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DATASHEET

Wi-Fi 6E/7 2.4/5/6GHz Antenna ANTSOWF602M01001

DESCRIPTION

ANT,Wi-Fi-6G,2400-2500MHz,5150-5850MHz,6150-7200MHz,RP-SMA Plug,2-5dBi,188/146x21.6mm,A01-0521618827-A0

Electrical Data

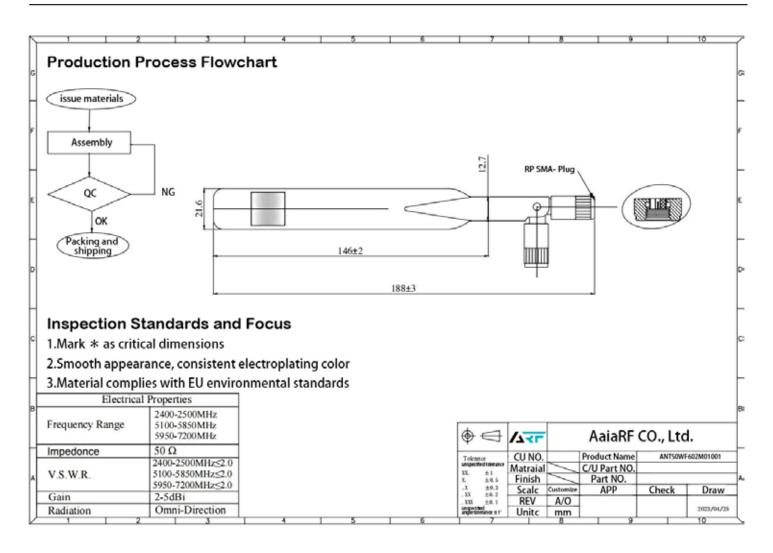
Frequency Range	2400~2500MHz							
	5150~5850MHz							
	5150~7200MHz							
Gain	2-5dBi							
VSWR	2400~2500MHz@≤2.5							
	5150~5850MHz@<2.5							
	6150~7200MHz@≤4.013°							
Polarization	Vertical							
Impedance	50Ω							
Admitted power radiation	1W							
Pattern of Radiation	Toroidal							
Radiation	Omni							
Connector Type	RP-SMA Plug							

Mechanical Data

Operation temperature range	-20°C~+85°C
Storage temperature range	-20°C~+85°C
Color	Black
Dimension	As diagram
Weight	11.4 g
Main Material	PC/PC+PBT/POM/ Brass/RG316/PCB/



