1. Test Information

Applicant: SAGEMCOM BROADBAND SAS

Address: 250 Route de l'Empereur - 92848 RUEIL MALMAISON CEDEX- FRANCE

Equipment: 5GNR CPE Router

Model No.: BGW530-900

Brand Name: SAGEMCOM

Test Date: 2023-09-17 ~ 2023-10-17

Test by: MVG Industries

2. Test Location

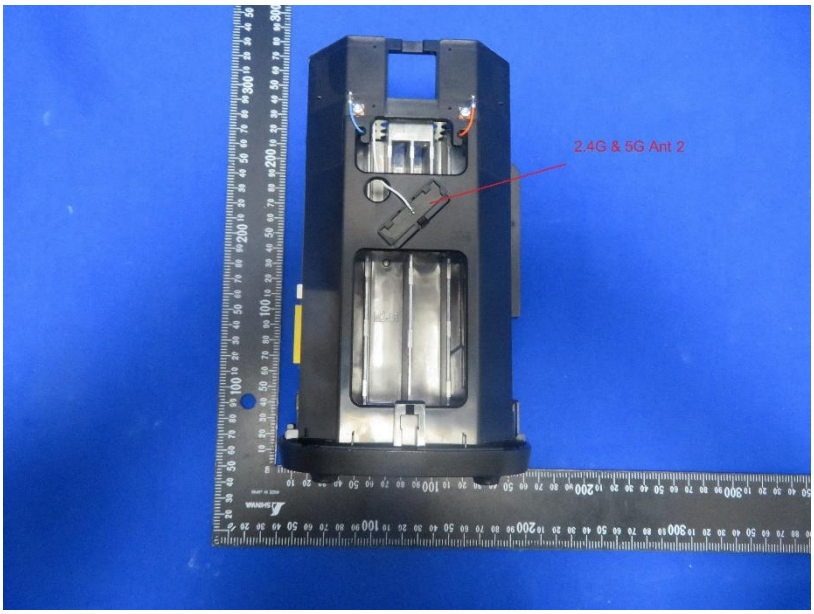
Test Lab: MVG Industries

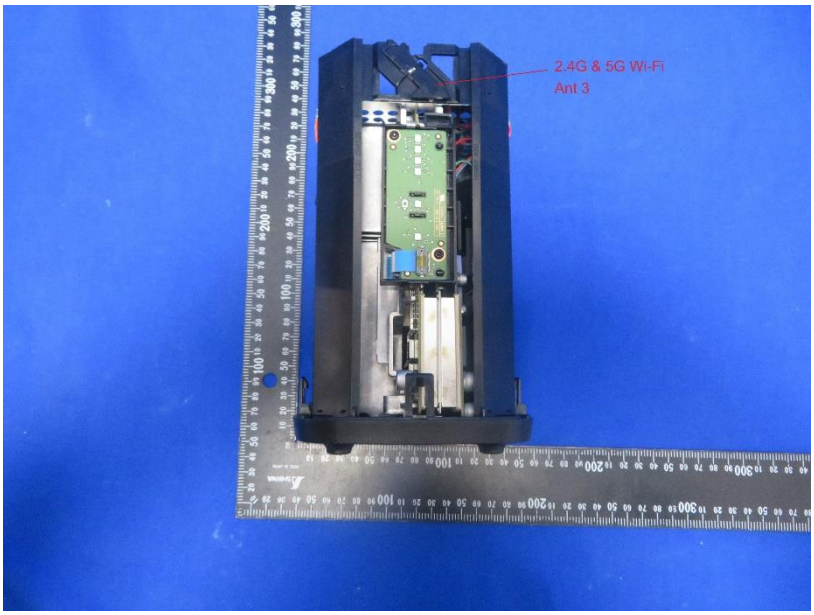
Address: 13 rue du Zephyr 91140 Villejust, FRANCE

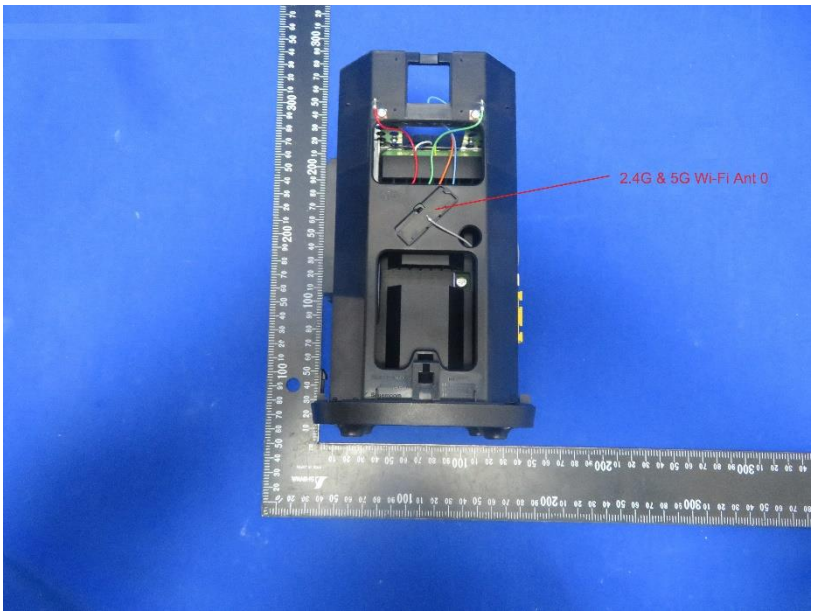
3. Test Frequency

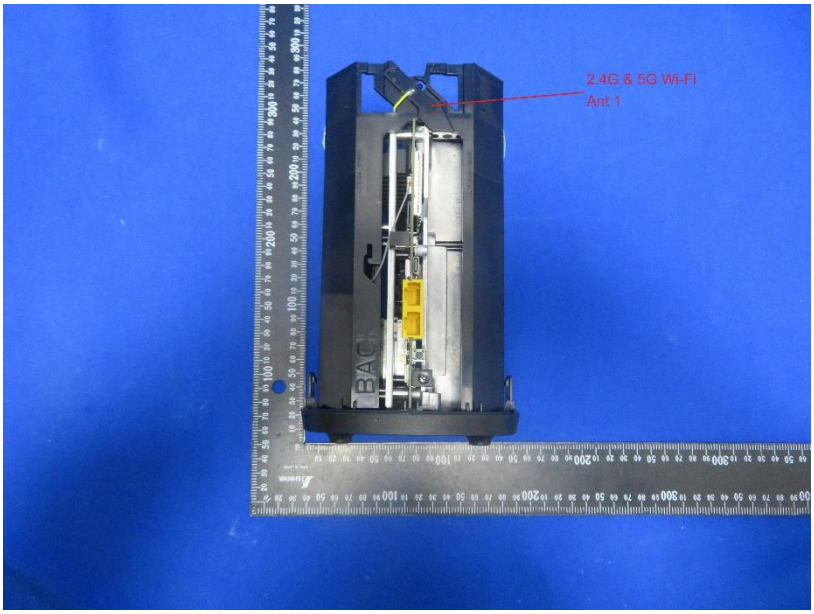
Band (MHz)	Test Frequency (MHz)
2412 ~ 2462	2412, 2437, 2462
5150 ~ 5250	5180, 5240
5250 ~ 5350	5320
5470 ~ 5725	5500, 5600, 5700
5725 ~ 5850	5825

4. Antenna System



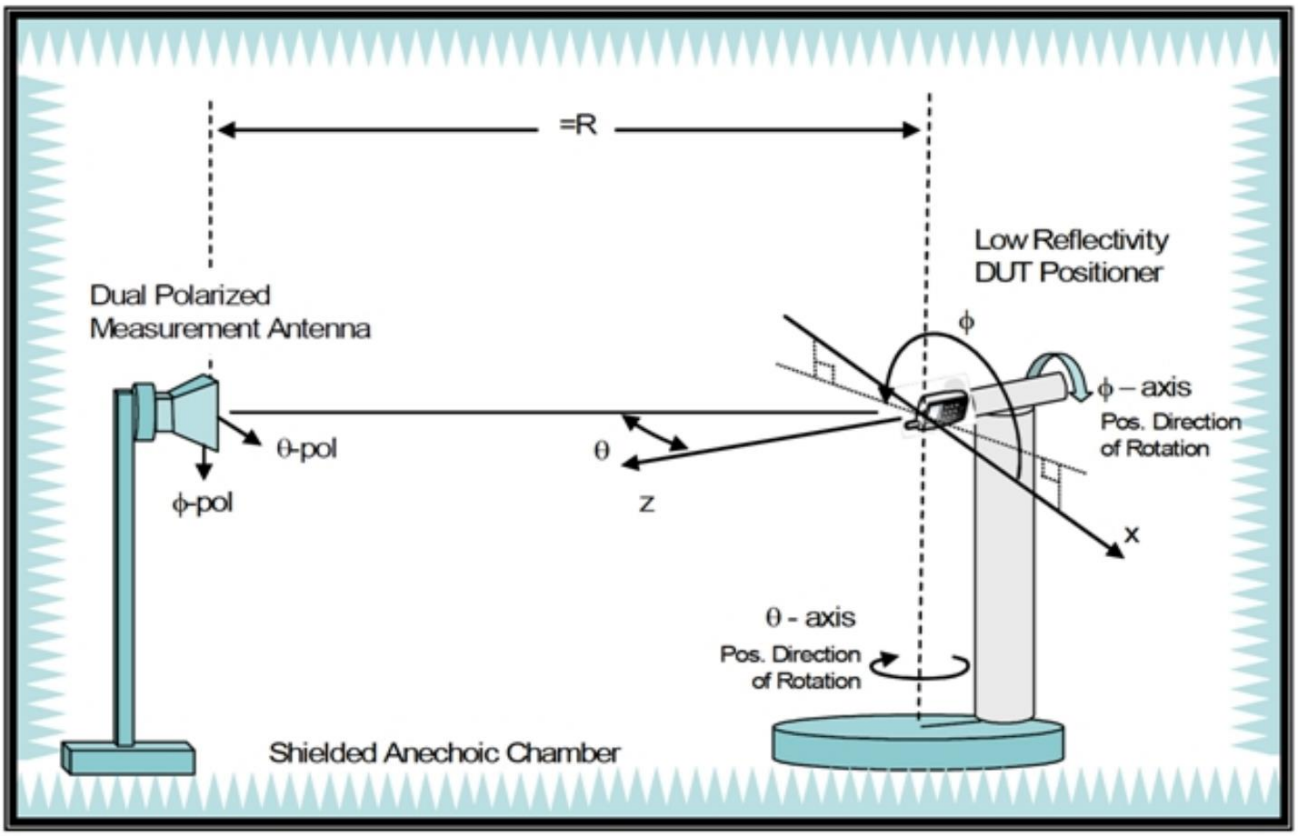

2.4G & 5G Wi-Fi
Ant 3


2.4G & 5G Wi-Fi Ant 0

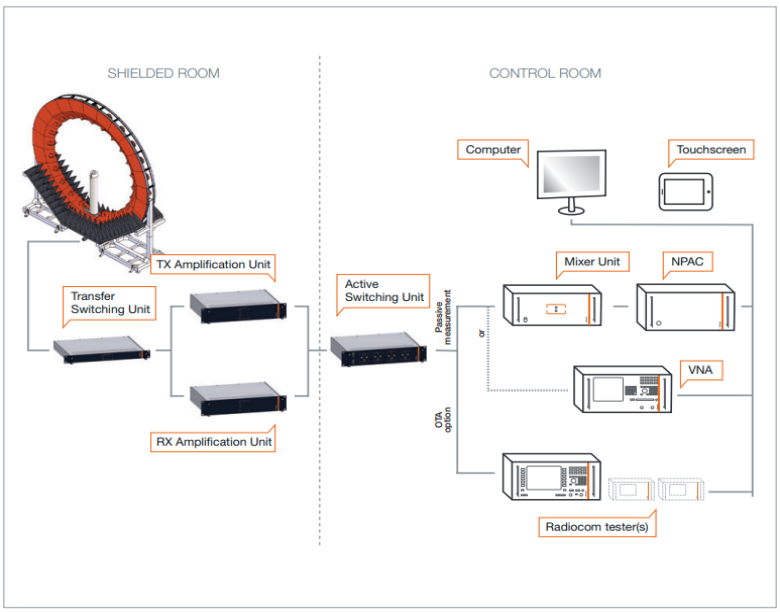

2.4G & 5G Wi-Fi
Ant 1

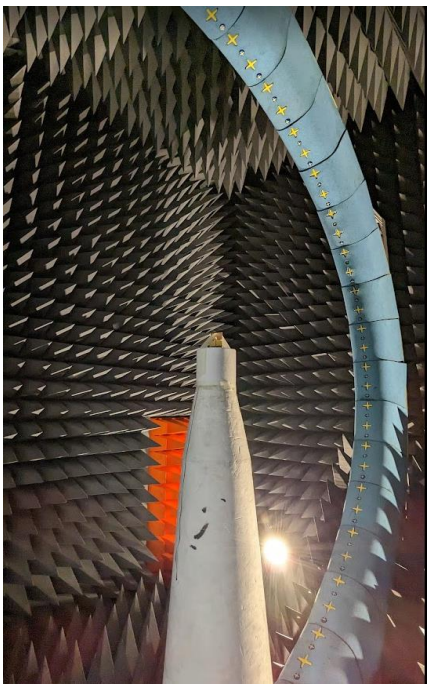
5. Test Configuration

Reference to CTIA "ctia-test-plan-for-wireless-device-over-the-air-performance-ver-3-7-1



6. Test Setup





7. Test Method

The EUT set on multi-axis positioner. Measurement antenna set at phi polarization and 1.5 meter height. Port 1 of Network analyzer connect to antenna of EUT. Record S21 value every 5 degree 0 to 355 degree on Phi

Spatial Multiplexing DG calculations
If antenna gains are not equal & each transmit antenna is driven by only one spatial strean

$$DG = 10 \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

angle and 0 to 180 on theta angle of multi-axis positioner. Then set measurement antenna to theta polarization and repeat process. Repeat process to each antenna of EUT

8. Summary of Test Result

Calculate directional gain of 4TX antennas by same angle according to FCC KDB662911 D01 Multiple Transmitter Output v02r01 The maximum DG gain was selected and recorded in following table

Antenna Type	Frequency Band (GHz)	Antenna Gain (dBi)				Directional Gain (dBi)
		Ant 0	Ant 1	Ant 2	Ant 3	
Wi-Fi Internal Antenna (2.4GHz 3*3 MIMO, 5GHz 4*4 MIMO)						
PCB Antenna	2400 ~ 2483.5	3.26	4.83	6.72	3.7	7.15
	5150 ~ 5250	3.9	3.1	3.57	5.41	5.94
	5250 ~ 5350	3.77	3.58	4.43	5.53	5.67
	5470 ~ 5725	4.2	4.62	3.84	3.86	6.09
	5725 ~ 5850	3.34	5.33	3.67	4.75	5.88
Note 1: The EUT supports Cyclic Delay Diversity (CDD) mode for 802.11a/b/g/n/ac/ax and SISO Mode (Ant 0) for 802.11a/b. Note 2: If transmit signals are correlated, then Directional gain = 10 log[$(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2 / N_{ANT}$] dBi [Note the "20"s in the denominator of each exponent and the square of the sum of terms; the object is to combine the signal levels coherently.]						

