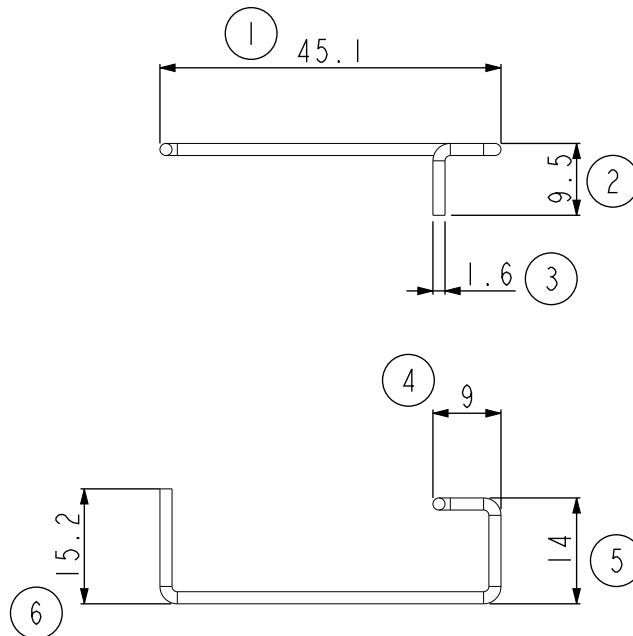


Note:

1. (N) BALL SYMBOLS ARE CRITICAL DIMENSIONS

REVISIONS

REV	DESCRIPTION	ENGR
0A	1ST ISSUE	0801



Climax

CLIMAX PRECISION IND. CO., LTD.
Research and Design

Drawn: Morris

Designed: Wiss

Checked: Elane

Approved: Elane

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DIMENSIONAL TOLERANCES ±	M1	M2	S1	S2	P1	P2	C
0~6	0.05	0.10	0.15	0.20	0.05	0.10	0.5
6~30	0.10	0.20	0.15	0.25	0.10	0.15	1.0
30~80	0.15	0.25	0.20	0.30	0.20	0.40	2.0
80~180	0.15	0.30	0.25	0.45	0.40	0.80	3.0
180~315	0.20	0.50	0.40	0.60	0.60	1.20	3.0
315~800	0.30	0.80	0.70	1.10	0.80	1.50	4.0

Material:

銅包鋼線



Treatment:

鍍鎳

A4
SIZE

DESCRIPTION:

BX29(BX23) 868 antenna

PART NO.:

8403000302C

REV.

M01

SCALE 1:1

UNITS

MM

USED ON

DWING NAME

8403000302C

DWG NO.

DATE

2019.06.13

Antenna OTA 3D Antenna Pattern

Infomation	
Date	45709
Start Time	45709.46944
Finish Time	45709.47292
Lab Name	Max860
Operator	ATEN
Project	Nur BX-29
Manufactur	PASSIVE V1.1
Model	Nar F1919 P7P -2
Hardware \	1
Software	V 3.6.1 Beta
Test Condi	Free Space
Tempuratu	N/A
Humidity	N/A
Note	N/A

Test List
800MHz
804MHz
808MHz
812MHz
816MHz
820MHz
824MHz
828MHz
832MHz
836MHz
840MHz
844MHz
848MHz
852MHz
856MHz
860MHz
864MHz
868MHz
872MHz
876MHz
880MHz
884MHz
888MHz
892MHz

896MHz
900MHz
904MHz
908MHz
912MHz
916MHz
920MHz
924MHz
928MHz
932MHz
936MHz
940MHz
944MHz
948MHz
952MHz
956MHz
960MHz
964MHz
968MHz
972MHz
976MHz
980MHz
984MHz
988MHz
992MHz
996MHz
1GHz