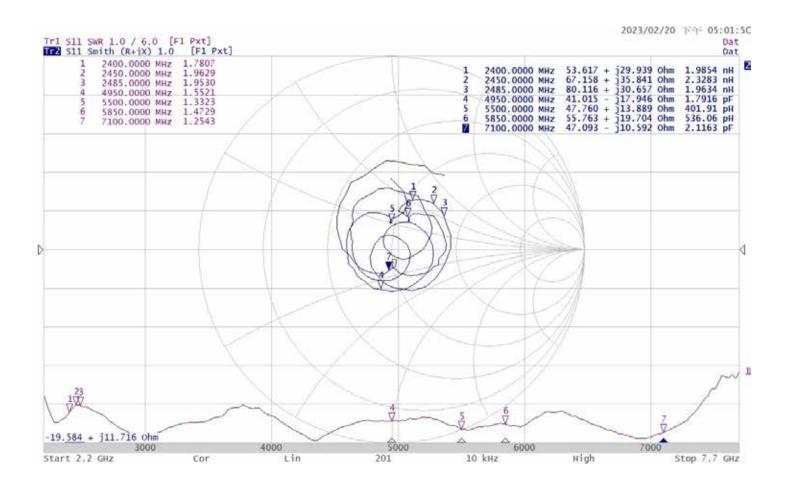
Diagram







V.S.W.R Report







Gain Test Report

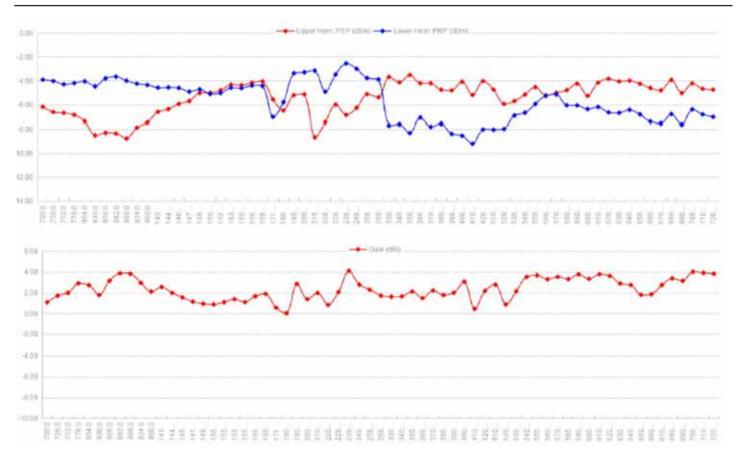
Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Frequency (MHz)	700.0	726.0	752.0	778.0	804.0	830.0	856.0	882.0	908.0				1445.0	1460.0		1490.0	1505.0	1520.0		1550.0
Point Values		12.010	1 112.10		00 110					33.00	20010		1 Tratto				100010		100010	
Ant. Port Input Pwr. (dBm)	0.00	0.00	0,00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0,00	0.00	0.00	0,00	0.00	0.00	0.00	0.00	0.00	0.00
Tot. Rad. Pwr. (dBm)	-1.90	2.12	-2.33		-2.40		-2.49	-2.39		-2.69	-2.63		2.36	-7.21	-2.28	-1.86	-2.05	1.90	1.45	-1.49
Peak EIRP (dBm)	1.06	1.71	1.99	_	2.74	_	3.15	and the second se	and the second se	2.96	2.11	2.56	1.99	1.55	1.14	0.95	-	1.09	and the second se	1.10
Directivity (dBi)	2.97	3.84	4.32	a subscription of the second se	5.13		5.64	6.27	6.58	5.65	4,74	5.03	4.35	3.77	3.42	2.81	2.92	2.99	2,83	2,59
Efficiency (dB)	-1.90	-2.12	-2.33	and the second se	the second se	and the second se	-2.49	-2.39	-2.75	-2.69	-2.63	and the second se	-2.36	-2.21	-2.28	-1.86	and the second se	-1.90	and the second se	-1.49
Efficiency (%)	64.60	61.30									54.60			60,10	59,20			64,60		71.00
Gain (dBi)	1.08	1.71	1.99	and the second se	2.74		and the second second second	and a state of the	and the second se	2.96	2.11	2.56	1.99	1.55	1.14	0.95	and the second se	1.09	1.38	1.10
NHPRP ±Pi/4 (dBm)	-3.05	-3.66	-4.26				-4.68	and the second se	a second s	-5.02	-4.76		-3.75	-3.49	-3.49	-2.97		-2.87	-2.45	-2.53
NHPRP ±Pi/6 (dBm)	-4.38	-4.96	-5.71					6.87	-7.11	6.60	6.79		-5.05	-4.61	-4.51	3.94		-3.87	-3.45	-1.51
NHPRP ±Pi/8 (dBm)	-5.56	-5.92	-6.64				-8.50	-8.62		-8.39	-7.81	-7.23	-6.23	-5,49	-5.21	-4.58	-4.74	4,59		-4.25
Upper Hens, PRP (dBm)	-6.19	-6.62	-6.70		-7.38		-8.30	-8.35	-8,77	-7.87	-7.47		-6.38	-5.94	-5.70	-5.02	-5.02	-4.80	-4.34	-4.38
Lower Hem. PRP (dBm)	-3.92	-4.03	-4.31					-3.66		-4.26	-4.36		-4.56	-4.61	-1.92	-4.72		-5.03	-4.59	-4.62
Upper Hens, PRP (%)	24.05	21.77	21.40	-			14.79		13.26	16.31	17,92		23.04	25.45	26,94	31.47		33.12		36.44
Lower Hem. PRP (%)	40.56				the second s	and the second se	and the second se	and a second sec		37.52	36,64		34.97		32.21			and interfactor interfactor	and the second se	
and the first first first	1 101200		L	1		1			() enore		1001010	1				1.1550049	1 Orional	1	1 . Sectored	1.00
Frequency ID	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
Frequency (MHz)	1565.0	1580.0	1710.0	1808.0	1906.0	2004.0	2102.0	2200.0	2298.0	2396.0	2494.0	2592.0	2690.0	3300.0	3400.0	3500.0	3600.0	3700.0	3800.0	3900.0
Point Values																				
Ant. Port Input Pwr. (dBm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tot, Rad, Pwr. (dBm)	-1.28	-1.23	-3.22	-3.12	-1.19	-1.11	-2.08	-2.99	-1.55	-1.18	-1.33	-1.39	-1.57	-2.24	-2.53	-2.28	-2.40	-2.64	-2.93	-3.23
Peak EIRP (d8m)	1.66	1.90	0,56	0.03	2.86	1.38	1.98	0.83	2.07	4.11	2.79	2.30	1.72	1.62	1.65	2.12	1.49	2.22	1.78	2.00
Directivity (dBi)	2.94	3.13	1.79	3.15		2.49		3.82	3.61	5.29	4.11	3.69	3.28	3.86	4.18	4.39				5.22
Efficiency (dB)	-1.28	-1.23	-3.22	-3.12	-1.19	-1.11	-2.08	-2.99	-1.55	-1.18	-1.33	-1.39	-1.57	-2.24	-2.53	-2.28	-2.40	-2.64	-2.93	-3.23
Efficiency (%)	74.50	75.30	47.60	48.80	76.00	77.40	61.90	50.20	70.00	76.10	73.70	77.60	69.70	59.70	55.90	59.20	57.50	54.40	50.90	47.60
Gain (dBi)	1.66	1.90	0.56	0.03	2.86	1.38	1.98	0.83	2.07	4.11	2.79	2.30	1.72	1.62	1.65	2.12	1,49	2.22	1.78	2.00
