Product Acknowledgment

Cuctmar	•
Custmer	•

Description : 2.4G 2DB FPC Antenna RF1.13+IPEX,L=80mm

Part No. :

Customer P/N:

Date : 2022-1-17

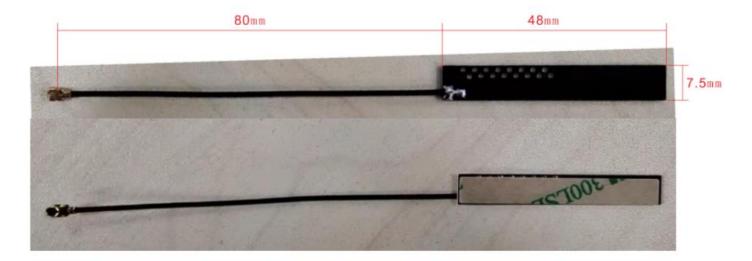
Engineering Department	QC Department	Sales Department
Zhou Min	Zhuang Jiawen	Zhang Fuli

Signature and seal of the customer

Engineering Department	QC Department	Purchasing Department

^{*} Attachment column of samples confirmed by customers

1. Product Structure Diagram



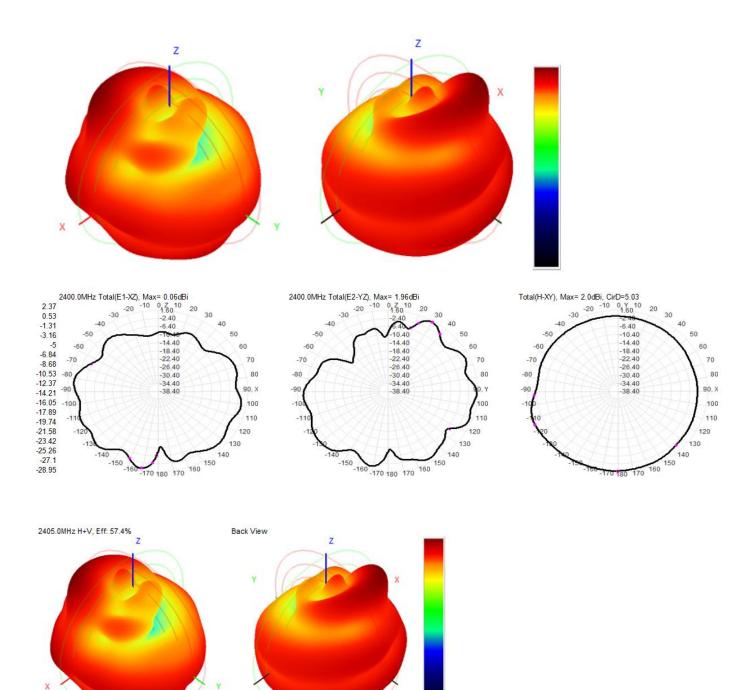
2. Electrical technical parameters

Electrical Specifications									
Frequency Range	2400-2500Mhz								
VSWR	≤1.5								
Input Impedance	50 Ω								
Mechanical Specifications									
Antenna Color	Black								
Cable length	80mm								
Working Temperature	-40℃~+ 85℃								
Working Humidity	20~ 80%								