9. RAW DATA and Calculation DATA

EH - 2412 MHz

Azimuth (Phi°)

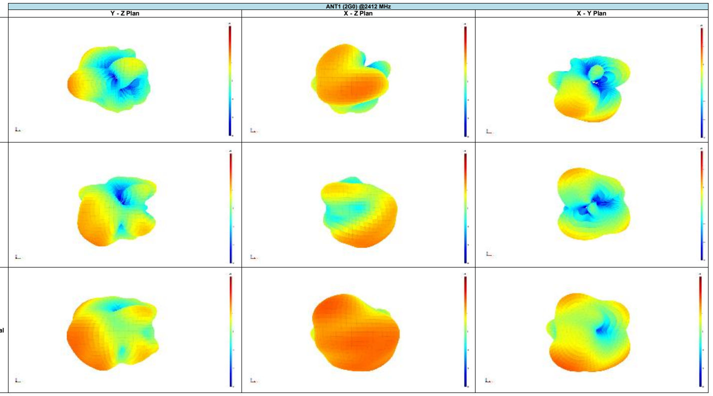
Elevation (Theta°)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
-180	-3.61	-3.72	-3.9	-4.16	-4.48	-4.89	-5.39	-6	-6.71	-7.57	-8.59	-9.83	-11.3	-13.3	-15.8	-19.57	-26.38	-37.48	-23.24	-18	-14.79	-12.51	-10.75	-9.35	-8.2	-7.24	-6.44	-5.76	-5.2	-4.73	-4.35	-4.05	-3.83	-3.67	-3.59	-3.56
-175	-4.02	-4	-4.04	-4.13	-4.28	-4.5	-4.78	-5.15	-5.61	-6.18	-6.87	-7.72	-8.77	-10.1	-11.7	-13.79	-16.64	-20.69	-24.89	-21.99	-17.46	-14.22	-11.83	-10	-8.54	-7.35	-6.38	-5.58	-4.93	-4.4	-3.98	-3.65	-3.42	-3.28	-3.21	-3.21
-170	-4.26	-4.03	-3.85	-3.72	-3.66	-3.67	-3.75	-3.91	-4.16	-4.51	-4.97	-5.56	-6.29	-7.2	-8.33	-9.74	-11.53	-13.82	-16.71	-19.48	-19.1	-16.06	-13.15	-10.84	-9.03	-7.59	-6.44	-5.52	-4.79	-4.21	-3.78	-3.47	-3.26	-3.15	-3.12	-3.16
-165	-4.24	-3.78	-3.4	-3.1	-2.89	-2.76	-2.73	-2.78	-2.93	-3.17	-3.5	-3.95	-4.51	-5.21	-6.07	-7.14	-8.46	-10.1	-12.14	-14.59	-16.76	-16.71	-14.41	-11.85	-9.7	-7.98	-6.62	-5.56	-4.74	-4.13	-3.7	-3.43	-3.29	-3.26	-3.32	-3.45
-160	-4.17	-3.52	-2.99	-2.59	-2.31	-2.13	-2.05	-2.06	-2.16	-2.34	-2.61	-2.97	-3.42	-3.97	-4.65	-5.48	-6.49	-7.74	-9.27	-11.14	-13.24	-14.9	-14.71	-12.77	-10.51	-8.55	-6.98	-5.75	-4.82	-4.15	-3.72	-3.49	-3.45	-3.56	-3.77	-4.05
-155	-4.32	-3.51	-2.9	-2.44	-2.13	-1.93	-1.84	-1.84	-1.91	-2.06	-2.28	-2.57	-2.93	-3.37	-3.89	-4.53	-5.3	-6.24	-7.39	-8.78	-10.44	-12.17	-13.33	-12.95	-11.26	-9.29	-7.54	-6.14	-5.07	-4.32	-3.85	-3.66	-3.71	-3.97	-4.4	-4.91
-150	-4.83	-3.89	-3.2	-2.71	-2.38	-2.17	-2.08	-2.07	-2.13	-2.26	-2.43	-2.66	-2.93	-3.26	-3.65	-4.12	-4.68	-5.36	-6.19	-7.21	-8.42	-9.81	-11.13	-11.84	-11.35	-9.92	-8.24	-6.74	-5.54	-4.68	-4.15	-3.94	-4.05	-4.46	-5.13	-5.95
-145	-5.68	-4.6	-3.83	-3.3	-2.95	-2.74	-2.64	-2.62	-2.65	-2.74	-2.86	-3.02	-3.2	-3.43	-3.69	-4.01	-4.4	-4.87	-5.45	-6.16	-7.01	-8	-9.07	-10	-10.38	-9.92	-8.77	-7.42	-6.2	-5.25	-4.63	-4.37	-4.49	-4.99	-5.87	-7.08
-140	-6.64	-5.43	-4.59	-4.03	-3.65	-3.41	-3.26	-3.18	-3.14	-3.14	-3.17	-3.23	-3.32	-3.45	-3.62	-3.83	-4.1	-4.44	-4.85	-5.35	-5.94	-6.62	-7.37	-8.13	-8.75	-8.98	-8.66	-7.85	-6.86	-5.96	-5.3	-4.98	-5.05	-5.57	-6.58	-8.13
-135	-7.32	-6.04	-5.18	-4.59	-4.16	-3.83	-3.56	-3.33	-3.14	-2.99	-2.88	-2.83	-2.83	-2.89	-2.99	-3.15	-3.37	-3.65	-4	-4.41	-4.88	-5.39	-5.93	-6.49	-7.04	-7.5	-7.73	-7.63	-7.21	-6.63	-6.08	-5.76	-5.78	-6.23	-7.24	-8.93
-130	-7.31	-6.13	-5.34	-4.76	-4.27	-3.8	-3.33	-2.89	-2.5	-2.18	-1.95	-1.8	-1.74	-1.73	-1.79	-1.92	-2.11	-2.37	-2.7	-3.11	-3.57	-4.06	-4.55	-5.02	-5.48	-5.94	-6.37	-6.73	-6.94	-6.96	-6.82	-6.68	-6.71	-7.06	-7.9	-9.4
-125	-6.5	-5.61	-5.04	-4.57	-4.07	-3.46	-2.8	-2.15	-1.59	-1.14	-0.82	-0.61	-0.49	-0.44	-0.45	-0.51	-0.64	-0.85	-1.15	-1.54	-2.02	-2.56	-3.11	-3.62	-4.08	-4.52	-4.97	-5.49	-6.08	-6.68	-7.18	-7.54	-7.81	-8.12	-8.69	-9.7
-120	-5.16	-4.65	-4.42	-4.22	-3.82	-3.15	-2.33	-1.52	-0.82	-0.28	0.11	0.36	0.52	0.62	0.67	0.68	0.65	0.54	0.33	0	-0.46	-1.03	-1.65	-2.26	-2.81	-3.28	-3.73	-4.27	-4.97	-5.86	-6.92	-7.98	-8.85	-9.4	-9.73	-10.09
-115	-3.71	-3.56	-3.73	-3.9	-3.74	-3.1	-2.17	-1.22	-0.4	0.22	0.66	0.95	1.15	1.29	1.4	1.5	1.57	1.58	1.48	1.26	0.88	0.34	-0.3	-1	-1.65	-2.21	-2.7	-3.22	-3.91	-4.86	-6.15	-7.75	-9.43	-10.68	-11.04	-10.76
-110	-2.48	-2.63	-3.17	-3.77	-3.94	-3.39	-2.36	-1.26	-0.32	0.37	0.85	1.17	1.38	1.56	1.72	1.9	2.07	2.2	2.23	2.13	1.86	1.41	0.79	0.07	-0.67	-1.34	-1.91	-2.44	-3.09	-4.01	-5.32	-7.12	-9.4	-11.67	-12.59	-11.75
-105	-1.68	-2.07	-2.92	-3.94	-4.49	-4.02	-2.83	-1.54	-0.49	0.27	0.78	1.1	1.31	1.48	1.67	1.9	2.16	2.39	2.55	2.58	2.43	2.09	1.54	0.85	0.07	-0.69	-1.36	-1.96	-2.62	-3.5	-4.77	-6.6	-9.16	-12.34	-14.39	-13.04
-100	-1.39	-2	-3.16	-4.59	-5.47	-4.93	-3.44	-1.92	-0.75	0.06	0.57	0.86	1.04	1.18	1.35	1.58	1.88	2.18	2.45	2.59	2.57	2.35	1.91	1.28	0.52	-0.3	-1.07	-1.79	-2.52	-3.43	-4.69	-6.53	-9.25	-13.16	-16.69	-14.48
-95	-1.66	-2.5	-4	-5.87	-6.91	-5.92	-3.96	-2.21	-0.94	-0.12	0.37	0.61	0.72	0.78	0.88	1.05	1.32	1.64	1.96	2.19	2.28	2.18	1.85	1.32	0.61	-0.22	-1.08	-1.94	-2.81	-3.82	-5.16	-7.1	-10.04	-14.77	-19.97	-15.33
-90	-2.49	-3.63	-5.56	-7.88	-8.6	-6.59	-4.12	-2.24	-0.97	-0.17	0.26	0.45	0.48	0.44	0.41	0.45	0.61	0.86	1.15	1.42	1.58	1.57	1.37	0.94	0.31	-0.49	-1.41	-2.41	-3.47	-4.69	-6.24	-8.43	-11.85	-18.03	-22.5	-14.46
-85	-3.82	-5.34	-7.81	-10.37	-9.59	-6.47	-3.84	-2.01	-0.81	-0.08	0.3	0.43	0.38	0.25	0.08	-0.05	-0.1	-0.03	0.13	0.34	0.5	0.56	0.44	0.13	-0.4	-1.14	-2.08	-3.18	-4.46	-5.97	-7.89	-10.61	-15.07	-23.67	-18.64	-12.26
-80	-5.51	-7.47	-10.38	-11.86	-9.02	-5.7	-3.29	-1.64	-0.56	0.1	0.44	0.53	0.45	0.24	-0.04	-0.35	-0.63	-0.84	-0.93	-0.93	-0.87	-0.85	-0.92	-1.15	-1.58	-2.22	-3.11	-4.25	-5.68	-7.49	-9.88	-13.33	-18.69	-20.08	-14	-9.9
-75	-7.26	-9.46	-11.8	-10.97	-7.69	-4.83	-2.76	-1.31	-0.33	0.28	0.61	0.71	0.63	0.4	0.04	-0.4	-0.9	-1.4	-1.85	-2.19	-2.41	-2.56	-2.69	-2.89	-3.23	-3.76	-4.54	-5.61	-7.03	-8.91	-11.37	-14.43	-16.34	-14.09	-10.65	-7.9
-70	-8.48	-10.18	-10.89	-9.14	-6.48	-4.18	-2.42	-1.13	-0.22	0.39	0.75	0.9	0.87	0.66	0.28	-0.24	-0.89	-1.64	-2.44	-3.2	-3.86	-4.38	-4.76	-5.06	-5.37	-5.79	-6.4	-7.27	-8.44	-9.93	-11.6	-12.82	-12.47	-10.62	-8.39	-6.42
-65	-8.64	-9.35	-9.05	-7.52	-5.56	-3.76	-2.27	-1.11	-0.24	0.4	0.82	1.05	1.08	0.93	0.59	0.05	-0.67	-1.57	-2.61	-3.74	-4.88	-5.93	-6.81	-7.47	-7.95	-8.34	-8.76	-9.3	-9.98	-10.73	-11.27	-11.19	-10.26	-8.75	-7.1	-5.57
-60	-7.95	-7.96	-7.38	-6.24	-4.85	-3.48	-2.26	-1.22	-0.37	0.29	0.78	1.09	1.22	1.14	0.87	0.37	-0.34	-1.27	-2.41	-3.73	-5.18	-6.7	-8.19	-9.52	-10.57	-11.28	-11.7	-11.9	-12	-11.89	-11.5	-10.7	-9.53	-8.14	-6.73	-5.44