Frequency	800MHz	804MHz	808MHz	812MHz	816MHz	820MHz	824MHz	828MHz	832MHz	836MHz	840MHz	844MHz	848MHz	852MHz	856MHz	860MHz	864MHz	868MHz	872MHz	876MHz	880MHz
Ant. Port Inp. Pow. (dBi)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rad. Pow. (dBi)	-4.62	-4.79	-4.66	-4.61	-4.62	-4.15	-4.15	-4.36	-4.27	-4.55	-4.51	-4.06	-3.92	-4.01	-4.01	-4.04	-3.92	-3.38	-3.28	-3.6	-3.44
Rad. Pow. 0-90 (dBi)	-9.75	-9.88	-9.69	-9.61	-9.56	-9.03	-8.97	-9.11	-8.95	-9.15	-9.09	-8.72	-8.63	-8.73	-8.75	-8.75	-8.57	-7.95	-7.75	-7.98	-7.73
Rad. Pow. 90-180 (dBi)	-6.21	-6.41	-6.29	-6.26	-6.3	-5.86	-5.88	-6.14	-6.08	-6.41	-6.37	-5.88	-5.72	-5.79	-5.79	-5.83	-5.74	-5.24	-5.19	-5.57	-5.47
Peak EIRP (dBi)	0.72	0.53	0.71	0.82	0.84	1.31	1.36	1.17	1.27	0.92	1	1.53	1.77	1.74	1.75	1.73	1.91	2.44	2.47	2.08	2.11
Directivity (dBi)	5.34	5.32	5.37	5.43	5.46	5.46	5.51	5.53	5.54	5.47	5.51	5.59	5.69	5.75	5.76	5.77	5.83	5.82	5.75	5.68	5.55
Efficiency (dB)	-4.62	-4.79	-4.66	-4.61	-4.62	-4.15	-4.15	-4.36	-4.27	-4.55	-4.51	-4.06	-3.92	-4.01	-4.01	-4.04	-3.92	-3.38	-3.28	-3.6	-3.44
Efficiency (%)	34.51	33.19	34.2	34.59	34.51	38.46	38.46	36.64	37.41	35.08	35.4	39.26	40.55	39.72	39.72	39.45	40.55	45.92	46.99	43.65	45.29
Gain (dBi)	0.72	0.53	0.71	0.82	0.84	1.31	1.36	1.17	1.27	0.92	1	1.53	1.77	1.74	1.75	1.73	1.91	2.44	2.47	2.08	2.11
NHPRP +/-30 (dBi)	-9.39	-9.59	-9.45	-9.39	-9.4	-8.91	-8.89	-9.08	-8.95	-9.19	-9.15	-8.8	-8.75	-8.93	-9.01	-9.08	-8.99	-8.42	-8.25	-8.46	-8.14
NHPRP +/-45 (dBi)	-7.5	-7.71	-7.59	-7.55	-7.57	-7.1	-7.09	-7.28	-7.16	-7.41	-7.37	-7	-6.94	-7.1	-7.18	-7.25	-7.15	-6.58	-6.42	-6.66	-6.38
Maximum H+V Value (dBi)	0.72	0.53	0.71	0.82	0.84	1.31	1.36	1.17	1.27	0.92	1	1.53	1.77	1.74	1.75	1.73	1.91	2.44	2.47	2.08	2.11
Maximum H+V @ Theta (deg.)	150	150	150	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165
Maximum H+V @ Phi (deg.)	315	315	315	315	300	315	300	300	285	285	315	300	315	315	315	315	315	315	315	315	315
Minimum H+V Value (dBi)	-15.08	-14.97	-14.57	-14.12	-13.77	-13.22	-12.86	-12.89	-12.83	-13.26	-13.39	-13.32	-13.29	-13.99	-14.3	-14.45	-14.58	-14.39	-14.74	-15.45	-15.59
Minimum H+V @ Theta (deg.)	30	45	45	45	45	45	45	45	45	45	45	45	45	75	75	45	45	45	45	45	45
Minimum H+V @ Phi (deg.)	270	270	255	270	270	255	255	255	255	240	270	240	270	90	90	270	270	240	240	240	240