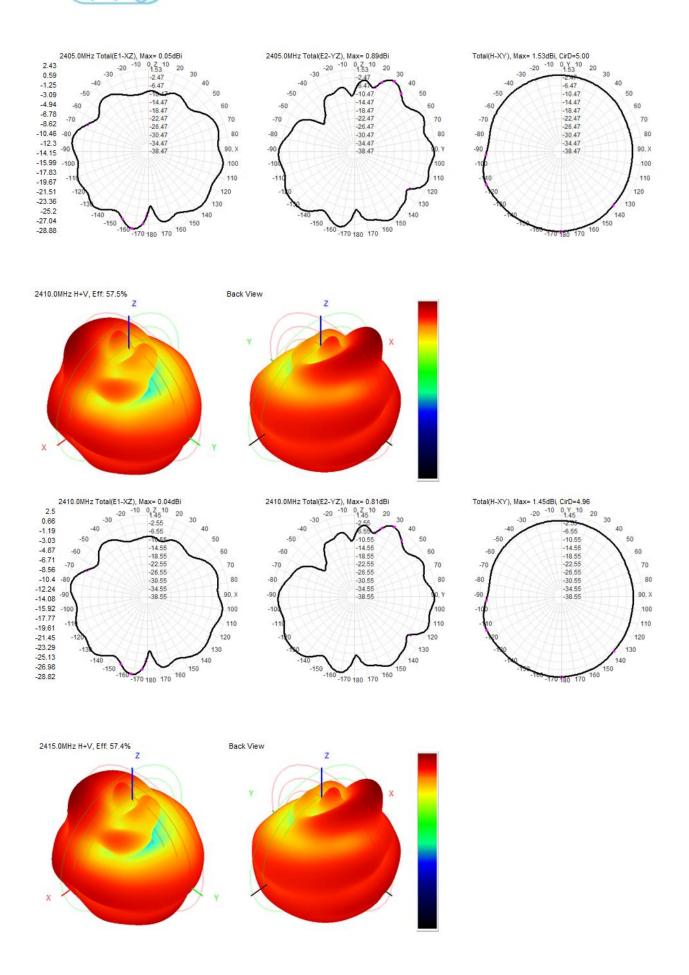
3. 2400.0MHz H+V, View

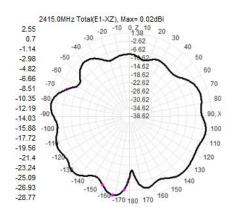
Network distribution test diagram:

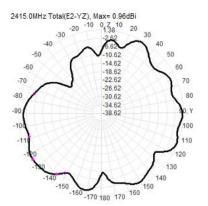


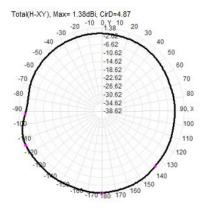


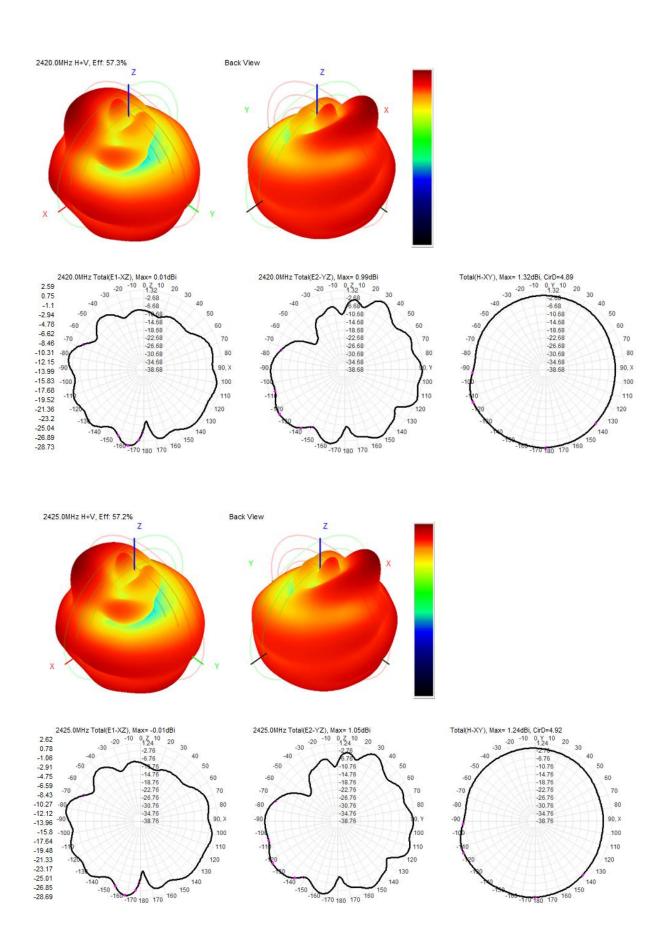
SEND COMMUNICATIONS TECHNOLOGY CO., LTD.