-55	-7.01	-6.68	-6.1	-5.27	-4.29	-3.28	-2.3	-1.4	-0.6	0.08	0.62	1.01	1.22	1.23	1.04	0.63	-0.01	-0.89	-1.99	-3.31	-4.83	-6.51	-8.33	-10.22	-12.09	-13.74	-14.9	-15.2	-14.9	-14.01	-12.85	-11.51	-10.09	-8.67	-7.34	-6.15
-50	-6.13	-5.68	-5.15	-4.53	-3.84	-3.11	-2.36	-1.61	-0.89	-0.23	0.33	0.77	1.05	1.15	1.05	0.74	0.21	-0.55	-1.54	-2.74	-4.16	-5.76	-7.53	-9.49	-11.62	-13.95	-16.4	-18.4	-18.9	-17.67	-15.73	-13.76	-11.96	-10.37	-8.98	-7.82
-45	-5.39	-4.92	-4.44	-3.95	-3.46	-2.94	-2.39	-1.81	-1.2	-0.61	-0.07	0.38	0.7	0.87	0.85	0.64	0.23	-0.4	-1.24	-2.29	-3.54	-4.97	-6.56	-8.33	-10.28	-12.46	-15	-17.9	-21	-22.44	-20.54	-17.71	-15.28	-13.32	-11.78	-10.59
-40	-4.79	-4.32	-3.89	-3.49	-3.13	-2.76	-2.37	-1.95	-1.49	-1.01	-0.54	-0.13	0.19	0.38	0.42	0.29	-0.03	-0.54	-1.25	-2.15	-3.24	-4.5	-5.92	-7.49	-9.21	-11.11	-13.3	-15.7	-18.8	-22.38	-25.04	-23.24	-20.03	-17.49	-15.67	-14.42
-35	-4.32	-3.86	-3.46	-3.12	-2.83	-2.56	-2.29	-2.01	-1.7	-1.36	-1.01	-0.7	-0.44	-0.27	-0.23	-0.34	-0.6	-1.04	-1.65	-2.44	-3.41	-4.54	-5.83	-7.26	-8.84	-10.56	-12.5	-14.6	-17.1	-20.16	-23.79	-26.23	-24.5	-21.65	-19.48	-18.04
-30	-4	-3.56	-3.18	-2.87	-2.61	-2.39	-2.2	-2.01	-1.83	-1.63	-1.43	-1.25	-1.11	-1.04	-1.06	-1.19	-1.46	-1.88	-2.45	-3.19	-4.08	-5.14	-6.36	-7.72	-9.23	-10.89	-12.7	-14.8	-17.2	-20.08	-23.66	-27.22	-26.91	-23.81	-21.11	-19.09
-25	-3.87	-3.43	-3.07	-2.77	-2.52	-2.33	-2.17	-2.05	-1.95	-1.87	-1.8	-1.77	-1.77	-1.83	-1.97	-2.19	-2.53	-2.99	-3.58	-4.32	-5.21	-6.25	-7.45	-8.81	-10.33	-12.04	-14	-16.2	-18.8	-22.17	-27.1	-35.41	-31.71	-25.43	-21.69	-19.01
-20	-3.95	-3.53	-3.17	-2.87	-2.64	-2.45	-2.32	-2.23	-2.18	-2.17	-2.21	-2.29	-2.42	-2.61	-2.87	-3.21	-3.65	-4.19	-4.85	-5.63	-6.56	-7.63	-8.85	-10.25	-11.82	-13.6	-15.6	-17.9	-20.6	-23.8	-27.3	-28.94	-26.68	-23.52	-20.76	-18.4
-15	-4.28	-3.87	-3.52	-3.24	-3	-2.83	-2.71	-2.64	-2.62	-2.66	-2.76	-2.91	-3.12	-3.4	-3.75	-4.19	-4.7	-5.32	-6.03	-6.86	-7.82	-8.9	-10.12	-11.48	-12.98	-14.6	-16.3	-17.9	-19.2	-20.04	-20.22	-19.85	-19.13	-18.19	-17.1	-15.91
-10	-4.91	-4.51	-4.18	-3.9	-3.67	-3.51	-3.4	-3.35	-3.36	-3.42	-3.55	-3.73	-3.98	-4.3	-4.69	-5.15	-5.7	-6.32	-7.04	-7.85	-8.75	-9.75	-10.83	-11.98	-13.15	-14.26	-15.2	-15.9	-16.2	-16.07	-15.73	-15.22	-14.63	-13.99	-13.33	-12.64
-5	-5.91	-5.51	-5.18	-4.9	-4.68	-4.52	-4.42	-4.37	-4.39	-4.46	-4.58	-4.77	-5.01	-5.32	-5.69	-6.13	-6.63	-7.2	-7.84	-8.54	-9.31	-10.12	-10.97	-11.81	-12.59	-13.23	-13.7	-13.8	-13.7	-13.35	-12.85	-12.27	-11.65	-11.04	-10.45	-9.89
0	-7.36	-6.95	-6.59	-6.29	-6.04	-5.85	-5.71	-5.63	-5.6	-5.62	-5.69	-5.82	-6	-6.23	-6.53	-6.87	-7.28	-7.74	-8.26	-8.84	-9.46	-10.11	-10.77	-11.39	-11.92	-12.29	-12.4	-12.3	-12	-11.5	-10.89	-10.24	-9.58	-8.95	-8.37	-7.84
5	-9.37	-8.88	-8.43	-8.02	-7.65	-7.32	-7.03	-6.8	-6.61	-6.48	-6.41	-6.39	-6.44	-6.55	-6.73	-6.98	-7.3	-7.7	-8.17	-8.7	-9.28	-9.9	-10.52	-11.08	-11.51	-11.73	-11.7	-11.4	-10.9	-10.23	-9.53	-8.81	-8.13	-7.48	-6.9	-6.37
10	-11.94	-11.22	-10.49	-9.78	-9.09	-8.45	-7.86	-7.34	-6.9	-6.55	-6.28	-6.11	-6.04	-6.07	-6.21	-6.44	-6.79	-7.23	-7.78	-8.41	-9.12	-9.86	-10.58	-11.19	-11.58	-11.66	-11.4	-10.9	-10.2	-9.41	-8.62	-7.85	-7.14	-6.49	-5.9	-5.38
15	-14.65	-13.37	-12.1	-10.9	-9.78	-8.76	-7.86	-7.09	-6.46	-5.95	-5.58	-5.35	-5.25	-5.29	-5.47	-5.79	-6.24	-6.84	-7.57	-8.43	-9.38	-10.37	-11.29	-11.98	-12.27	-12.1	-11.5	-10.7	-9.83	-8.93	-8.07	-7.28	-6.54	-5.88	-5.28	-4.75
20	-16.32	-14.45	-12.75	-11.21	-9.83	-8.61	-7.56	-6.66	-5.93	-5.37	-4.97	-4.73	-4.66	-4.76	-5.03	-5.47	-6.09	-6.9	-7.9	-9.07	-10.39	-11.74	-12.91	-13.56	-13.48	-12.78	-11.8	-10.7	-9.66	-8.7	-7.81	-7	-6.26	-5.59	-4.98	-4.43
25	-16.84	-14.96	-13.25	-11.68	-10.23	-8.93	-7.78	-6.79	-5.99	-5.37	-4.93	-4.68	-4.63	-4.78	-5.14	-5.71	-6.52	-7.58	-8.91	-10.52	-12.36	-14.19	-15.39	-15.34	-14.28	-12.91	-11.6	-10.5	-9.45	-8.54	-7.72	-6.95	-6.22	-5.55	-4.93	-4.36
30	-17.49	-16.1	-14.75	-13.37	-11.96	-10.57	-9.26	-8.1	-7.12	-6.35	-5.8	-5.46	-5.37	-5.51	-5.91	-6.58	-7.56	-8.89	-10.64	-12.84	-15.35	-17.31	-17.12	-15.33	-13.46	-11.93	-10.8	-9.82	-9.05	-8.35	-7.68	-7.01	-6.35	-5.7	-5.08	-4.51
35	-17.16	-16.71	-16.51	-16.3	-15.72	-14.6	-13.09	-11.51	-10.07	-8.88	-7.99	-7.39	-7.1	-7.11	-7.45	-8.14	-9.25	-10.85	-13.06	-15.97	-18.81	-18.64	-15.99	-13.55	-11.76	-10.52	-9.65	-9.03	-8.55	-8.12	-7.66	-7.15	-6.59	-5.99	-5.4	-4.83
40	-13.65	-13.36	-13.53	-14.23	-15.5	-17.35	-19.23	-19.28	-17.08	-14.6	-12.6	-11.2	-10.3	-9.94	-10	-10.56	-11.67	-13.48	-16.21	-19.75	-20.78	-17.42	-14.2	-11.95	-10.42	-9.43	-8.81	-8.44	-8.2	-7.99	-7.73	-7.36	-6.91	-6.38	-5.84	-5.3
45	-9.73	-9.19	-8.98	-9.13	-9.67	-10.68	-12.27	-14.65	-18.21	-23.3	-24.3	-19.8	-16.7	-15	-14.2	-14.28	-15.18	-17.13	-20.56	-24.39	-21.01	-16.35	-13.21	-11.13	-9.77	-8.93	-8.47	-8.28	-8.22	-8.16	-8	-7.7	-7.3	-6.84	-6.35	-5.87
50	-6.89	-6.21	-5.79	-5.64	-5.78	-6.23	-7.03	-8.22	-9.87	-12.1	-15.2	-19.4	-24.5	-24.9	-22	-20.55	-20.74	-22.92	-29.02	-30.24	-20.81	-15.93	-12.89	-10.89	-9.63	-8.91	-8.62	-8.62	-8.73	-8.77	-8.59	-8.22	-7.75	-7.3	-6.89	-6.52
55	-5.15	-4.37	-3.83	-3.54	-3.5	-3.73	-4.23	-5.01	-6.1	-7.52	-9.3	-11.5	-14.2	-17.4	-20.8	-23.41	-25.01	-27.03	-29.26	-24.86	-19.26	-15.3	-12.56	-10.72	-9.58	-9.05	-9.02	-9.34	-9.76	-9.93	-9.61	-8.94	-8.23	-7.68	-7.36	-7.18
60	-4.33	-3.46	-2.83	-2.45	-2.33	-2.46	-2.83	-3.44	-4.28	-5.34	-6.62	-8.15	-9.93	-12	-14.3	-16.64	-18.7	-20.08	-20.36	-19.08	-16.58	-13.93	-11.73	-10.14	-9.2	-8.9	-9.21	-10.1	-11.2	-11.72	-11.13	-9.84	-8.65	-7.89	-7.61	-7.71