Horizontal ()																					
Ant. Port Inp. Pow. (dBi)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H Rad. Pow. (dBi)	-7.91	-8.09	-7.95	-7.93	-7.94	-7.48	-7.51	-7.71	-7.6	-7.93	-7.97	-7.58	-7.57	-7.87	-7.95	-7.98	-7.91	-7.37	-7.27	-7.57	-7.38
H Rad. Pow. 0-90 (dBi)	-12.6	-12.73	-12.56	-12.54	-12.52	-12.04	-12.05	-12.22	-12.1	-12.43	-12.53	-12.27	-12.31	-12.61	-12.7	-12.68	-12.5	-11.82	-11.57	-11.73	-11.43
H Rad. Pow. 90-180 (dBi)	-9.71	-9.91	-9.79	-9.78	-9.8	-9.36	-9.39	-9.61	-9.5	-9.84	-9.84	-9.38	-9.35	-9.64	-9.72	-9.78	-9.76	-9.29	-9.29	-9.67	-9.54
H Peak EIRP (dBi)	-0.44	-0.47	-0.21	-0.12	0	0.49	0.54	0.4	0.52	0.17	0.15	0.64	0.73	0.51	0.42	0.42	0.54	1.09	1.11	0.84	1.02
H Directivity (dBi)	7.47	7.62	7.74	7.81	7.94	7.97	8.05	8.11	8.12	8.1	8.12	8.22	8.3	8.38	8.37	8.4	8.45	8.46	8.38	8.41	8.4
H Efficiency (dB)	-7.91	-8.09	-7.95	-7.93	-7.94	-7.48	-7.51	-7.71	-7.6	-7.93	-7.97	-7.58	-7.57	-7.87	-7.95	-7.98	-7.91	-7.37	-7.27	-7.57	-7.38
H Efficiency (%)	16.18	15.52	16.03	16.11	16.07	17.86	17.74	16.94	17.38	16.11	15.96	17.46	17.5	16.33	16.03	15.92	16.18	18.32	18.75	17.5	18.28
H Gain (dBi)	-0.44	-0.47	-0.21	-0.12	0	0.49	0.54	0.4	0.52	0.17	0.15	0.64	0.73	0.51	0.42	0.42	0.54	1.09	1.11	0.84	1.02
H NHPRP +/-30 (dBi)	-12.33	-12.48	-12.33	-12.29	-12.29	-11.82	-11.84	-12.02	-11.9	-12.2	-12.3	-12.06	-12.17	-12.56	-12.73	-12.83	-12.78	-12.17	-11.95	-12.05	-11.63
H NHPRP +/-45 (dBi)	-10.41	-10.61	-10.49	-10.49	-10.52	-10.07	-10.1	-10.3	-10.18	-10.49	-10.57	-10.29	-10.38	-10.76	-10.93	-11.02	-10.96	-10.36	-10.17	-10.33	-9.96
Maximum H Value (dBi)	-0.44	-0.47	-0.21	-0.12	0	0.49	0.54	0.4	0.52	0.17	0.15	0.64	0.73	0.51	0.42	0.42	0.54	1.09	1.11	0.84	1.02
Maximum H @ Theta (deg.)	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165
Maximum H @ Phi (deg.)	255	255	255	255	255	255	255	255	270	255	270	255	270	270	255	270	255	255	75	75	75
Minimum H Value (dBi)	-32.5	-30.87	-29.65	-29.22	-28.34	-27.14	-26.67	-26.64	-26.09	-25.48	-24.9	-24.61	-24.62	-24.44	-24.54	-24.51	-25.75	-32.24	-32.76	-33.56	-26.6
Minimum H @ Theta (deg.)	30	30	30	30	30	30	30	30	165	30	30	165	165	165	30	165	135	135	150	150	150
Minimum H @ Phi (deg.)	225	225	225	210	210	210	210	210	165	210	210	165	165	165	210	165	15	15	0	0	0
