 20.59
			1= 21.88
			0= 22.05
0=22.28 / -7.72	0=22.28 / -10.01	0=22.28 / -22.71	0= 22.28
			0= 22.13
			1= 22.08
			7= 20.56
			11= 19.72
0=22.62 / -7.38	0=22.62 / -9.5	0=22.62 / -5.24	20= 17.47
7=20.20 / -9.80	7=20.20 / -10.3	7=20.20 / -1.09	14= 18.01
			6= 20.57
			3= 21.12
			0= 21.98
0=22.07 / -7.93	0=22.07 / -9.5	0=22.07 / -20.56	0=22.07
			0= 21.95
			2= 21.63
			6= 20.64
			14= 18.82
0=22.65 / -7.35	0=22.65 / -9.6	0=22.65 / -4.17	22= 16.97