65	-4.28	-3.27	-2.56	-2.13	-1.97	-2.07	-2.4	-2.94	-3.65	-4.5	-5.47	-6.58	-7.86	-9.33	-11	-12.89	-14.68	-16.01	-16.48	-15.89	-14.38	-12.46	-10.66	-9.29	-8.48	-8.33	-8.91	-10.3	-12.5	-14.22	-13.23	-10.8	-8.88	-7.79	-7.48	-7.83
70	-4.84	-3.66	-2.85	-2.38	-2.22	-2.34	-2.7	-3.24	-3.89	-4.6	-5.32	-6.09	-6.96	-8.03	-9.34	-10.9	-12.56	-13.97	-14.67	-14.39	-13.25	-11.62	-9.97	-8.64	-7.83	-7.68	-8.31	-9.98	-13.1	-17.37	-16.08	-11.64	-8.81	-7.32	-6.84	-7.25
75	-5.89	-4.47	-3.55	-3.05	-2.92	-3.11	-3.56	-4.17	-4.84	-5.45	-5.94	-6.36	-6.85	-7.56	-8.58	-9.96	-11.6	-13.19	-14.22	-14.23	-13.26	-11.68	-9.99	-8.55	-7.6	-7.31	-7.84	-9.48	-12.9	-20.49	-19.59	-12.04	-8.39	-6.51	-5.79	-6.05
80	-7.27	-5.55	-4.5	-3.98	-3.9	-4.21	-4.83	-5.62	-6.4	-6.94	-7.15	-7.17	-7.25	-7.61	-8.4	-9.67	-11.37	-13.28	-14.8	-15.21	-14.35	-12.7	-10.8	-9.12	-7.93	-7.41	-7.73	-9.18	-12.5	-21.11	-21.47	-11.74	-7.67	-5.53	-4.58	-4.58
85	-8.81	-6.75	-5.57	-5.04	-5.05	-5.53	-6.39	-7.5	-8.52	-9.01	-8.81	-8.28	-7.88	-7.9	-8.47	-9.66	-11.48	-13.79	-16.03	-17.04	-16.32	-14.52	-12.34	-10.31	-8.78	-7.96	-8.01	-9.2	-12.2	-19.17	-19.2	-10.94	-6.85	-4.57	-3.43	-3.2
90	-10.22	-7.87	-6.61	-6.11	-6.25	-6.95	-8.17	-9.75	-11.19	-11.5	-10.6	-9.28	-8.37	-8.07	-8.44	-9.54	-11.42	-14.09	-17.18	-19.19	-18.74	-16.83	-14.39	-11.98	-10.06	-8.89	-8.64	-9.54	-12.1	-17.35	-16.71	-10.13	-6.18	-3.84	-2.56	-2.14
95	-11.08	-8.69	-7.47	-7.09	-7.41	-8.4	-10.08	-12.39	-14.44	-14.1	-11.8	-9.73	-8.41	-7.86	-8.05	-9.02	-10.82	-13.57	-17.29	-20.94	-21.57	-19.63	-16.92	-14.07	-11.7	-10.14	-9.58	-10.2	-12.4	-16.66	-15.67	-9.8	-5.91	-3.5	-2.1	-1.52
100	-11.18	-9.14	-8.13	-7.95	-8.52	-9.85	-12.11	-15.47	-18.3	-15.8	-12.1	-9.6	-8.05	-7.33	-7.35	-8.11	-9.65	-12.1	-15.61	-20.21	-24.35	-23.92	-20.44	-16.68	-13.65	-11.65	-10.8	-11.1	-13.2	-17.41	-16.42	-10.28	-6.23	-3.68	-2.15	-1.42
105	-10.85	-9.37	-8.73	-8.83	-9.68	-11.38	-14.31	-19.32	-22.89	-16.5	-12.1	-9.33	-7.66	-6.78	-6.6	-7.08	-8.24	-10.11	-12.72	-15.95	-19.3	-21.48	-20.82	-17.9	-14.9	-12.76	-11.7	-12	-14	-19.26	-20.05	-11.92	-7.29	-4.47	-2.76	-1.88
110	-10.51	-9.7	-9.52	-9.98	-11.15	-13.21	-16.79	-24.49	-27.59	-17	-12.3	-9.4	-7.56	-6.49	-6.06	-6.23	-6.95	-8.19	-9.84	-11.67	-13.28	-14.31	-14.57	-14.02	-12.89	-11.75	-11.1	-11.5	-13.3	-18.23	-36.95	-15.25	-9.29	-5.97	-3.98	-2.88
115	-10.42	-10.41	-10.85	-11.81	-13.34	-15.62	-19.14	-25.18	-24.77	-17.6	-13.1	-10	-8	-6.67	-5.95	-5.77	-6.06	-6.72	-7.62	-8.55	-9.27	-9.68	-9.78	-9.64	-9.31	-8.98	-8.9	-9.37	-10.8	-13.87	-20.82	-20.45	-12.37	-8.21	-5.78	-4.38
120	-10.72	-11.76	-13.26	-15.11	-16.92	-18.11	-18.65	-19.03	-19	-17.3	-14.4	-11.5	-9.15	-7.51	-6.45	-5.9	-5.76	-5.91	-6.22	-6.52	-6.7	-6.73	-6.65	-6.52	-6.39	-6.35	-6.52	-7.08	-8.25	-10.39	-14.19	-19.7	-16.26	-11.11	-8.02	-6.19
125	-11.36	-13.95	-17.95	-22.51	-20.57	-16.93	-14.93	-14.22	-14.5	-15.3	-15.3	-13.7	-11.3	-9.3	-7.79	-6.79	-6.18	-5.83	-5.6	-5.4	-5.17	-4.91	-4.67	-4.49	-4.41	-4.48	-4.77	-5.39	-6.48	-8.28	-11.15	-15.67	-18.79	-14.2	-10.34	-7.96
130	-11.9	-16.19	-25.6	-23.76	-16.17	-12.81	-11.16	-10.62	-10.97	-12.2	-14	-15.7	-15.1	-12.7	-10.5	-8.72	-7.44	-6.47	-5.68	-5.01	-4.43	-3.94	-3.57	-3.34	-3.27	-3.4	-3.77	-4.46	-5.58	-7.3	-9.9	-13.9	-18.8	-16.41	-11.97	-9.12
135	-11.55	-15.17	-17.28	-14.5	-11.39	-9.36	-8.24	-7.87	-8.19	-9.22	-11.1	-14.1	-18.3	-20	-15.8	-12.17	-9.63	-7.76	-6.33	-5.2	-4.31	-3.64	-3.17	-2.9	-2.85	-3.04	-3.5	-4.29	-5.51	-7.31	-9.97	-13.97	-18.83	-16.61	-12.16	-9.23
140	-10.14	-11.9	-11.89	-10.2	-8.34	-6.97	-6.15	-5.87	-6.12	-6.9	-8.31	-10.5	-14.1	-21.1	-32.1	-17.51	-12.44	-9.41	-7.33	-5.8	-4.68	-3.88	-3.35	-3.08	-3.06	-3.32	-3.88	-4.8	-6.19	-8.19	-11.09	-15.24	-18.23	-14.75	-10.98	-8.4
145	-8.36	-9.13	-8.82	-7.71	-6.46	-5.45	-4.81	-4.56	-4.72	-5.29	-6.31	-7.86	-10.1	-13.3	-17.2	-17.89	-14.11	-10.79	-8.39	-6.67	-5.42	-4.56	-4.01	-3.75	-3.79	-4.12	-4.79	-5.86	-7.42	-9.62	-12.62	-15.75	-15.34	-12.09	-9.26	-7.18
150	-6.71	-7.09	-6.86	-6.17	-5.33	-4.6	-4.1	-3.89	-3.98	-4.4	-5.15	-6.27	-7.81	-9.77	-12	-13.63	-13.23	-11.32	-9.31	-7.66	-6.43	-5.56	-5.02	-4.8	-4.87	-5.26	-6	-7.13	-8.7	-10.72	-12.81	-13.57	-12.06	-9.75	-7.7	-6.08
155	-5.35	-5.59	-5.51	-5.17	-4.7	-4.25	-3.92	-3.78	-3.87	-4.2	-4.8	-5.68	-6.85	-8.31	-9.94	-11.4	-11.98	-11.35	-10.05	-8.7	-7.58	-6.75	-6.23	-6	-6.06	-6.41	-7.06	-8	-9.16	-10.34	-11.05	-10.76	-9.56	-8.04	-6.58	-5.33
160	-4.31	-4.49	-4.56	-4.5	-4.36	-4.21	-4.12	-4.13	-4.3	-4.65	-5.2	-5.98	-6.98	-8.21	-9.58	-10.87	-11.67	-11.61	-10.82	-9.76	-8.76	-7.96	-7.41	-7.1	-7.03	-7.18	-7.52	-8	-8.51	-8.88	-8.93	-8.54	-7.78	-6.83	-5.86	-4.96
165	-3.61	-3.77	-3.93	-4.07	-4.21	-4.35	-4.54	-4.79	-5.15	-5.63	-6.27	-7.09	-8.09	-9.27	-10.6	-11.79	-12.58	-12.61	-11.95	-10.95	-9.94	-9.07	-8.39	-7.9	-7.59	-7.43	-7.38	-7.39	-7.41	-7.36	-7.2	-6.89	-6.45	-5.91	-5.34	-4.77
170	-3.27	-3.43	-3.64	-3.91	-4.22	-4.59	-5.02	-5.54	-6.16	-6.89	-7.76	-8.8	-10	-11.4	-12.9	-14.31	-15.08	-14.83	-13.79	-12.46	-11.19	-10.08	-9.16	-8.42	-7.83	-7.36	-6.98	-6.67	-6.4	-6.15	-5.9	-5.64	-5.37	-5.08	-4.8	-4.52
175	-3.3	-3.45	-3.68	-3.98	-4.37	-4.84	-5.4	-6.07	-6.87	-7.81	-8.93	-10.3	-11.9	-13.9	-16.2	-18.9	-20.56	-19.48	-16.99	-14.64	-12.72	-11.16	-9.9	-8.85	-7.98	-7.25	-6.63	-6.11	-5.67	-5.3	-4.98	-4.71	-4.49	-4.31	-4.17	-4.07
180	-3.61	-3.72	-3.9	-4.16	-4.48	-4.89	-5.39	-6	-6.71	-7.57	-8.59	-9.83	-11.3	-13.3	-15.8	-19.57	-26.38	-37.48	-23.24	-18	-14.79	-12.51	-10.75	-9.35	-8.2	-7.24	-6.44	-5.76	-5.2	-4.73	-4.35	-4.05	-3.83	-3.67	-3.59	-3.56