Vertical ()																					
Ant. Port Inp. Pow. (dBi)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
V Rad. Pow. (dBi)	-7.36	-7.54	-7.4	-7.33	-7.34	-6.86	-6.83	-7.06	-6.98	-7.23	-7.11	-6.62	-6.37	-6.3	-6.26	-6.28	-6.13	-5.59	-5.48	-5.83	-5.69
V Rad. Pow. 0-90 (dBi)	-12.92	-13.05	-12.85	-12.7	-12.62	-12.04	-11.91	-12.02	-11.82	-11.91	-11.71	-11.25	-11.06	-11.02	-10.98	-10.99	-10.83	-10.24	-10.08	-10.36	-10.15
V Rad. Pow. 90-180 (dBi)	-8.78	-8.98	-8.86	-8.81	-8.87	-8.42	-8.44	-8.72	-8.71	-9.03	-8.96	-8.45	-8.18	-8.09	-8.05	-8.07	-7.92	-7.41	-7.34	-7.71	-7.62
V Peak EIRP (dBi)	-0.27	-0.45	-0.26	-0.22	-0.21	0.31	0.33	0.08	0.21	-0.15	-0.07	0.43	0.78	0.93	1.06	1.11	1.27	1.87	1.94	1.57	1.61
V Directivity (dBi)	7.09	7.09	7.14	7.11	7.13	7.17	7.16	7.14	7.19	7.08	7.04	7.05	7.15	7.23	7.32	7.39	7.4	7.46	7.42	7.4	7.3
V Efficiency (dB)	-7.36	-7.54	-7.4	-7.33	-7.34	-6.86	-6.83	-7.06	-6.98	-7.23	-7.11	-6.62	-6.37	-6.3	-6.26	-6.28	-6.13	-5.59	-5.48	-5.83	-5.69
V Efficiency (%)	18.37	17.62	18.2	18.49	18.45	20.61	20.75	19.68	20.04	18.92	19.45	21.78	23.07	23.44	23.66	23.55	24.38	27.61	28.31	26.12	26.98
V Gain (dBi)	-0.27	-0.45	-0.26	-0.22	-0.21	0.31	0.33	0.08	0.21	-0.15	-0.07	0.43	0.78	0.93	1.06	1.11	1.27	1.87	1.94	1.57	1.61
V NHPRP +/-30 (dBi)	-12.48	-12.71	-12.59	-12.51	-12.54	-12.03	-11.97	-12.15	-12.02	-12.19	-12.02	-11.57	-11.39	-11.4	-11.41	-11.46	-11.34	-10.8	-10.66	-10.95	-10.71
V NHPRP +/-45 (dBi)	-10.61	-10.83	-10.7	-10.63	-10.65	-10.15	-10.1	-10.29	-10.17	-10.36	-10.2	-9.75	-9.55	-9.55	-9.57	-9.62	-9.48	-8.93	-8.8	-9.09	-8.88
Maximum V Value (dBi)	-0.27	-0.45	-0.26	-0.22	-0.21	0.31	0.33	0.08	0.21	-0.15	-0.07	0.43	0.78	0.93	1.06	1.11	1.27	1.87	1.94	1.57	1.61
Maximum V @ Theta (deg.)	135	150	150	150	150	165	150	150	150	150	150	150	150	150	150	165	165	150	165	165	165
Maximum V @ Phi (deg.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	345	345
Minimum V Value (dBi)	-47.5	-40.95	-33.83	-31.58	-33.34	-33.92	-31.62	-30.88	-38.71	-46.71	-41.39	-37.48	-31.21	-28.91	-27.62	-26.52	-25.89	-26.84	-29.73	-35.88	-35.8
Minimum V @ Theta (deg.)	45	45	45	105	105	105	105	105	105	120	105	105	135	135	105	105	60	75	75	75	75
Minimum V @ Phi (deg.)	285	285	285	225	225	225	225	225	210	210	240	210	210	240	240	105	105	330	240	225	225