NHPRP ±Pi/4 (d8m)	-2.38	-2.38	-4.58	-4.76	-2.90	-1.82	-3.31	-3.72	-2.22	-1.63	-1.89	-2.10	-2.89	-3.36	-4.07	-3.40	-3.76	-3.77	-4.21	-4.14
NHPRP ±Pi/6 (dBm)	-3.30	-3.20	-5.89	-6.45	-3.93	-2.80	-4.71	-4.52	-2.98	-2.40	-2.74	-3.31	-4.39	-4.73	-5.89	-5.13	-5.54	-5.77	-6.74	-6.22
NHPRP ±Pi/8 (d8m)	-4.03	-3.88	-7.05	-7.75	-4.62	-3.65	-5.83	-5,68	-3.51	-3.00	-3.38	-1.34	-5.46	-5.79	-7.37	-6.50	-6.85	-7.46	9.23	-8.28
Upper Hem. PRP (dBm)	-4.17	-4.06	-5.56	-5.48	-5.21	-5.15	-8.67	-7.45	-6.00	-6,85	-6.28	-5.13	-5.39	-3.68	-4.14	-3.52	-4.21	-4.22	-4.75	-4.81
Lower Hem. PRP (dBm)	-4,40	-4.43	-7.02	-5.80	-3.38	-3.30	-3.16	-4.92	-3.48	-2.56	-3.00	-3.78	-3.89	-7.72	-7.62	-8.31	-7.07	-7.82	-7.57	-8.38
Upper Hem. PRP (%)	38.24	39.29	27.77	22.47	30.10	30.56	13.56	17.99	25.14	20.64	23.57	30.72	28.90	42.81	38.59	44.44	37.89	37.89	33.44	33.05
Lower Hem. PRP (%)	36.27	36.04	19.87	26.29	45.87	46.81	48.33	32.21	44.87	55.50	50,10	41.91	40.80	16.91	17.29	14.75	19.61	16.54	17.49	14.51
														-				-		
Frequency ID	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
Frequency (MHz)	4000.0	4100.0	4200.0	5100.0	5200.0	5300.0	5400.0	5500.0	5600.0	5700.0	5800.0	5900.0	6000.0	6100.0	6200.0	6300.0	6400.0	6500.0	6600.0	6700.0
Point Values												-								
Ant. Port Input Pwr. (dBn)	0.00	0.00		-	-	-		0.00	0.00	0.00	0.00		0.00	-					-	and the second sec
Tot. Rad. Pwr. (dBm)	-2.76	-3.74				and the second se	-2.85	-2.18		-2.07	-2.37	-2.05	-2.78			-2.17				
Peak EBP (dBm)	3.08	and the second se	A	COLUMN T			and the second s			3.53	3.31	3.77	3.34	and the second second	A	Courses.	and the second design of the s	and the second s	and the second se	and the second s
Directivity (dBi)	5.04	4.20			4,72			5.00	5,54	5.60	5.68		6.11		5.64	5.00				
Efficiency (d8)	-2.76		Concernance in the second		and the second second second second	Concernant of the local division of the	And an opposite the second sec	And in case of the local data	and the second second second second	-2.07	-2.37	Conception of the local division of the loca	In concerning the second second	and the second s	Concernation of the local distance in the	In other sector that has a		A DESCRIPTION OF TAXABLE PARTY.	ing and a second se	
Efficiency (%)	53.00									62.00	3.31									
Gain (dBi)	3.08	0.46	and the second se		and the second se		A COLUMN TWO IS NOT THE OWNER OF THE OWNER OWNE	and the second se			the second se	and the second se	3.34	and the second se			and an inclusion of the local of the			
NHPRP ± Pi/4 (dBm)	-3.97	-5.01						-5.49		-4.61	-4.80									
NHPRP ±Pi/6 (dBm) NHPRP ±Pi/8 (dBm)	-7.68	-0.43			-	Conception of the local division of the loca	and the second s	the second se	-	-7.48	-7.01	and the second s							the second se	the subscription of the local division of the local division of the local division of the local division of the
and the second se	-7.08							-9.59		-5.02	-8.10		-5.26	a second second second						and the second s
Upper Hem. PRP (dBm) Lower Hem. PRP (dBm)	-8.54		-4,04						-5.27	-5.15	-5.05	-6.07	-6.38		-	-6.69	and the second data			
Upper Hem. PRP (%)	-8.94	30.27	and the second se			and the second se	and the second second			-5.15	-0,00	37.50	29.75	-	and the second se	-0.09	and the second se	a second s	and the second se	
		a stand		n 03-04	1. 1.1.49	10.00.000		100.00		011/10	- united of		49.63			1 89.63	1 39.03	12.1.107.799	1.00.00	4
Lower Hem. PRP (%)	13.99	12.00	15.77	15.64	15.92	20.41	21.48	25,43		30.58	24.75	24.71	23.03	24.00	21.62	21.43	22.70	20.82	18.20	17.61