EV - 2412 MHz

Azimuth (Phi°)

Elevation (Theta°)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
-180	-23.2	-18	-14.8	-12.5	-10.8	-9.35	-8.2	-7.24	-6.44	-5.76	-5.2	-4.73	-4.35	-4.05	-3.83	-3.67	-3.59	-3.56	-3.61	-3.72	-3.9	-4.16	-4.48	-4.89	-5.39	-6	-6.71	-7.57	-8.59	-9.83	-11.3	-13.3	-15.8	-19.6	-26.4	-37.5
-175	-20.8	-17.1	-14.5	-12.4	-10.7	-9.34	-8.15	-7.12	-6.22	-5.44	-4.76	-4.17	-3.66	-3.23	-2.88	-2.6	-2.39	-2.25	-2.19	-2.19	-2.27	-2.43	-2.66	-2.98	-3.4	-3.91	-4.55	-5.31	-6.22	-7.32	-8.65	-10.3	-12.4	-15.2	-19.5	-28.1
-170	-19	-16.6	-14.5	-12.6	-10.9	-9.49	-8.22	-7.08	-6.07	-5.17	-4.36	-3.65	-3.02	-2.47	-2	-1.6	-1.28	-1.02	-0.84	-0.74	-0.71	-0.76	-0.9	-1.13	-1.45	-1.88	-2.43	-3.11	-3.93	-4.92	-6.12	-7.58	-9.39	-11.7	-14.8	-19.6
-165	-15.6	-14.4	-13.1	-11.7	-10.4	-9.11	-7.93	-6.84	-5.83	-4.91	-4.07	-3.3	-2.6	-1.98	-1.42	-0.93	-0.51	-0.15	0.13	0.35	0.49	0.55	0.52	0.41	0.19	-0.14	-0.58	-1.16	-1.89	-2.79	-3.88	-5.22	-6.85	-8.89	-11.5	-15.2
-160	-12.2	-11.5	-10.7	-9.76	-8.81	-7.86	-6.92	-6.01	-5.15	-4.33	-3.55	-2.83	-2.16	-1.54	-0.97	-0.45	0.01	0.42	0.78	1.07	1.29	1.45	1.52	1.51	1.4	1.19	0.85	0.38	-0.24	-1.03	-2.02	-3.25	-4.78	-6.68	-9.11	-12.3
-155	-9.97	-9.49	-8.83	-8.06	-7.24	-6.4	-5.57	-4.78	-4.02	-3.3	-2.63	-2	-1.41	-0.87	-0.37	0.09	0.51	0.89	1.23	1.53	1.77	1.97	2.1	2.16	2.14	2.02	1.8	1.45	0.95	0.28	-0.6	-1.71	-3.13	-4.92	-7.23	-10.3
-150	-9.14	-8.84	-8.21	-7.36	-6.42	-5.46	-4.55	-3.7	-2.92	-2.21	-1.58	-1	-0.49	-0.03	0.38	0.75	1.07	1.36	1.61	1.84	2.03	2.19	2.31	2.39	2.42	2.38	2.25	2.01	1.65	1.12	0.39	-0.57	-1.85	-3.51	-5.7	-8.58
-145	-9.69	-9.76	-9.06	-7.89	-6.57	-5.31	-4.17	-3.17	-2.29	-1.53	-0.87	-0.3	0.2	0.62	0.99	1.29	1.55	1.75	1.92	2.05	2.15	2.23	2.28	2.32	2.33	2.32	2.26	2.13	1.91	1.55	1	0.22	-0.87	-2.37	-4.39	-7.12
-140	-11.6	-12.7	-11.8	-9.72	-7.67	-5.93	-4.51	-3.33	-2.35	-1.52	-0.81	-0.21	0.31	0.75	1.12	1.43	1.68	1.88	2.03	2.13	2.17	2.17	2.14	2.09	2.04	1.99	1.96	1.91	1.83	1.65	1.3	0.73	-0.16	-1.46	-3.31	-5.85
-135	-14	-19.4	-17.3	-12.5	-9.28	-7.07	-5.44	-4.18	-3.15	-2.29	-1.56	-0.92	-0.37	0.12	0.55	0.94	1.27	1.55	1.78	1.94	2.02	2.03	1.98	1.86	1.72	1.6	1.52	1.51	1.52	1.5	1.35	0.99	0.3	-0.81	-2.48	-4.87
-130	-14.6	-25.4	-20.5	-13.6	-10.2	-8.1	-6.64	-5.54	-4.64	-3.88	-3.19	-2.56	-1.97	-1.41	-0.86	-0.34	0.16	0.62	1.03	1.37	1.61	1.75	1.77	1.68	1.52	1.32	1.16	1.09	1.13	1.2	1.21	1.02	0.5	-0.45	-1.97	-4.21
-125	-13.8	-17.7	-15.2	-11.9	-9.71	-8.37	-7.52	-6.96	-6.52	-6.11	-5.66	-5.15	-4.56	-3.91	-3.2	-2.45	-1.69	-0.95	-0.27	0.34	0.84	1.21	1.42	1.48	1.4	1.21	0.99	0.83	0.79	0.86	0.92	0.83	0.44	-0.38	-1.78	-3.87
-120	-14.5	-15.5	-12.6	-10.2	-8.8	-8.06	-7.78	-7.8	-7.96	-8.12	-8.15	-7.98	-7.55	-6.9	-6.06	-5.1	-4.08	-3.06	-2.07	-1.15	-0.34	0.32	0.82	1.12	1.23	1.16	0.97	0.75	0.6	0.55	0.56	0.48	0.16	-0.58	-1.85	-3.75
-115	-18.1	-15.6	-11.8	-9.5	-8.31	-7.8	-7.73	-7.93	-8.26	-8.59	-8.81	-8.82	-8.62	-8.21	-7.62	-6.9	-6.06	-5.12	-4.09	-3.01	-1.94	-0.95	-0.12	0.5	0.89	1.04	0.98	0.79	0.55	0.36	0.22	0.06	-0.27	-0.94	-2.07	-3.72
-110	-27	-15.5	-11.4	-9.33	-8.3	-7.87	-7.79	-7.86	-7.96	-7.99	-7.92	-7.74	-7.5	-7.24	-6.98	-6.76	-6.54	-6.25	-5.75	-4.95	-3.85	-2.62	-1.43	-0.44	0.29	0.73	0.9	0.82	0.58	0.28	-0.03	-0.34	-0.74	-1.37	-2.35	-3.7
-105	-18.8	-13.6	-10.8	-9.29	-8.56	-8.25	-8.12	-8.01	-7.82	-7.54	-7.21	-6.87	-6.55	-6.3	-6.14	-6.12	-6.25	-6.5	-6.73	-6.62	-5.88	-4.57	-3.05	-1.65	-0.53	0.24	0.67	0.78	0.62	0.28	-0.16	-0.63	-1.14	-1.78	-2.63	-3.73
-100	-13.8	-11.6	-10.1	-9.21	-8.84	-8.71	-8.61	-8.38	-8.01	-7.55	-7.08	-6.66	-6.34	-6.11	-6.01	-6.07	-6.33	-6.8	-7.42	-7.92	-7.73	-6.53	-4.73	-2.94	-1.45	-0.36	0.33	0.64	0.61	0.3	-0.2	-0.8	-1.45	-2.16	-2.96	-3.92
-95	-12.1	-10.7	-9.74	-9.22	-9.03	-8.98	-8.88	-8.6	-8.14	-7.6	-7.08	-6.67	-6.39	-6.26	-6.29	-6.47	-6.83	-7.4	-8.14	-8.84	-8.92	-7.85	-5.96	-3.97	-2.26	-0.95	-0.08	0.4	0.49	0.25	-0.25	-0.93	-1.71	-2.53	-3.4	-4.37
-90	-12.6	-11.2	-10.2	-9.48	-9.07	-8.79	-8.5	-8.08	-7.54	-6.97	-6.45	-6.08	-5.88	-5.87	-6.03	-6.36	-6.82	-7.42	-8.08	-8.62	-8.66	-7.83	-6.26	-4.46	-2.8	-1.48	-0.52	0.04	0.23	0.06	-0.41	-1.12	-1.99	-2.95	-3.97	-5.11
-85	-15.4	-13.2	-11.4	-10	-8.98	-8.15	-7.44	-6.76	-6.09	-5.49	-4.99	-4.65	-4.49	-4.51	-4.69	-5	-5.43	-5.91	-6.41	-6.81	-6.93	-6.56	-5.66	-4.41	-3.1	-1.93	-1.04	-0.46	-0.23	-0.34	-0.77	-1.48	-2.4	-3.47	-4.68	-6.1
-80	-22.6	-17.3	-13.4	-10.8	-8.81	-7.33	-6.17	-5.22	-4.43	-3.78	-3.29	-2.97	-2.82	-2.81	-2.92	-3.14	-3.44	-3.79	-4.18	-4.57	-4.87	-4.94	-4.68	-4.06	-3.22	-2.35	-1.62	-1.11	-0.9	-0.99	-1.38	-2.07	-3	-4.16	-5.55	-7.31
-75	-28.1	-23.9	-15.7	-11.4	-8.64	-6.64	-5.14	-3.98	-3.08	-2.4	-1.92	-1.61	-1.46	-1.43	-1.49	-1.63	-1.84	-2.11	-2.45	-2.84	-3.25	-3.58	-3.74	-3.62	-3.25	-2.74	-2.24	-1.88	-1.73	-1.84	-2.24	-2.91	-3.85	-5.08	-6.65	-8.77
-70	-16.7	-19.7	-16.2	-11.8	-8.59	-6.28	-4.56	-3.25	-2.28	-1.57	-1.08	-0.79	-0.64	-0.61	-0.66	-0.77	-0.93	-1.16	-1.46	-1.84	-2.28	-2.72	-3.07	-3.27	-3.26	-3.08	-2.85	-2.69	-2.67	-2.86	-3.29	-3.99	-4.97	-6.3	-8.09	-10.6
-65	-12.3	-14.4	-14.2	-11.6	-8.69	-6.33	-4.49	-3.1	-2.06	-1.32	-0.83	-0.54	-0.41	-0.4	-0.46	-0.57	-0.73	-0.93	-1.2	-1.54	-1.94	-2.37	-2.78	-3.11	-3.31	-3.4	-3.43	-3.48	-3.63	-3.95	-4.47	-5.25	-6.34	-7.85	-9.97	-13.2
-60	-9.85	-11.3	-12	-11	-8.93	-6.78	-4.95	-3.51	-2.43	-1.66	-1.16	-0.88	-0.77	-0.79	-0.88	-1.02	-1.18	-1.37	-1.6	-1.86	-2.18	-2.52	-2.88	-3.22	-3.52	-3.77	-4	-4.26	-4.59	-5.04	-5.68	-6.58	-7.84	-9.61	-12.3	-16.7
-55	-8.3	-9.34	-10.2	-10.3	-9.24	-7.58	-5.9	-4.47	-3.36	-2.56	-2.05	-1.77	-1.69	-1.76	-1.9	-2.09	-2.28	-2.45	-2.61	-2.78	-2.96	-3.17	-3.41	-3.69	-3.99	-4.31	-4.66	-5.04	-5.5	-6.06	-6.79	-7.78	-9.17	-11.2	-14.3	-20
-50	-7.31	-8.13	-9.02	-9.66	-9.58	-8.65	-7.3	-5.96	-4.84	-4.02	-3.5	-3.24	-3.2	-3.33	-3.56	-3.82	-4.05	-4.2	-4.28	-4.3	-4.3	-4.33	-4.41	-4.56	-4.79	-5.08	-5.44	-5.86	-6.34	-6.92	-7.65	-8.63	-9.99	-11.9	-14.9	-19.2
-45	-6.78	-7.48	-8.38	-9.31	-9.94	-9.87	-9.08	-7.97	-6.92	-6.1	-5.58	-5.35	-5.38	-5.62	-5.99	-6.39	-6.69	-6.81	-6.73	-6.5	-6.23	-6	-5.85	-5.81	-5.89	-6.07	-6.33	-6.67	-7.08	-7.59	-8.25	-9.13	-10.3	-12	-14.3	-17.1
-40	-6.66	-7.32	-8.21	-9.3	-10.4	-11.1	-11.2	-10.6	-9.71	-8.96	-8.49	-8.34	-8.51	-8.98	-9.63	-10.3	-10.7	-10.7	-10.1	-9.36	-8.6	-7.95	-7.49	-7.19	-7.06	-7.07	-7.19	-7.41	-7.73	-8.17	-8.76	-9.57	-10.7	-12.1	-14	-16.2
-35	-6.89	-7.55	-8.45	-9.6	-10.9	-12.3	-13.4	-13.8	-13.5	-13.1	-12.8	-12.9	-13.4	-14.5	-15.9	-17.2	-17.2	-15.6	-13.6	-11.8	-10.4	-9.35	-8.62	-8.15	-7.89	-7.81	-7.87	-8.06	-8.38	-8.85	-9.49	-10.4	-11.5	-13	-14.8	-16.9
-30	-7.39	-8.06	-8.95	-10.1	-11.5	-13.2	-15	-16.9	-18.5	-19.6	-20.6	-21.9	-24.4	-29.7	-32.7	-24	-18.9	-15.5	-13.2	-11.4	-10.2	-9.27	-8.66	-8.29	-8.12	-8.13	-8.3	-8.62	-9.1	-9.74	-10.6	-11.6	-13	-14.7	-16.7	-18.8
-25	-7.96	-8.64	-9.51	-10.6	-11.9	-13.5	-15.4	-17.8	-20.7	-24	-26.7	-25.7	-22.5	-19.5	-17	-14.9	-13.1	-11.6	-10.4	-9.49	-8.78	-8.27	-7.96	-7.84	-7.88	-8.08	-8.44	-8.96	-9.64	-10.5	-11.6	-12.9	-14.4	-16.1	-17.8	-18.9
-20	-8.39	-9.08	-9.89	-10.9	-12	-13.3	-14.7	-16.1	-17.2	-17.7	-17.2	-16.1	-14.7	-13.3	-12.1	-10.9	-9.94	-9.11	-8.43	-7.89	-7.51	-7.27	-7.17	-7.21	-7.39	-7.7	-8.15	-8.74	-9.46	-10.3	-11.3	-12.4	-13.5	-14.4	-15.1	-15.3
-15	-8.51	-9.19	-9.97	-10.8	-11.8	-12.7	-13.6	-14.2	-14.5	-14.2	-13.6	-12.7	-11.7	-10.7	-9.81	-9.01	-8.33	-7.75	-7.29	-6.93	-6.69	-6.56	-6.53	-6.61	-6.79	-7.07	-7.45	-7.91	-8.45	-9.04	-9.67	-10.3	-10.9	-11.3	-11.7	-11.9
-10	-8.38	-9.04	-9.77	-10.5	-11.3	-12.1	-12.6	-13	-12.9	-12.6	-12	-11.2	-10.4	-9.6	-8.88	-8.23	-7.67	-7.2	-6.82	-6.52	-6.31	-6.18	-6.13	-6.15	-6.24	-6.4	-6.62	-6.89	-7.2	-7.54	-7.91	-8.28	-8.65	-9	-9.34	-9.67
-5	-8.2	-8.83	-9.51	-10.2	-10.9	-11.6	-12.1	-12.3	-12.3	-12	-11.5	-10.9	-10.2	-9.5	-8.85	-8.26	-7.73	-7.27	-6.88	-6.56	-6.3	-6.11	-5.97	-5.89	-5.87	-5.89	-5.96	-6.08	-6.24	-6.43	-6.66	-6.93	-7.23	-7.57	-7.94	-8.35