884MHz	888MHz	892MHz	896MHz	900MHz	904MHz	908MHz	912MHz	916MHz	920MHz	924MHz	928MHz	932MHz	936MHz	940MHz	944MHz	948MHz	952MHz	956MHz	960MHz	964MHz	968MHz	972MHz	976MHz
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-3.62	-3.47	-3.24	-2.84	-2.73	-2.8	-2.86	-3.28	-3.53	-3.67	-3.99	-4.09	-4.4	-4.96	-5.76	-6.31	-6.86	-7.59	-7.5	-8.01	-8.66	-8.76	-9.19	-9.44
-7.84	-7.64	-7.38	-6.94	-6.8	-6.86	-6.94	-7.4	-7.71	-7.91	-8.26	-8.34	-8.56	-8.96	-9.53	-9.79	-10.01	-10.46	-10.2	-10.69	-11.41	-11.62	-12.15	-12.49
-5.69	-5.56	-5.35	-4.97	-4.88	-4.97	-5.01	-5.4	-5.62	-5.72	-6.02	-6.13	-6.5	-7.16	-8.12	-8.9	-9.74	-10.75	-10.84	-11.38	-11.94	-11.93	-12.25	-12.41
1.77	1.85	2.01	2.3	2.42	2.31	2.34	1.98	1.76	1.83	1.73	1.79	1.53	0.91	-0.09	-1.04	-2.31	-3.27	-3.07	-3.85	-4.94	-5.08	-5.32	-5.5
5.39	5.32	5.25	5.14	5.15	5.11	5.2	5.26	5.29	5.5	5.72	5.88	5.93	5.87	5.67	5.27	4.55	4.32	4.43	4.16	3.72	3.68	3.87	3.94
-3.62	-3.47	-3.24	-2.84	-2.73	-2.8	-2.86	-3.28	-3.53	-3.67	-3.99	-4.09	-4.4	-4.96	-5.76	-6.31	-6.86	-7.59	-7.5	-8.01	-8.66	-8.76	-9.19	-9.44
43.45	44.98	47.42	52	53.33	52.48	51.76	46.99	44.36	42.95	39.9	38.99	36.31	31.92	26.55	23.39	20.61	17.42	17.78	15.81	13.61	13.3	12.05	11.38
1.77	1.85	2.01	2.3	2.42	2.31	2.34	1.98	1.76	1.83	1.73	1.79	1.53	0.91	-0.09	-1.04	-2.31	-3.27	-3.07	-3.85	-4.94	-5.08	-5.32	-5.5
-8.17	-7.89	-7.55	-7.06	-6.87	-6.89	-6.94	-7.38	-7.68	-7.9	-8.31	-8.44	-8.72	-9.18	-9.8	-10.09	-10.31	-10.73	-10.42	-10.82	-11.49	-11.63	-12.12	-12.43
-6.45	-6.21	-5.91	-5.45	-5.3	-5.35	-5.42	-5.87	-6.18	-6.39	-6.78	-6.9	-7.18	-7.64	-8.27	-8.6	-8.86	-9.32	-9.04	-9.47	-10.14	-10.27	-10.75	-11.03
1.77	1.85	2.01	2.3	2.42	2.31	2.34	1.98	1.76	1.83	1.73	1.79	1.53	0.91	-0.09	-1.04	-2.31	-3.27	-3.07	-3.85	-4.94	-5.08	-5.32	-5.5
165	165	165	165	150	150	150	150	165	165	165	165	165	165	165	165	165	60	60	60	60	165	165	165
315	315	315	315	330	330	330	330	105	105	105	105	105	105	105	105	105	105	90	90	90	255	255	255
-16.26	-16.81	-17.44	-17.85	-18.32	-18.6	-18.58	-18.56	-18.62	-19.22	-20.32	-21.2	-21.7	-21.14	-22.2	-20.31	-18.08	-19.77	-19.15	-21.63	-24.09	-25.19	-25.72	-25.77
45	45	45	45	45	45	45	45	45	45	45	45	45	45	105	105	120	120	45	135	135	135	135	135
225	225	225	225	225	225	225	225	210	210	210	210	210	210	75	75	75	75	195	90	90	90	90	90
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-7.46	-7.34	-7.03	-6.62	-6.49	-6.58	-6.67	-7.12	-7.42	-7.57	-7.86	-7.9	-8.11	-8.51	-9.05	-9.33	-9.49	-9.86	-9.51	-9.91	-10.55	-10.66	-11.18	-11.46
-11.45	-11.32	-11.02	-10.63	-10.52	-10.65	-10.8	-11.29	-11.62	-11.76	-12	-11.91	-11.91	-12.06	-12.3	-12.24	-12.1	-12.27	-11.81	-12.22	-12.94	-13.16	-13.78	-14.17
-9.66	-9.56	-9.24	-8.82	-8.68	-8.74	-8.79	-9.21	-9.5	-9.65	-9.97	-10.1	-10.45	-11.05	-11.84	-12.45	-12.94	-13.58	-13.37	-13.75	-14.28	-14.24	-14.65	-14.8
0.89	0.87	1.13	1.48	1.58	1.57	1.6	1.29	1.32	1.44	1.33	1.32	1.02	0.45	-0.47	-1.52	-2.72	-3.57	-3.32	-4.09	-5.2	-5.18	-5.42	-5.6
8.35	8.21	8.16	8.1	8.07	8.15	8.27	8.41	8.74	9.01	9.19	9.22	9.13	8.96	8.58	7.81	6.77	6.29	6.19	5.82	5.35	5.48	5.76	5.86
-7.46	-7.34	-7.03	-6.62	-6.49	-6.58	-6.67	-7.12	-7.42	-7.57	-7.86	-7.9	-8.11	-8.51	-9.05	-9.33	-9.49	-9.86	-9.51	-9.91	-10.55	-10.66	-11.18	-11.46
17.95	18.45	19.82	21.78	22.44	21.98	21.53	19.41	18.11	17.5	16.37	16.22	15.45	14.09	12.45	11.67	11.25	10.33	11.19	10.21	8.81	8.59	7.62	7.14