Frequency ID	61	62	63	64	65
Frequency (MHz)	6800.0	6900.0	7000.0	7100.0	7200.0
Point Values					
Ant. Port Input Pwr. (dBm)	0.00	0.00	0.00	0.00	0.00
Tot. Rad. Pwr. (dBm)	-2.12	-3.13	-7.18	-2.61	-2.73
Peak EBRP (dBm)	3.38	3.15	4.02	3.92	3.83
Directivity (dBi)	5.50	6.29	6.19	6.53	0.36
Efficiency (dll)	-2.12	-3.13	-2.18	-2.61	-2.73
Efficiency (%)	61.40	48.60	60.60	54.90	53.30
Gain (dBi)	3.38	3.15	4.02	3.92	3.83
NHPRP ± Pi/4 (dBm)	-4.22	-5.15	-4.22	-5.12	-5.48
NHPRP ± PU/6 (dBm)	-5.26	-5,93	-4.87	-5.74	-6.20
NHPRP ±Pi/8 (dBm)	-5.73	-6.29	-5.17	-6.07	-6.61
Upper Hem. PRP (dBm)	-3.43	-5.03	-4.23	-4.68	-4.75
Lower Hem. PRP (dBm)	-6.78	-7.65	-6.41	-6.81	-7.02
Upper Hem. PRP (%)	40.42	31.39	37.72	34.05	33.49
Lower Hem. PRP (%)	20.98	17.20	22.88	20.83	19.85