0	-8.26	-8.84	-9.46	-10.1	-10.8	-11.4	-11.9	-12.3	-12.4	-12.3	-12	-11.5	-10.9	-10.2	-9.58	-8.95	-8.37	-7.84	-7.36	-6.95	-6.59	-6.29	-6.04	-5.85	-5.71	-5.63	-5.6	-5.62	-5.69	-5.82	-6	-6.23	-6.53	-6.87	-7.28	-7.74
5	-8.79	-9.28	-9.81	-10.4	-11	-11.6	-12.3	-12.9	-13.3	-13.6	-13.5	-13.1	-12.5	-11.8	-11	-10.1	-9.34	-8.62	-7.97	-7.39	-6.9	-6.48	-6.14	-5.86	-5.66	-5.52	-5.45	-5.44	-5.49	-5.61	-5.78	-6.02	-6.33	-6.7	-7.13	-7.63
10	-10	-10.3	-10.7	-11.2	-11.7	-12.4	-13.2	-14.1	-15.1	-16	-16.5	-16.2	-15.2	-13.8	-12.4	-11.1	-9.89	-8.89	-8.04	-7.33	-6.76	-6.29	-5.93	-5.67	-5.48	-5.38	-5.34	-5.37	-5.46	-5.61	-5.82	-6.09	-6.41	-6.8	-7.26	-7.78
15	-12.1	-12.2	-12.3	-12.6	-13	-13.7	-14.7	-16.2	-18.3	-20.9	-22.7	-20.8	-17.5	-14.6	-12.3	-10.6	-9.16	-8.04	-7.16	-6.47	-5.95	-5.56	-5.3	-5.14	-5.07	-5.07	-5.14	-5.27	-5.44	-5.65	-5.91	-6.21	-6.55	-6.94	-7.39	-7.92
20	-15.2	-14.8	-14.5	-14.4	-14.6	-15.2	-16.4	-18.4	-22.1	-30.7	-30.6	-20.8	-16	-13	-10.7	-9	-7.68	-6.67	-5.89	-5.31	-4.91	-4.66	-4.53	-4.51	-4.57	-4.71	-4.9	-5.13	-5.38	-5.65	-5.93	-6.23	-6.55	-6.91	-7.32	-7.81
25	-18.8	-17.9	-16.9	-16.2	-15.8	-16	-16.7	-18.1	-19.9	-21.1	-19.4	-16.2	-13.3	-11	-9.1	-7.62	-6.46	-5.57	-4.89	-4.42	-4.11	-3.96	-3.94	-4.03	-4.2	-4.45	-4.73	-5.04	-5.34	-5.62	-5.88	-6.13	-6.38	-6.66	-7	-7.42
30	-20	-19.3	-17.8	-16.3	-15.3	-14.8	-14.6	-14.8	-15	-15	-14.3	-13	-11.3	-9.61	-8.11	-6.83	-5.79	-4.96	-4.34	-3.9	-3.63	-3.52	-3.54	-3.68	-3.92	-4.23	-4.59	-4.95	-5.3	-5.59	-5.82	-6	-6.15	-6.32	-6.56	-6.9
35	-18.4	-18.1	-16.4	-14.7	-13.3	-12.3	-11.7	-11.3	-11.2	-11.1	-10.9	-10.4	-9.53	-8.49	-7.39	-6.33	-5.38	-4.59	-3.95	-3.48	-3.17	-3.02	-3.01	-3.13	-3.38	-3.72	-4.14	-4.6	-5.04	-5.41	-5.68	-5.84	-5.94	-6.03	-6.18	-6.45
40	-17.6	-16.8	-14.7	-12.6	-11	-9.86	-9.06	-8.54	-8.25	-8.1	-8	-7.85	-7.55	-7.05	-6.37	-5.57	-4.76	-3.99	-3.33	-2.79	-2.39	-2.14	-2.05	-2.1	-2.31	-2.66	-3.13	-3.68	-4.28	-4.84	-5.28	-5.58	-5.74	-5.84	-5.98	-6.23
45	-18.5	-16.4	-13.5	-11	-9.24	-7.93	-7	-6.37	-5.97	-5.76	-5.67	-5.64	-5.56	-5.37	-5.01	-4.47	-3.8	-3.1	-2.43	-1.84	-1.36	-1.03	-0.84	-0.82	-0.97	-1.29	-1.77	-2.4	-3.12	-3.87	-4.57	-5.11	-5.49	-5.75	-5.98	-6.3
50	-21.9	-17.1	-12.9	-10.1	-8.04	-6.58	-5.53	-4.81	-4.34	-4.08	-3.99	-4	-4.04	-4.02	-3.86	-3.51	-2.97	-2.33	-1.66	-1.03	-0.5	-0.1	0.15	0.24	0.15	-0.12	-0.58	-1.21	-1.98	-2.85	-3.73	-4.53	-5.19	-5.71	-6.16	-6.67
55	-32.6	-18.8	-13.1	-9.7	-7.42	-5.8	-4.64	-3.84	-3.34	-3.08	-3.02	-3.11	-3.27	-3.41	-3.42	-3.21	-2.76	-2.14	-1.45	-0.77	-0.18	0.29	0.61	0.76	0.73	0.52	0.11	-0.48	-1.25	-2.15	-3.12	-4.09	-4.98	-5.78	-6.54	-7.35
60	-26.7	-21.5	-14	-10	-7.42	-5.6	-4.32	-3.46	-2.95	-2.74	-2.78	-3.02	-3.39	-3.76	-3.98	-3.91	-3.51	-2.86	-2.08	-1.31	-0.63	-0.07	0.34	0.57	0.62	0.47	0.13	-0.42	-1.15	-2.04	-3.03	-4.08	-5.12	-6.15	-7.23	-8.44
65	-18.7	-24.6	-16.2	-11.2	-8.05	-5.95	-4.52	-3.62	-3.13	-3.02	-3.24	-3.74	-4.45	-5.23	-5.84	-6	-5.62	-4.82	-3.84	-2.88	-2.03	-1.33	-0.8	-0.45	-0.31	-0.37	-0.65	-1.14	-1.83	-2.7	-3.7	-4.78	-5.9	-7.1	-8.47	-10.2
70	-14.7	-22.8	-21.2	-13.4	-9.35	-6.82	-5.19	-4.23	-3.8	-3.84	-4.31	-5.21	-6.49	-8.04	-9.56	-10.4	-9.95	-8.68	-7.2	-5.84	-4.67	-3.71	-2.97	-2.45	-2.17	-2.13	-2.34	-2.8	-3.49	-4.38	-5.4	-6.51	-7.68	-9	-10.7	-13.1
75	-11.9	-17.7	-41.4	-17	-11.2	-8.07	-6.21	-5.18	-4.8	-5	-5.75	-7.07	-9.04	-11.8	-15.7	-20.6	-20.9	-16.7	-13.4	-11	-9.1	-7.62	-6.46	-5.63	-5.11	-4.94	-5.09	-5.58	-6.38	-7.42	-8.62	-9.85	-11.1	-12.6	-14.8	-18.6
80	-9.72	-13.4	-19	-18.2	-12.7	-9.28	-7.3	-6.26	-5.95	-6.24	-7.09	-8.45	-10.3	-12.4	-14.6	-16.8	-19	-21.5	-23.3	-21	-17	-13.9	-11.6	-10	-9.03	-8.62	-8.73	-9.36	-10.5	-12.1	-14.1	-16.1	-17.9	-19.6	-22.2	-25.5
85	-7.88	-10.2	-12.8	-13.7	-11.8	-9.51	-7.96	-7.16	-6.97	-7.28	-7.91	-8.66	-9.33	-9.84	-10.3	-11	-12.1	-14	-17.1	-23	-41.8	-22.1	-16.7	-13.8	-12.2	-11.4	-11.2	-11.6	-12.5	-14	-15.9	-18.3	-20.4	-21.3	-20.2	-17.8
90	-6.44	-7.95	-9.28	-9.74	-9.17	-8.27	-7.62	-7.4	-7.57	-7.94	-8.28	-8.42	-8.39	-8.4	-8.68	-9.39	-10.6	-12.6	-15.5	-19.7	-23.2	-20.3	-16.7	-14.2	-12.6	-11.5	-10.7	-10.2	-10.1	-10.3	-10.9	-11.9	-13.3	-14.7	-15.2	-14.2
95	-5.45	-6.48	-7.1	-7.09	-6.69	-6.33	-6.3	-6.67	-7.34	-8.05	-8.45	-8.46	-8.32	-8.39	-8.88	-9.96	-11.8	-14.4	-17.7	-20.2	-19.1	-17	-15.4	-14.2	-13	-11.7	-10.3	-9	-8.1	-7.7	-7.85	-8.62	-10	-11.9	-13.5	-13.5
100	-4.93	-5.68	-5.8	-5.35	-4.78	-4.47	-4.6	-5.2	-6.16	-7.24	-8.08	-8.5	-8.71	-9.07	-9.88	-11.2	-13	-14.6	-14.9	-14	-13.1	-12.8	-13.3	-14.4	-15.4	-14.1	-11.4	-8.95	-7.28	-6.38	-6.23	-6.82	-8.22	-10.5	-13.5	-15.4
105	-4.86	-5.48	-5.17	-4.27	-3.43	-2.97	-3.01	-3.53	-4.43	-5.55	-6.63	-7.47	-8.07	-8.61	-9.2	-9.74	-9.94	-9.65	-9.06	-8.55	-8.41	-8.87	-10.2	-13	-18.5	-21.6	-13.8	-9.39	-6.89	-5.56	-5.14	-5.56	-6.87	-9.29	-13.4	-20.2
110	-5.12	-5.77	-5.06	-3.71	-2.56	-1.89	-1.74	-2.05	-2.72	-3.62	-4.56	-5.37	-5.96	-6.32	-6.47	-6.39	-6.11	-5.73	-5.39	-5.27	-5.5	-6.25	-7.75	-10.5	-15.9	-24.2	-14.1	-9	-6.22	-4.72	-4.15	-4.4	-5.5	-7.62	-11.3	-18.5
115	-5.57	-6.42	-5.34	-3.55	-2.1	-1.21	-0.85	-0.93	-1.35	-1.98	-2.67	-3.27	-3.71	-3.94	-3.96	-3.84	-3.64	-3.45	-3.39	-3.55	-4.03	-4.95	-6.49	-8.95	-12.6	-14.7	-11.2	-7.56	-5.18	-3.8	-3.22	-3.37	-4.25	-5.97	-8.75	-13.1
120	-6.04	-7.23	-5.88	-3.7	-1.98	-0.89	-0.35	-0.24	-0.44	-0.84	-1.32	-1.77	-2.12	-2.32	-2.4	-2.4	-2.39	-2.46	-2.66	-3.09	-3.82	-4.95	-6.62	-8.9	-11.3	-11.4	-8.76	-6.12	-4.23	-3.07	-2.57	-2.68	-3.43	-4.86	-7.12	-10.4
125	-6.51	-8.07	-6.54	-4.07	-2.16	-0.92	-0.24	0.03	-0.01	-0.26	-0.61	-0.97	-1.3	-1.56	-1.77	-1.97	-2.21	-2.55	-3.08	-3.86	-4.96	-6.49	-8.5	-10.8	-11.7	-9.97	-7.37	-5.21	-3.67	-2.73	-2.33	-2.47	-3.16	-4.46	-6.5	-9.51
130	-7.07	-8.89	-7.28	-4.64	-2.61	-1.28	-0.5	-0.13	-0.07	-0.22	-0.5	-0.85	-1.21	-1.58	-1.97	-2.42	-2.97	-3.7	-4.69	-6.05	-7.92	-10.5	-13.7	-15.2	-12.4	-9.08	-6.54	-4.72	-3.49	-2.76	-2.5	-2.71	-3.41	-4.68	-6.65	-9.64
135	-7.89	-9.82	-8.13	-5.43	-3.36	-1.99	-1.15	-0.73	-0.6	-0.7	-0.95	-1.31	-1.75	-2.25	-2.84	-3.56	-4.49	-5.71	-7.39	-9.81	-13.6	-21.3	-27.5	-15.4	-10.6	-7.75	-5.79	-4.44	-3.56	-3.08	-3	-3.3	-4.04	-5.27	-7.13	-9.87
140	-9.03	-11	-9.27	-6.54	-4.47	-3.08	-2.22	-1.75	-1.58	-1.64	-1.86	-2.21	-2.66	-3.23	-3.92	-4.79	-5.88	-7.27	-9.04	-11.2	-13.2	-13.6	-11.9	-9.61	-7.68	-6.17	-5.06	-4.28	-3.8	-3.62	-3.73	-4.14	-4.88	-6	-7.54	-9.49
145	-10.5	-12.7	-10.9	-8.1	-6.01	-4.59	-3.69	-3.16	-2.9	-2.85	-2.95	-3.17	-3.47	-3.87	-4.34	-4.9	-5.53	-6.21	-6.84	-7.31	-7.47	-7.28	-6.8	-6.19	-5.56	-5.03	-4.63	-4.39	-4.32	-4.44	-4.74	-5.24	-5.95	-6.85	-7.9	-8.95
150	-12.2	-14.9	-13.1	-10.2	-7.99	-6.48	-5.45	-4.75	-4.3	-4	-3.82	-3.71	-3.67	-3.67	-3.72	-3.81	-3.94	-4.08	-4.23	-4.36	-4.45	-4.51	-4.53	-4.55	-4.58	-4.65	-4.79	-5	-5.3	-5.7	-6.19	-6.77	-7.4	-8.06	-8.65	-9.05
155	-14.2	-17.7	-16	-12.7	-10.2	-8.44	-7.14	-6.16	-5.37	-4.73	-4.19	-3.74	-3.36	-3.07	-2.85	-2.71	-2.65	-2.67	-2.76	-2.91	-3.13	-3.41	-3.74	-4.13	-4.58	-5.08	-5.64	-6.25	-6.9	-7.58	-8.26	-8.92	-9.51	-9.96	-10.2	-10.2
160	-16.8	-21.6	-19.2	-14.9	-12	-9.88	-8.28	-7.01	-5.95	-5.06	-4.31	-3.67	-3.16	-2.75	-2.46	-2.28	-2.2	-2.23	-2.37	-2.61	-2.96	-3.41	-3.96	-4.61	-5.35	-6.19	-7.1	-8.07	-9.07	-10.1	-11	-11.8	-12.5	-12.8	-12.9	-12.7
165	-20.9	-27.4	-20.4	-15.6	-12.5	-10.4	-8.69	-7.35	-6.25	-5.32	-4.55	-3.92	-3.41	-3.02	-2.76	-2.61	-2.57	-2.65	-2.85	-3.16	-3.59	-4.14	-4.81	-5.61	-6.52	-7.56	-8.71	-9.96	-11.3	-12.7	-14	-15.3	-16.3	-16.9	-17	-16.6
170	-29.8	-26.1	-18.5	-14.6	-12	-10.1	-8.65	-7.45	-6.47	-5.66	-5	-4.46	-4.04	-3.74	-3.54	-3.44	-3.45	-3.56	-3.78	-4.1	-4.52	-5.06	-5.7	-6.46	-7.33	-8.33	-9.45	-10.7	-12.1	-13.7	-15.5	-17.5	-19.7	-21.9	-22.8	-21.5
175	-31.1	-20.7	-16.2	-13.3	-11.3	-9.67	-8.42	-7.4	-6.56	-5.88	-5.33	-4.89	-4.55	-4.3	-4.14	-4.06	-4.06	-4.14	-4.3	-4.53	-4.84	-5.24	-5.72	-6.28	-6.94	-7.7	-8.59	-9.61	-10.8	-12.2	-14	-16.2	-19.2	-23.6	-30.2	-26.6
180	-23.2	-18	-14.8	-12.5	-10.8	-9.35	-8.2	-7.24	-6.44	-5.76	-5.2	-4.73	-4.35	-4.05	-3.83	-3.67	-3.59	-3.56	-3.61	-3.72	-3.9	-4.16	-4.48	-4.89	-5.39	-6	-6.71	-7.57	-8.59	-9.83	-11.3	-13.3	-15.8	-19.6	-26.4	-37.5