0.89	0.87	1.13	1.48	1.58	1.57	1.6	1.29	1.32	1.44	1.33	1.32	1.02	0.45	-0.47	-1.52	-2.72	-3.57	-3.32	-4.09	-5.2	-5.18	-5.42	-5.6
-11.52	-11.28	-10.88	-10.44	-10.3	-10.41	-10.57	-11.08	-11.48	-11.72	-12.08	-12.12	-12.23	-12.46	-12.75	-12.71	-12.54	-12.63	-12.09	-12.37	-13.01	-13.14	-13.71	-14.03
-9.9	-9.68	-9.29	-8.85	-8.71	-8.83	-8.98	-9.5	-9.91	-10.17	-10.54	-10.58	-10.69	-10.93	-11.24	-11.23	-11.09	-11.22	-10.7	-11.02	-11.66	-11.78	-12.32	-12.62
0.89	0.87	1.13	1.48	1.58	1.57	1.6	1.29	1.32	1.44	1.33	1.32	1.02	0.45	-0.47	-1.52	-2.72	-3.57	-3.32	-4.09	-5.2	-5.18	-5.42	-5.6
165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	60	60	60	60	165	165	165
75	75	75	75	75	75	75	255	255	255	255	255	75	75	75	75	90	90	90	90	255	255	255	255
-29.18	-31.22	-29.82	-28.28	-32.56	-39.38	-33.61	-40.7	-28.43	-24.88	-28.8	-31.22	-35.41	-35.33	-35.02	-29.12	-35.67	-28.26	-25.92	-27.32	-33.44	-35.02	-31.31	-34.86
150	150	150	150	30	30	45	45	45	45	90	90	120	90	105	135	120	135	135	0	0	0	0	0
150	150	150	150	300	300	210	180	180	210	120	135	150	75	75	45	60	45	45	300	300	300	285	285
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-5.94	-5.76	-5.59	-5.19	-5.09	-5.16	-5.19	-5.59	-5.81	-5.94	-6.28	-6.42	-6.8	-7.48	-8.5	-9.31	-10.29	-11.49	-11.81	-12.51	-13.19	-13.27	-13.53	-13.73
-10.32	-10.06	-9.83	-9.37	-9.2	-9.2	-9.24	-9.68	-9.97	-10.21	-10.65	-10.87	-11.25	-11.89	-12.8	-13.45	-14.19	-15.15	-15.3	-15.96	-16.7	-16.86	-17.19	-17.43
-7.91	-7.77	-7.63	-7.28	-7.23	-7.33	-7.36	-7.74	-7.91	-7.98	-8.25	-8.36	-8.74	-9.44	-10.51	-11.42	-12.56	-13.95	-14.4	-15.13	-15.74	-15.77	-15.98	-16.14
1.31	1.48	1.6	2	2.01	1.9	1.9	1.45	1.3	1.26	1.03	0.93	0.63	-0.09	-1.2	-2.18	-3.39	-4.99	-5.7	-6.57	-7.01	-7.02	-7.09	-7.16
7.25	7.24	7.19	7.19	7.1	7.06	7.09	7.04	7.11	7.2	7.31	7.35	7.43	7.39	7.3	7.13	6.9	6.5	6.11	5.94	6.18	6.25	6.44	6.57
-5.94	-5.76	-5.59	-5.19	-5.09	-5.16	-5.19	-5.59	-5.81	-5.94	-6.28	-6.42	-6.8	-7.48	-8.5	-9.31	-10.29	-11.49	-11.81	-12.51	-13.19	-13.27	-13.53	-13.73
25.47	26.55	27.61	30.27	30.97	30.48	30.27	27.61	26.24	25.47	23.55	22.8	20.89	17.86	14.13	11.72	9.35	7.1	6.59	5.61	4.8	4.71	4.44	4.24
1.31	1.48	1.6	2	2.01	1.9	1.9	1.45	1.3	1.26	1.03	0.93	0.63	-0.09	-1.2	-2.18	-3.39	-4.99	-5.7	-6.57	-7.01	-7.02	-7.09	-7.16
-10.85	-10.55	-10.26	-9.73	-9.5	-9.45	-9.42	-9.79	-10.02	-10.23	-10.66	-10.87	-11.28	-11.94	-12.87	-13.52	-14.27	-15.22	-15.37	-16.04	-16.79	-16.95	-17.28	-17.52
-9.07	-8.81	-8.57	-8.11	-7.94	-7.94	-7.94	-8.34	-8.57	-8.75	-9.16	-9.34	-9.73	-10.39	-11.33	-12.02	-12.82	-13.84	-14.02	-14.7	-15.43	-15.59	-15.92	-16.17
1.31	1.48	1.6	2	2.01	1.9	1.9	1.45	1.3	1.26	1.03	0.93	0.63	-0.09	-1.2	-2.18	-3.39	-4.99	-5.7	-6.57	-7.01	-7.02	-7.09	-7.16
165	150	150	150	150	150	150	150	165	165	165	165	165	165	165	150	135	135	165	165	165	165	165	150
0	0	0	0	0	0	0	0	150	165	165	165	165	165	165	15	15	15	165	165	165	165	165	0
-32.67	-30.24	-28.68	-33.36	-37.35	-40.57	-43.62	-34.67	-38.58	-36.02	-35.57	-30.19	-34	-37.76	-33.71	-32.17	-40.53	-34.42	-30.37	-32.67	-37.14	-40.49	-54.73	-40.65
75	75	75	75	75	150	75	75	75	75	165	30	30	45	75	75	135	15	15	45	120	120	60	0
225	225	255	255	255	240	0	345	270	270	255	225	225	210	345	345	90	225	210	195	75	75	300	210