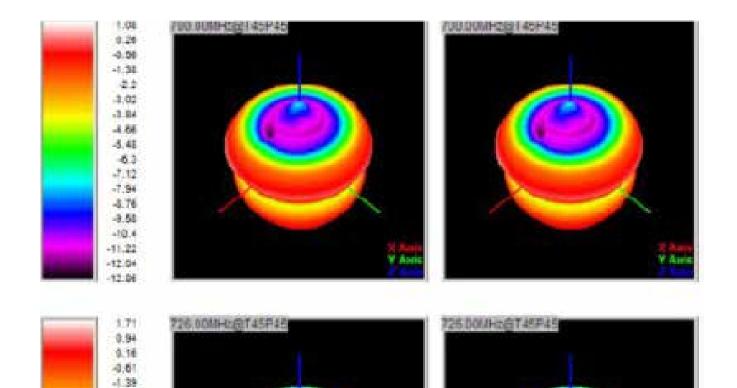
Gain Test Report

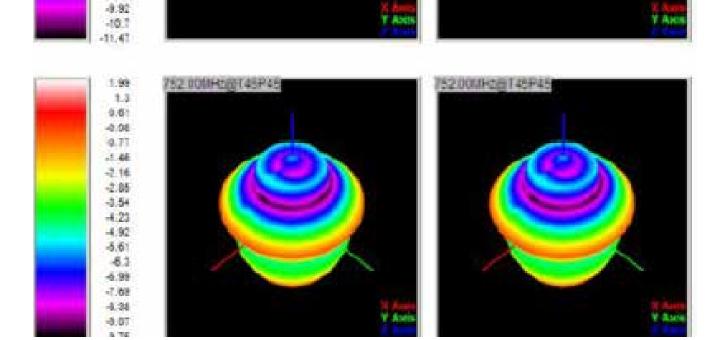




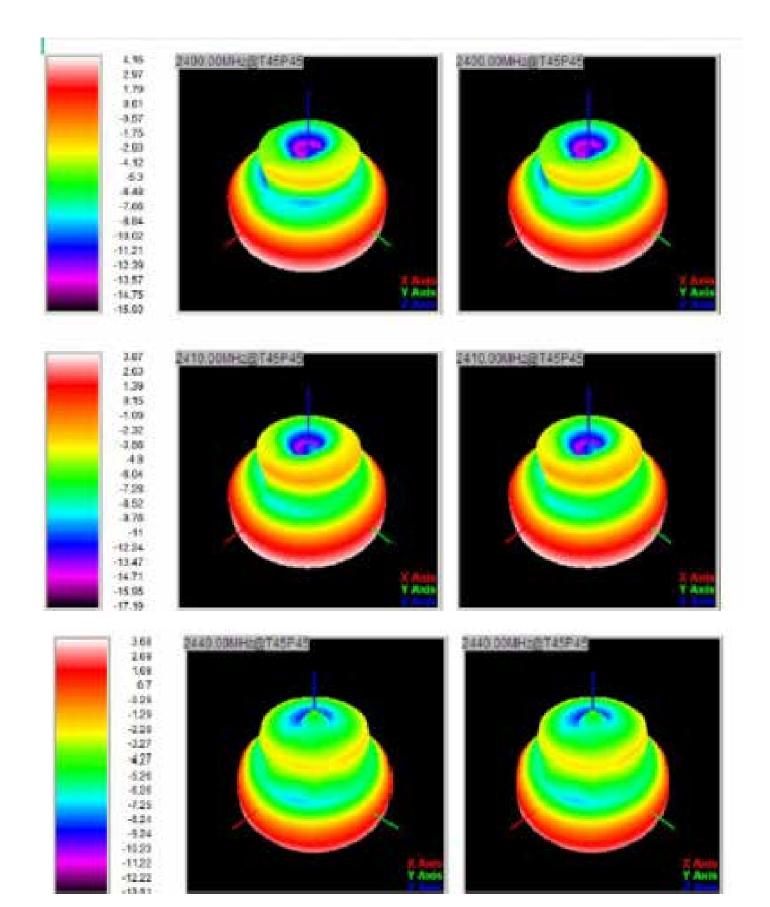


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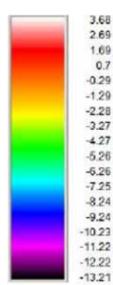