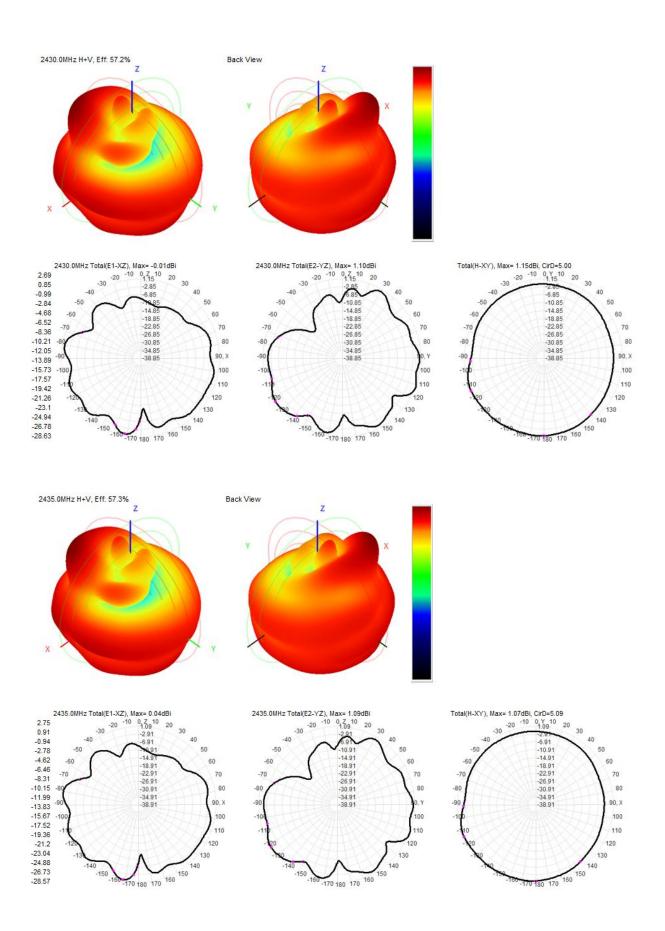


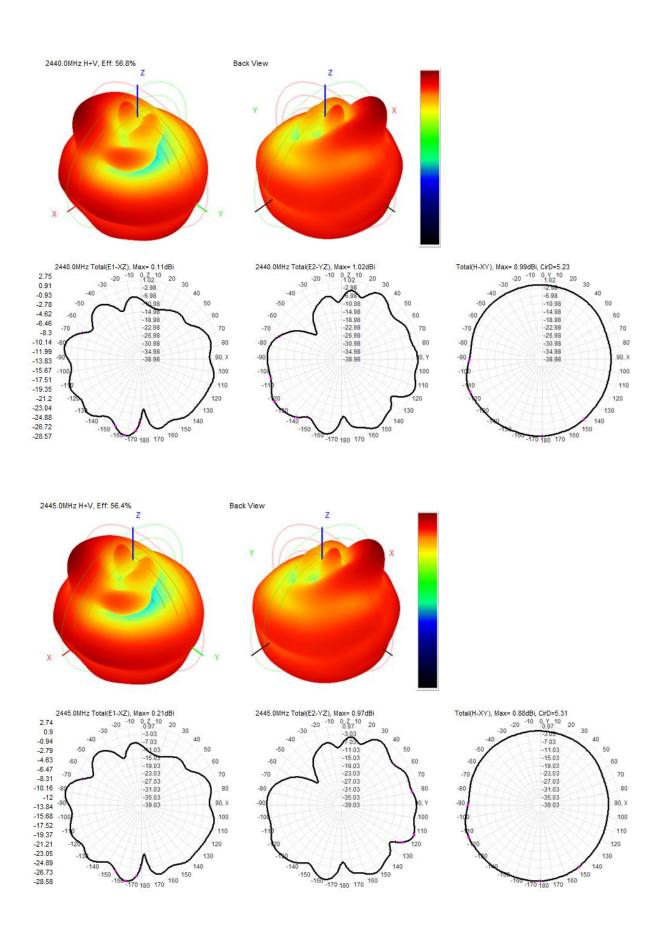


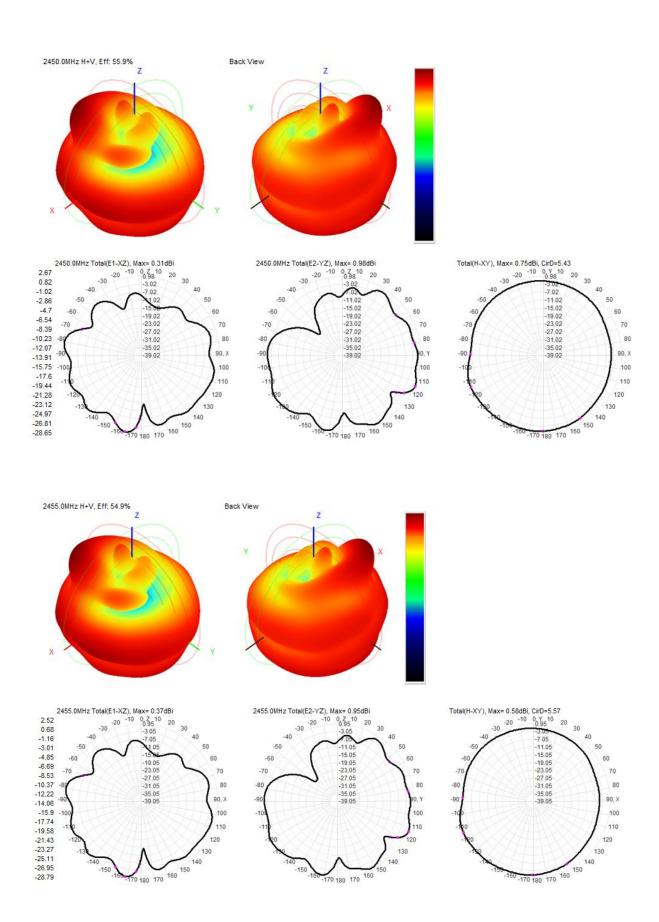


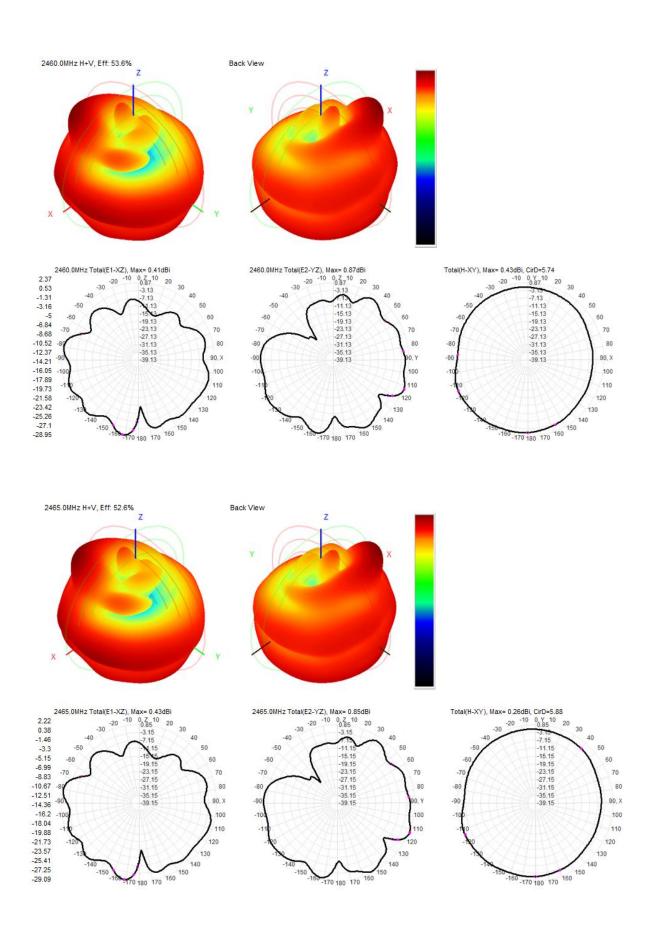


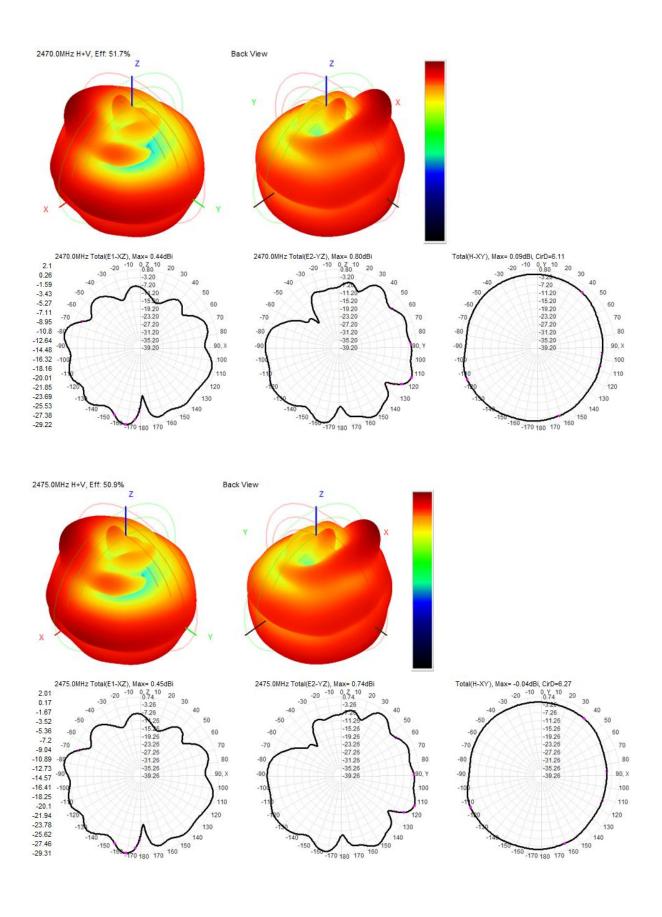


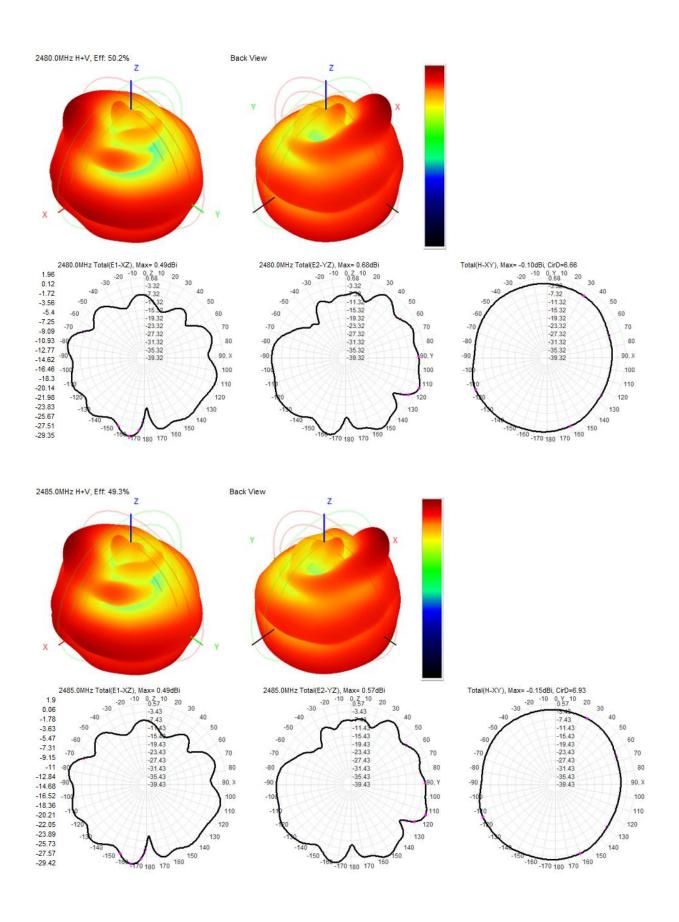


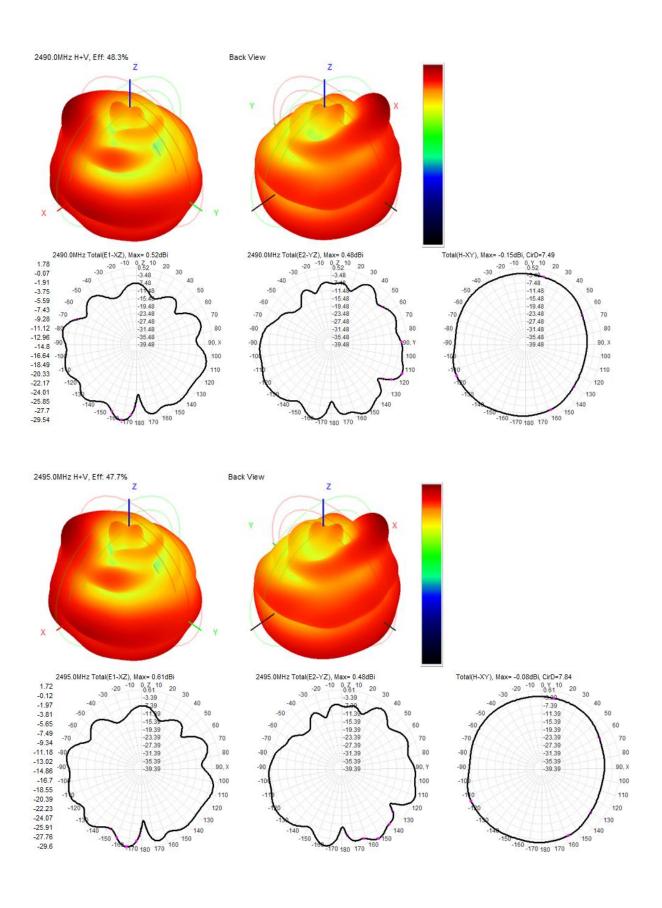


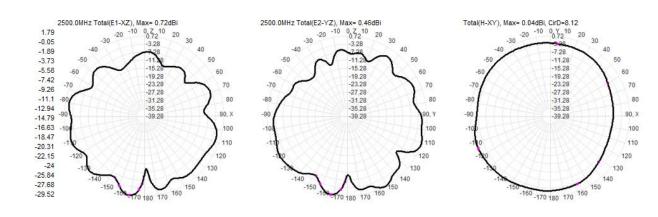












4. Antenna test data

Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Frequency (MHz)	2400.0	2405.0	2410.0	2415.0	2420.0	2425.0	2430.0	2435.0	2440.0	