980MHz	984MHz	988MHz	992MHz	996MHz	1GHz
0	0	0	0	0	0
-9.53	-9.72	-10.55	-11.02	-11.4	-12.03
-12.66	-12.9	-13.77	-14.29	-14.71	-15.38
-12.43	-12.56	-13.35	-13.79	-14.13	-14.73
-5.65	-5.9	-6.78	-7.42	-8.09	-8.79
3.88	3.82	3.77	3.6	3.31	3.24
-9.53	-9.72	-10.55	-11.02	-11.4	-12.03
11.14	10.67	8.81	7.91	7.24	6.27
-5.65	-5.9	-6.78	-7.42	-8.09	-8.79
-12.55	-12.76	-13.6	-14.1	-14.48	-15.12
-11.14	-11.33	-12.15	-12.6	-12.95	-13.55
-5.65	-5.9	-6.78	-7.42	-8.09	-8.79
165	165	165	165	165	105
270	270	255	270	255	15
-25.09	-24.1	-24.24	-26.02	-26.99	-27.31
135	135	60	60	60	60
90	90	180	180	180	180
0	0	0	0	0	0
-11.57	-11.79	-12.58	-13.01	-13.35	-13.91
-14.38	-14.7	-15.58	-16.1	-16.56	-17.23
-14.79	-14.92	-15.59	-15.94	-16.17	-16.63
-5.76	-6.05	-6.86	-7.52	-8.15	-9.17
5.81	5.74	5.72	5.49	5.2	4.74
-11.57	-11.79	-12.58	-13.01	-13.35	-13.91
6.97	6.62	5.52	5	4.62	4.06
-5.76	-6.05	-6.86	-7.52	-8.15	-9.17
-14.18	-14.44	-15.29	-15.78	-16.19	-16.83
-12.73	-12.96	-13.74	-14.18	-14.51	-15.08
-5.76	-6.05	-6.86	-7.52	-8.15	-9.17
165	165	165	165	165	165
255	255	255	255	255	255
-33.21	-30.49	-31.93	-36.32	-42.44	-46.57
0	0	0	0	0	60
285	285	90	90	90	195
0	0	0	0	0	0
-13.8	-13.92	-14.83	-15.38	-15.82	-16.58
-17.51	-17.61	-18.45	-18.97	-19.31	-19.96
-16.2	-16.34	-17.3	-17.88	-18.39	-19.25
-7.16	-7.15	-8.04	-8.56	-9.07	-10.03
6.64	6.77	6.79	6.82	6.75	6.55
-13.8	-13.92	-14.83	-15.38	-15.82	-16.58
4.17	4.06	3.29	2.9	2.62	2.2
-7.16	-7.15	-8.04	-8.56	-9.07	-10.03
-17.6	-17.68	-18.53	-19.02	-19.36	-19.99
-16.27	-16.38	-17.26	-17.77	-18.14	-18.8
-7.16	-7.15	-8.04	-8.56	-9.07	-10.03
150	150	150	150	150	150
0	0	0	0	0	0
-39.74	-39.65	-38.81	-39.69	-36.48	-38.38
90	90	90	135	135	45
90	90	90	195	195	180