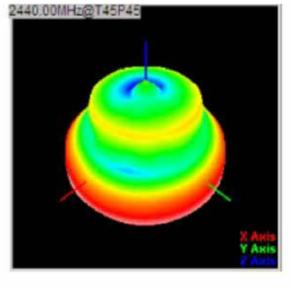


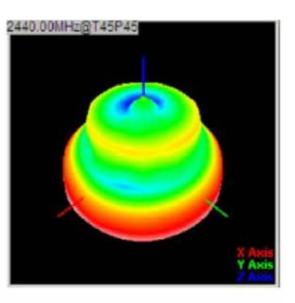


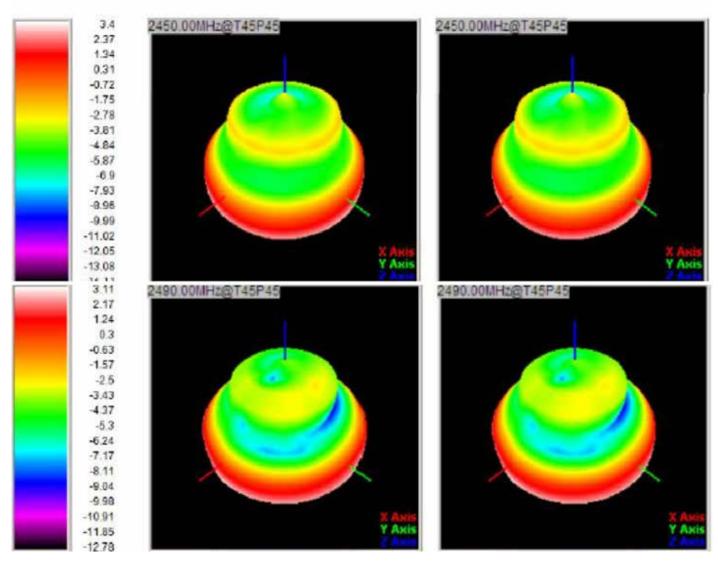




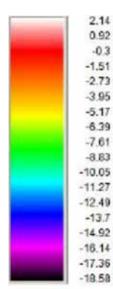


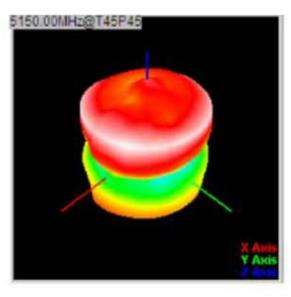


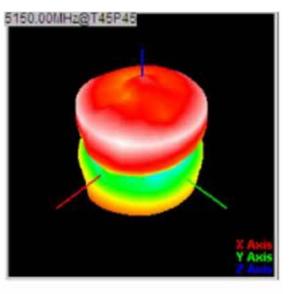


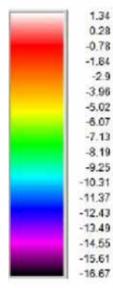


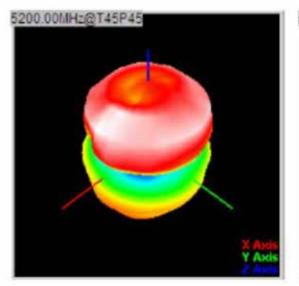


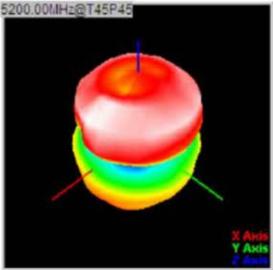


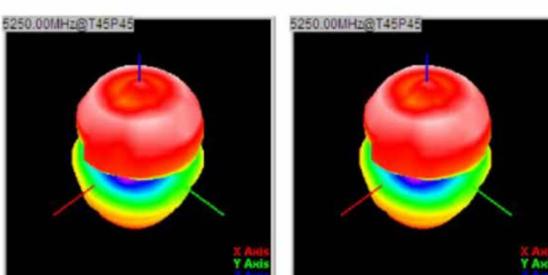


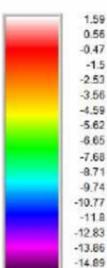












1.59

0.56

-1.5

-15.92