2445.0	2450.0	2455.0	2460.0	2465.0	2470.0	2475.0	2480.0	2485.0	2490.0	2495.0	2500.0
Efficiency (dBi)	-2.40	-2.41	-2.41	-2.41	-2.42	-2.42	-2.42	-2.42	-2.45	-2.49	-2.53	-2.61	-2.71	-2.79	-2.87	-2.93	-2.99	-3.07	-3.16	-3.22	-3.26
Gain (dBi)	1.90	2.10	2.01	2.01	1.90	2.10	1.90	2.01	1.90	1.96	1.98	1.96	1.98	3.00	1.96	2.01	1.96	1.90	1.98	2.01	2.13
Efficiency (%)	57.56	57.42	57.48	57.39	57.25	57.24	57.23	57.26	56.82	56.41	55.85	54.89	53.58	52.62	51.68	50.91	50.23	49.26	48.32	47.67	47.18
Directivity (dB)	4.77	4.84	4.90	4.96	5.01	5.04	5.11	5.17	5.21	5.23	5.20	5.13	5.08	5.01	4.97	4.94	4.95	4.97	4.94	4.94	5.05
Peak Gain Position (Theta)	34.00	34.00	35.00	35.00	35.00	36.00	36.00	36.00	37.00	37.00	37.00	37.00	38.00	38.00	38.00	38.00	38.00	38.00	38.00	102.00	101.00
Peak Gain Position (Phi)	320.00	319.00	321.00	321.00	321.00	322.00	322.00	322.00	323.00	323.00	323.00	322.00	322.00	322.00	322.00	321.00	322.00	322.00	322.00	334.00	334.00
Efficiency ThetaPol (%)	46.17	45.87	45.79	45.58	45.36	45.33	45.24	45.31	45.04	44.86	44.59	43.99	43.14	42.54	41.92	41.41	41.00	40.42	39.86	39.52	39.35
Efficiency PhiPol (%)	11.38	11.55	11.68	11.81	11.90	11.91	11.98	11.94	11.78	11.56	11.26	10.90	10.44	10.08	9.76	9.50	9.23	8.84	8.46	8.15	7.83
Upper Hem. Efficiency (%)	23.29	22.68	22.21	21.81	21.58	21.55	21.60	21.69	21.61	21.49	21.22	20.72	20.09	19.49	18.82	18.14	17.54	16.84	16.11	15.56	15.18
Lower Hem. Efficiency (%)	34.27	34.74	35.26	35.58	35.67	35.69	35.62	35.57	35.21	34.92	34.63	34.17	33.49	33.13	32.86	32.77	32.70	32.43	32.21	32.12	32.01