ANT1 (2G0) @2412 MHz



EH - 2437 MHz

Azimuth (Phi°)

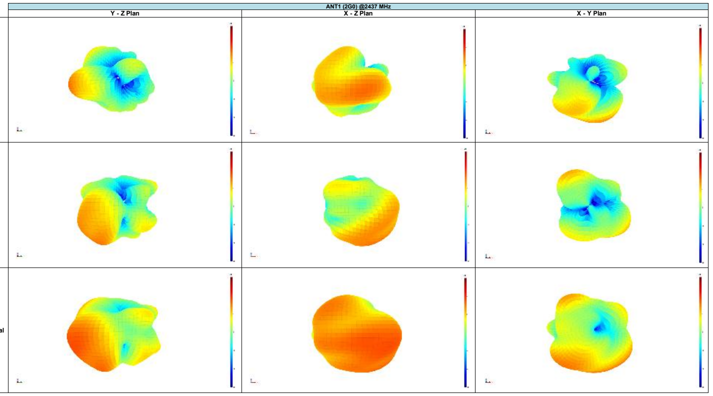
Elevation (Theta°)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
-180	-3.35	-3.4	-3.51	-3.69	-3.94	-4.26	-4.67	-5.17	-5.77	-6.49	-7.34	-8.36	-9.59	-11.1	-13	-15.54	-19.23	-25.77	-35.32	-23.05	-17.83	-14.62	-12.32	-10.56	-9.15	-8	-7.04	-6.24	-5.56	-5	-4.53	-4.15	-3.85	-3.62	-3.46	-3.37
-175	-3.53	-3.48	-3.49	-3.54	-3.66	-3.84	-4.08	-4.4	-4.81	-5.32	-5.93	-6.67	-7.57	-8.67	-10	-11.7	-13.85	-16.69	-20.35	-22.78	-20.05	-16.38	-13.54	-11.37	-9.68	-8.31	-7.2	-6.28	-5.53	-4.91	-4.41	-4.01	-3.71	-3.48	-3.34	-3.27
-170	-3.54	-3.33	-3.16	-3.05	-3	-3.02	-3.11	-3.27	-3.52	-3.85	-4.28	-4.82	-5.49	-6.31	-7.3	-8.52	-10.03	-11.91	-14.28	-17.02	-18.89	-17.66	-14.88	-12.33	-10.29	-8.67	-7.37	-6.34	-5.51	-4.86	-4.36	-3.98	-3.72	-3.54	-3.45	-3.41
-165	-3.3	-2.91	-2.6	-2.36	-2.21	-2.14	-2.15	-2.25	-2.42	-2.66	-3	-3.42	-3.94	-4.58	-5.35	-6.29	-7.44	-8.85	-10.6	-12.76	-15.17	-16.77	-15.84	-13.42	-11.05	-9.11	-7.58	-6.38	-5.45	-4.76	-4.26	-3.94	-3.76	-3.7	-3.72	-3.8
-160	-2.99	-2.48	-2.08	-1.8	-1.62	-1.54	-1.54	-1.61	-1.76	-1.98	-2.25	-2.6	-3.01	-3.51	-4.11	-4.83	-5.71	-6.79	-8.13	-9.79	-11.82	-13.99	-15.21	-14.17	-11.91	-9.7	-7.89	-6.48	-5.41	-4.64	-4.12	-3.84	-3.76	-3.85	-4.06	-4.33
-155	-2.87	-2.28	-1.86	-1.57	-1.41	-1.34	-1.37	-1.46	-1.61	-1.81	-2.05	-2.33	-2.66	-3.04	-3.48	-4.02	-4.67	-5.49	-6.5	-7.78	-9.35	-11.2	-12.96	-13.58	-12.36	-10.29	-8.32	-6.71	-5.48	-4.59	-4.02	-3.74	-3.73	-3.96	-4.38	-4.92
-150	-3.08	-2.44	-2	-1.72	-1.59	-1.57	-1.63	-1.75	-1.92	-2.11	-2.32	-2.55	-2.79	-3.06	-3.37	-3.76	-4.23	-4.83	-5.58	-6.52	-7.68	-9.06	-10.52	-11.61	-11.58	-10.35	-8.63	-7.01	-5.68	-4.69	-4.04	-3.73	-3.74	-4.07	-4.68	-5.49
-145	-3.6	-2.9	-2.44	-2.18	-2.08	-2.09	-2.18	-2.33	-2.5	-2.68	-2.86	-3.03	-3.2	-3.38	-3.6	-3.86	-4.2	-4.64	-5.18	-5.85	-6.65	-7.57	-8.53	-9.36	-9.72	-9.34	-8.32	-7.05	-5.84	-4.86	-4.18	-3.84	-3.86	-4.24	-4.99	-6.07
-140	-4.28	-3.5	-3.02	-2.77	-2.67	-2.69	-2.78	-2.9	-3.04	-3.16	-3.27	-3.36	-3.47	-3.59	-3.75	-3.96	-4.23	-4.57	-4.97	-5.44	-5.95	-6.48	-6.99	-7.42	-7.66	-7.61	-7.2	-6.51	-5.71	-4.96	-4.39	-4.1	-4.14	-4.56	-5.41	-6.71
-135	-4.86	-4.03	-3.52	-3.25	-3.12	-3.08	-3.07	-3.07	-3.06	-3.04	-3.03	-3.04	-3.08	-3.17	-3.31	-3.5	-3.75	-4.06	-4.4	-4.76	-5.11	-5.42	-5.65	-5.8	-5.86	-5.83	-5.7	-5.47	-5.17	-4.85	-4.58	-4.48	-4.63	-5.12	-6.04	-7.49
-130	-5.11	-4.28	-3.79	-3.49	-3.28	-3.09	-2.88	-2.65	-2.43	-2.23	-2.09	-2.02	-2.02	-2.07	-2.19	-2.36	-2.58	-2.84	-3.14	-3.47	-3.79	-4.07	-4.27	-4.36	-4.35	-4.3	-4.26	-4.26	-4.34	-4.47	-4.66	-4.92	-5.33	-5.97	-6.96	-8.46
-125	-4.93	-4.24	-3.84	-3.57	-3.27	-2.89	-2.42	-1.93	-1.49	-1.14	-0.91	-0.78	-0.74	-0.77	-0.85	-0.96	-1.09	-1.27	-1.49	-1.77	-2.11	-2.46	-2.77	-2.98	-3.06	-3.05	-3.04	-3.14	-3.41	-3.86	-4.49	-5.24	-6.1	-7.04	-8.16	-9.62
-120	-4.39	-3.98	-3.84	-3.71	-3.38	-2.79	-2.05	-1.31	-0.68	-0.21	0.1	0.26	0.33	0.33	0.3	0.27	0.23	0.18	0.07	-0.13	-0.43	-0.83	-1.26	-1.65	-1.9	-2.01	-2.07	-2.2	-2.53	-3.13	-4.03	-5.21	-6.61	-8.1	-9.54	-10.94
-115	-3.63	-3.62	-3.89	-4.09	-3.84	-3.05	-2.01	-1	-0.19	0.39	0.75	0.94	1.02	1.04	1.07	1.12	1.19	1.26	1.28	1.2	0.97	0.6	0.11	-0.41	-0.84	-1.13	-1.29	-1.46	-1.79	-2.4	-3.39	-4.79	-6.6	-8.71	-10.78	-12.3
-110	-2.84	-3.25	-4.05	-4.78	-4.75	-3.74	-2.32	-1.03	-0.04	0.62	1.02	1.22	1.31	1.35	1.42	1.54	1.72	1.92	2.07	2.12	2	1.7	1.23	0.65	0.08	-0.38	-0.69	-0.93	-1.27	-1.86	-2.81	-4.24	-6.23	-8.78	-11.62	-13.57
-105	-2.25	-3.01	-4.35	-5.79	-6.1	-4.74	-2.87	-1.28	-0.14	0.58	1	1.19	1.25	1.29	1.38	1.56	1.83	2.14	2.42	2.6	2.6	2.41	2.01	1.44	0.81	0.21	-0.27	-0.64	-1.03	-1.61	-2.53	-3.92	-5.94	-8.74	-12.24	-14.86
-100	-2.04	-3.11	-4.96	-7.17	-7.77	-5.78	-3.38	-1.56	-0.34	0.39	0.78	0.92	0.94	0.94	1.01	1.21	1.54	1.94	2.34	2.64	2.78	2.7	2.4	1.9	1.26	0.58	-0.04	-0.58	-1.09	-1.73	-2.65	-4.04	-6.1	-9.08	-13.21	-16.47
-95	-2.35	-3.73	-6.1	-9.06	-9.38	-6.38	-3.6	-1.7	-0.5	0.18	0.49	0.55	0.48	0.39	0.4	0.56	0.9	1.35	1.84	2.25	2.51	2.56	2.38	1.98	1.4	0.69	-0.04	-0.75	-1.45	-2.22	-3.24	-4.7	-6.88	-10.17	-15.13	-18.23
-90	-3.24	-4.98	-7.97	-11.39	-10.02	-6.19	-3.41	-1.62	-0.54	0.03	0.24	0.19	0.01	-0.2	-0.32	-0.26	0	0.44	0.95	1.44	1.8	1.97	1.93	1.65	1.16	0.5	-0.29	-1.14	-2.04	-3.03	-4.26	-5.92	-8.38	-12.23	-18.37	-18
-85	-4.68	-6.87	-10.48	-12.81	-9.13	-5.41	-2.95	-1.39	-0.48	-0.03	0.07	-0.07	-0.36	-0.69	-0.96	-1.08	-0.98	-0.67	-0.21	0.28	0.7	0.98	1.05	0.91	0.55	-0.03	-0.79	-1.72	-2.8	-4.05	-5.57	-7.6	-10.54	-15.26	-20.25	-15.02
-80	-6.44	-9.05	-12.45	-11.68	-7.65	-4.56	-2.5	-1.19	-0.41	-0.05	0	-0.19	-0.53	-0.94	-1.36	-1.68	-1.83	-1.76	-1.49	-1.1	-0.71	-0.39	-0.21	-0.22	-0.44	-0.89	-1.57	-2.49	-3.65	-5.09	-6.91	-9.31	-12.7	-16.93	-16.3	-11.86
-75	-8.03	-10.45	-11.96	-9.69	-6.46	-3.99	-2.27	-1.13	-0.44	-0.1	-0.04	-0.19	-0.5	-0.92	-1.41	-1.9	-2.31	-2.57	-2.63	-2.51	-2.27	-2	-1.8	-1.72	-1.81	-2.11	-2.66	-3.47	-4.58	-6.04	-7.91	-10.29	-13.02	-14.38	-12.38	-9.44
-70	-8.67	-10.08	-10.08	-8.12	-5.75	-3.79	-2.33	-1.31	-0.63	-0.24	-0.09	-0.12	-0.33	-0.68	-1.15	-1.72	-2.32	-2.9	-3.37	-3.66	-3.76	-3.72	-3.62	-3.53	-3.54	-3.71	-4.09	-4.74	-5.68	-6.94	-8.52	-10.29	-11.65	-11.52	-9.85	-7.79
-65	-8.17	-8.66	-8.29	-6.99	-5.37	-3.87	-2.64	-1.68	-0.98	-0.49	-0.2	-0.08	-0.13	-0.35	-0.73	-1.28	-1.97	-2.76	-3.57	-4.32	-4.92	-5.31	-5.5	-5.58	-5.62	-5.72	-5.97	-6.43	-7.13	-8.07	-9.17	-10.17	-10.54	-9.9	-8.5	-6.89
-60	-7.13	-7.18	-6.84	-6.09	-5.09	-4.03	-3.05	-2.17	-1.43	-0.84	-0.39	-0.09	0.02	-0.04	-0.31	-0.78	-1.45	-2.31	-3.31	-4.39	-5.45	-6.4	-7.13	-7.63	-7.94	-8.17	-8.41	-8.75	-9.24	-9.85	-10.46	-10.78	-10.49	-9.54	-8.2	-6.79
-55	-6.11	-5.98	-5.73	-5.32	-4.77	-4.11	-3.39	-2.64	-1.9	-1.23	-0.65	-0.21	0.07	0.15	0.02	-0.34	-0.92	-1.73	-2.75	-3.94	-5.24	-6.59	-7.87	-9	-9.94	-10.68	-11.3	-11.8	-12.3	-12.77	-12.97	-12.68	-11.77	-10.43	-8.95	-7.55
-50	-5.34	-5.13	-4.93	-4.7	-4.42	-4.05	-3.57	-2.97	-2.3	-1.6	-0.96	-0.41	-0.02	0.19	0.19	-0.03	-0.48	-1.17	-2.07	-3.17	-4.44	-5.84	-7.3	-8.77	-10.22	-11.62	-13	-14.4	-15.8	-16.94	-17.39	-16.58	-14.81	-12.77	-10.88	-9.28
-45	-4.84	-4.6	-4.4	-4.25	-4.09	-3.89	-3.58	-3.13	-2.56	-1.92	-1.26	-0.68	-0.22	0.08	0.19	0.1	-0.21	-0.73	-1.45	-2.37	-3.45	-4.67	-5.98	-7.35	-8.74	-10.18	-11.7	-13.4	-15.4	-17.99	-21.22	-23.29	-20.78	-17.14	-14.27	-12.15
-40	-4.59	-4.31	-4.1	-3.95	-3.83	-3.69	-3.47	-3.14	-2.68	-2.13	-1.54	-0.98	-0.5	-0.16	0.03	0.03	-0.14	-0.51	-1.06	-1.78	-2.65	-3.66	-4.75	-5.91	-7.11	-8.33	-9.61	-11	-12.7	-14.7	-17.5	-21.74	-28.05	-25.36	-19.83	-16.47
-35	-4.52	-4.2	-3.96	-3.78	-3.64	-3.49	-3.31	-3.05	-2.69	-2.26	-1.77	-1.29	-0.86	-0.53	-0.32	-0.26	-0.36	-0.61	-1.03	-1.6	-2.31	-3.14	-4.07	-5.07	-6.12	-7.2	-8.33	-9.54	-10.9	-12.56	-14.65	-17.51	-21.82	-29.33	-29.28	-22.66
-30	-4.58	-4.22	-3.93	-3.7	-3.51	-3.34	-3.16	-2.94	-2.67	-2.35	-2	-1.64	-1.31	-1.05	-0.88	-0.83	-0.89	-1.1	-1.44	-1.92	-2.52	-3.25	-4.07	-4.98	-5.94	-6.97	-8.04	-9.2	-10.5	-11.99	-13.82	-16.16	-19.36	-24.2	-33.02	-30.77
-25	-4.72	-4.33	-4	-3.73	-3.49	-3.29	-3.1	-2.91	-2.71	-2.5	-2.28	-2.06	-1.87	-1.73	-1.65	-1.66	-1.77	-1.98	-2.32	-2.76	-3.33	-4	-4.78	-5.64	-6.59	-7.61	-8.71	-9.9	-11.2	-12.74	-14.54	-16.77	-19.69	-23.9	-31.53	-42.1
-20	-4.97	-4.55	-4.19	-3.88	-3.62	-3.4	-3.22	-3.05	-2.91	-2.78	-2.68	-2.6	-2.55	-2.55	-2.6	-2.72	-2.91	-3.2	-3.58	-4.06	-4.64	-5.32	-6.11	-6.99	-7.97	-9.04	-10.2	-11.5	-13	-14.58	-16.45	-18.68	-21.39	-24.69	-28.05	-28.35
-15	-5.37	-4.94	-4.57	-4.24	-3.97	-3.75	-3.57	-3.43	-3.34	-3.28	-3.26	-3.29	-3.36	-3.48	-3.66	-3.9	-4.2	-4.59	-5.06	-5.61	-6.26	-7	-7.85	-8.8	-9.85	-11.02	-12.3	-13.7	-15.2	-16.75	-18.29	-19.66	-20.6	-20.94	-20.66	-19.95
-10	-6.03	-5.59	-5.21	-4.88	-4.61	-4.39	-4.22	-4.11	-4.05	-4.04	-4.08	-4.17	-4.32	-4.53	-4.79	-5.12	-5.52	-5.99	-6.54	-7.17	-7.89	-8.7	-9.61	-10.61	-11.71	-12.89	-14.1	-15.3	-16.4	-17.08	-17.39	-17.27	-16.84	-16.24	-15.57	-14.89
-5	-7.07	-6.61	-6.22	-5.88	-5.61	-5.39	-5.23	-5.13	-5.08	-5.09	-5.16	-5.28	-5.46	-5.69	-5.99	-6.36	-6.79	-7.28	-7.85	-8.5	-9.22	-10.01	-10.88	-11.8	-12.75	-13.67	-14.5	-15.1	-15.3	-15.2	-14.8	-14.21	-13.52	-12.82	-12.14	-11.5
0	-8.63	-8.15	-7.73	-7.37	-7.07	-6.83	-6.64	-6.51	-6.44	-6.42	-6.45	-6.54	-6.68	-6.88	-7.13	-7.44	-7.82	-8.25	-8.75	-9.31	-9.93	-10.6	-11.3	-12.02	-12.69	-13.25	-13.6	-13.7	-13.6	-13.14	-12.55	-11.86	-11.14	-10.44	-9.78	-9.18
5	-10.92	-10.39	-9.91	-9.47	-9.09	-8.74	-8.45	-8.19	-7.98	-7.81	-7.7	-7.63	-7.63	-7.68	-7.79	-7.97	-8.21	-8.53	-8.91	-9.36	-9.88	-10.45	-11.04	-11.62	-12.13	-12.5	-12.6	-12.5	-12.2	-11.61	-10.94	-10.22	-9.5	-8.81	-8.17	-7.59
10	-14.22	-13.57	-12.92	-12.27	-11.62	-10.99	-10.37	-9.78	-9.24	-8.76	-8.35	-8.02	-7.78	-7.64	-7.59	-7.64	-7.8	-8.06	-8.42	-8.88	-9.41	-10.02	-10.64	-11.24	-11.73	-12.02	-12	-11.8	-11.3	-10.61	-9.87	-9.13	-8.4	-7.72	-7.1	-6.54
15	-18.99	-17.87	-16.65	-15.38	-14.09	-12.84	-11.66	-10.58	-9.63	-8.81	-8.13	-7.6	-7.21	-6.96	-6.86	-6.91	-7.09	-7.41	-7.86	-8.44	-9.12	-9.87	-10.65	-11.35	-11.86	-12.06	-11.9	-11.5	-10.8	-10.01	-9.21	-8.44	-7.71	-7.03	-6.42	-5.86
20	-25.39	-22.29	-19.65	-17.36	-15.34	-13.54	-11.94	-10.55	-9.37	-8.38	-7.59	-6.99	-6.57	-6.33	-6.27	-6.38	-6.66	-7.11	-7.73	-8.5	-9.41	-10.4	-11.38	-12.19	-12.64	-12.61	-12.2	-11.4	-10.5	-9.66	-8.8	-8	-7.27	-6.59	-5.99	-5.45
25	-28.11	-23.25	-20.17	-17.77	-15.69	-13.81	-12.13	-10.63	-9.36	-8.29	-7.45	-6.82	-6.4	-6.19	-6.19	-6.39	-6.8	-7.43	-8.26	-9.3	-10.51	-11.81	-13	-13.76	-13.84	-13.27	-12.3	-11.3	-10.3	-9.36	-8.49	-7.69	-6.97	-6.3	-5.71	-5.18
30	-24.43	-21.2	-19.19	-17.68	-16.27	-14.79	-13.24	-11.71	-10.32	-9.13	-8.18	-7.47	-7.01	-6.79	-6.82	-7.1	-7.64	-8.45	-9.54	-10.92	-12.53	-14.16	-15.3	-15.38	-14.5	-13.24	-12	-10.9	-9.87	-8.98	-8.17	-7.42	-6.73	-6.09	-5.51	-5.01
35	-19.24	-17.34	-16.35	-15.95	-15.9	-15.84	-15.36	-14.3	-12.89	-11.5	-10.2	-9.3	-8.66	-8.32	-8.3	-8.6	-9.23	-10.22	-11.61	-13.4	-15.41	-16.95	-16.89	-15.45	-13.74	-12.26	-11.1	-10.1	-9.29	-8.56	-7.86	-7.19	-6.55	-5.94	-5.4	-4.92
40	-14.36	-13.07	-12.4	-12.29	-12.69	-13.58	-14.87	-16.22	-16.8	-16	-14.5	-13	-11.9	-11.2	-10.9	-11.09	-11.72	-12.85	-14.52	-16.68	-18.55	-18.32	-16.24	-14.05	-12.31	-11.04	-10.1	-9.4	-8.8	-8.24	-7.67	-7.07	-6.47	-5.91	-5.39	-4.95
45	-10.62	-9.57	-8.96	-8.76	-8.97	-9.6	-10.69	-12.3	-14.51	-17.3	-19.8	-19.9	-18.2	-16.5	-15.5	-15.18	-15.55	-16.65	-18.48	-20.47	-20.26	-17.54	-14.75	-12.62	-11.11	-10.09	-9.43	-8.98	-8.61	-8.21	-7.72	-7.15	-6.57	-6.03	-5.55	-5.16
50	-8	-7.05	-6.42	-6.12	-6.14	-6.5	-7.19	-8.25	-9.71	-11.7	-14.2	-17.6	-22	-26.3	-25.7	-23.41	-22.49	-22.92	-24.1	-23.42	-19.83	-16.23	-13.48	-11.52	-10.21	-9.42	-9.03	-8.89	-8.79	-8.56	-8.11	-7.51	-6.88	-6.33	-5.9	-5.58
55	-6.35	-5.4	-4.74	-4.36	-4.27	-4.47	-4.95	-5.71	-6.74	-8.08	-9.73	-11.8	-14.3	-17.6	-22	-28.49	-36.71	-32.24	-27.14	-22.42	-18.22	-14.84	-12.3	-10.49	-9.34	-8.77	-8.68	-8.94	-9.28	-9.34	-8.91	-8.15	-7.37	-6.77	-6.4	-6.21
60	-5.53	-4.52	-3.79	-3.35	-3.2	-3.33	-3.71	-4.34	-5.17	-6.19	-7.41	-8.82	-10.5	-12.5	-15	-17.82	-20.7	-22.44	-21.87	-19.42	-16.32	-13.43	-11.1	-9.41	-8.36	-7.95	-8.15	-8.87	-9.85	-10.47	-10.11	-9.04	-7.95	-7.22	-6.91	-6.95
65	-5.44	-4.28	-3.46	-2.96	-2.79	-2.9	-3.28	-3.87	-4.62	-5.47	-6.4	-7.41	-8.58	-10	-11.7	-13.8	-16.02	-17.84	-18.41	-17.27	-14.96	-12.4	-10.18	-8.51	-7.48	-7.13	-7.47	-8.55	-10.3	-11.88	-11.76	-10.08	-8.44	-7.45	-7.17	-7.49
70	-5.98	-4.6	-3.64	-3.1	-2.92	-3.08	-3.51	-4.15	-4.9	-5.64	-6.33	-6.99	-7.73	-8.7	-10	-11.71	-13.71	-15.66	-16.84	-16.49	-14.63	-12.18	-9.89	-8.13	-7	-6.58	-6.94	-8.2	-10.5	-13.55	-14	-11.11	-8.64	-7.27	-6.9	-7.41
75	-7.06	-5.36	-4.25	-3.66	-3.51	-3.76	-4.32	-5.1	-5.92	-6.58	-7	-7.24	-7.54	-8.12	-9.11	-10.6	-12.55	-14.76	-16.62	-17.09	-15.59	-13.02	-10.47	-8.44	-7.1	-6.52	-6.79	-8.09	-10.8	-15.64	-17.21	-11.87	-8.41	-6.62	-6.05	-6.51
80	-8.61	-6.5	-5.22	-4.59	-4.5	-4.89	-5.67	-6.68	-7.66	-8.21	-8.2	-7.89	-7.7	-7.91	-8.65	-10.01	-12.01	-14.59	-17.33	-19.05	-18.06	-15.09	-11.99	-9.5	-7.81	-6.97	-7.06	-8.3	-11.3	-18.14	-21.45	-11.9	-7.75	-5.66	-4.85	-5.1
85	-10.53	-7.93	-6.47	-5.83	-5.85	-6.46	-7.56	-8.97	-10.15	-10.4	-9.54	-8.51	-7.83	-7.73	-8.28	-9.56	-11.64	-14.6	-18.38	-22.06	-22.12	-18.3	-14.28	-11.14	-8.99	-7.81	-7.66	-8.73	-11.7	-19.37	-21.35	-11.14	-6.88	-4.64	-3.65	-3.66
90	-12.56	-9.48	-7.89	-7.3	-7.51	-8.45	-10.05	-12.04	-13.23	-12.3	-10.3	-8.6	-7.59	-7.29	-7.7	-8.89	-10.96	-14.1	-18.59	-24.36	-26.03	-21.31	-16.6	-12.91	-10.33	-8.81	-8.38	-9.21	-11.8	-17.76	-17.52	-10.15	-6.12	-3.84	-2.72	-2.53
95	-14.05	-10.88	-9.31	-8.87	-9.38	-10.8	-13.14	-15.78	-15.62	-12.7	-9.91	-8.03	-6.93	-6.53	-6.83	-7.86	-9.74	-12.64	-16.88	-22.68	-26.01	-22.41	-18.1	-14.36	-11.54	-9.77	-9.09	-9.63	-11.8	-15.96	-15.34	-9.59	-5.77	-3.46	-2.23	-1.87
100	-14.48	-11.89	-10.6	-10.45	-11.37	-13.45	-16.81	-19.07	-15.68	-11.8	-9.08	-7.27	-6.16	-5.7	-5.85	-6.66	-8.2	-10.57	-13.94	-18.36	-22.62	-22.55	-19.15	-15.53	-12.61	-10.67	-9.8	-10.1	-11.9	-15.35	-15.06	-9.85	-6.03	-3.63	-2.27	-1.76
105	-14.19	-12.57	-11.8	-12.12	-13.61	-16.62	-21.33	-20.28	-14.87	-11.1	-8.57	-6.81	-5.67	-5.1	-5.07	-5.62	-6.76	-8.56	-11.02	-14.07	-17.22	-19.11	-18.33	-15.79	-13.2	-11.31	-10.4	-10.6	-12.3	-15.85	-16.79	-11.22	-7.03	-4.4	-2.86	-2.18
110	-13.69	-13.16	-13.18	-14.19	-16.59	-21.41	-28.48	-20.15	-14.62	-11.2	-8.71	-6.94	-5.71	-4.98	-4.74	-4.99	-5.75	-7.01	-8.69	-10.63	-12.46	-13.69	-13.91	-13.14	-11.87	-10.71	-10.1	-10.5	-12.1	-16.12	-21.17	-14.08	-8.85	-5.77	-3.95	-3.04
115	-13.13	-13.83	-15.04	-17.34	-21.76	-34.28	-26.4	-18.76	-14.69	-11.8	-9.59	-7.8	-6.43	-5.49	-5	-4.94	-5.31	-6.05	-7.04	-8.1	-8.97	-9.46	-9.55	-9.31	-8.91	-8.56	-8.53	-9.13	-10.8	-14.34	-23.51	-19.45	-11.55	-7.65	-5.4	-4.16
120	-12.47	-14.52	-17.68	-23.47	-37.87	-23.81	-18.54	-15.79	-14.01	-12.5	-11	-9.4	-7.94	-6.78	-5.98	-5.58	-5.52	-5.73	-6.08	-6.4	-6.57	-6.56	-6.43	-6.25	-6.13	-6.16	-6.49	-7.29	-8.87	-11.81	-18	-32.47	-14.94	-9.74	-6.92	-5.28
125	-11.67	-14.79	-20.1	-28.65	-21.16	-16.21	-13.7	-12.45	-12.02	-12	-12	-11.5	-10.4	-9.06	-7.91	-7.05	-6.47	-6.08	-5.77	-5.46	-5.11	-4.74	-4.43	-4.23	-4.19	-4.38	-4.89	-5.83	-7.41	-10.04	-14.8	-27.16	-18.07	-11.47	-8.11	-6.13
130	-10.68	-13.91	-17.83	-17.96	-14.5	-11.83	-10.25	-9.51	-9.48	-10.1	-11.1	-12.4	-13.2	-12.7	-11.3	-9.72	-8.34	-7.17	-6.15	-5.24	-4.47	-3.83	-3.38	-3.14	-3.13	-3.41	-4.02	-5.08	-6.74	-9.33	-13.69	-22.22	-18.68	-12.07	-8.57	-6.45
135	-9.54	-12.04	-13.71	-12.77	-10.62	-8.82	-7.67	-7.13	-7.14	-7.71	-8.86	-10.7	-13.2	-16.3	-17.2	-14.64	-11.59	-9.14	-7.23	-5.74	-4.58	-3.72	-3.15	-2.86	-2.87	-3.2	-3.91	-5.08	-6.87	-9.59	-13.9	-19.88	-16.35	-11.27	-8.16	-6.17
140	-8.39	-10.02	-10.6	-9.63	-8.08	-6.72	-5.79	-5.31	-5.29	-5.7	-6.59	-8.03	-10.2	-13.7	-19.9	-28.92	-17.4	-12.19	-9.05	-6.91	-5.38	-4.31	-3.63	-3.3	-3.31	-3.68	-4.47	-5.75	-7.67	-10.48	-14.36	-16.56	-13.2	-9.65	-7.16	-5.45
145	-7.32	-8.3	-8.42	-7.61	-6.41	-5.32	-4.53	-4.09	-4	-4.27	-4.91	-5.98	-7.56	-9.87	-13.4	-19.22	-23.05	-15.85	-11.41	-8.62	-6.74	-5.47	-4.68	-4.29	-4.29	-4.68	-5.5	-6.81	-8.69	-11.15	-13.36	-12.98	-10.45	-7.97	-6.04	-4.62
150	-6.34	-6.9	-6.87	-6.25	-5.37	-4.51	-3.84	-3.43	-3.3	-3.47	-3.95	-4.75	-5.94	-7.61	-9.9	-13	-16.52	-16.74	-13.45	-10.51	-8.41	-6.99	-6.08	-5.62	-5.56	-5.89	-6.61	-7.73	-9.18	-10.59	-11.12	-10.16	-8.4	-6.63	-5.14	-3.97
155	-5.43	-5.73	-5.69	-5.3	-4.72	-4.11	-3.61	-3.29	-3.18	-3.31	-3.69	-4.35	-5.32	-6.65	-8.4	-10.64	-13.19	-14.93	-14.14	-11.98	-9.99	-8.51	-7.52	-6.94	-6.75	-6.89	-7.32	-7.98	-8.69	-9.14	-8.99	-8.18	-6.99	-5.74	-4.6	-3.64
160	-4.59	-4.75	-4.75	-4.58	-4.31	-4	-3.73	-3.57	-3.56	-3.74	-4.12	-4.73	-5.6	-6.77	-8.28	-10.14	-12.25	-14	-14.23	-12.92	-11.22	-9.77	-8.69	-7.97	-7.56	-7.4	-7.44	-7.58	-7.7	-7.67	-7.38	-6.8	-6.04	-5.19	-4.37	-3.62
165	-3.9	-3.99	-4.04	-4.05	-4.04	-4.03	-4.05	-4.13	-4.32	-4.65	-5.13	-5.81	-6.71	-7.87	-9.33	-11.09	-13.05	-14.67	-15.01	-13.91	-12.29	-10.79	-9.59	-8.68	-8.02	-7.55	-7.23	-6.99	-6.78	-6.53	-6.21	-5.81	-5.33	-4.8	-4.27	-3.76
170	-3.44	-3.5	-3.61	-3.74	-3.92	-4.15	-4.43	-4.78	-5.23	-5.79	-6.49	-7.37	-8.45	-9.79	-11.4	-13.43	-15.63	-17.36	-17.29	-15.6	-13.58	-11.82	-10.39	-9.25	-8.34	-7.61	-7.02	-6.53	-6.11	-5.73	-5.38	-5.04	-4.71	-4.39	-4.08	-3.8
175	-3.26	-3.33	-3.46	-3.66	-3.94	-4.29	-4.72	-5.25	-5.88	-6.64	-7.54	-8.63	-9.96	-11.6	-13.7	-16.38	-20.02	-23.83	-22.53	-18.54	-15.4	-13.07	-11.28	-9.86	-8.71	-7.75	-6.96	-6.29	-5.72	-5.24	-4.83	-4.48	-4.19	-3.96	-3.77	-3.62
180	-3.35	-3.4	-3.51	-3.69	-3.94	-4.26	-4.67	-5.17	-5.77	-6.49	-7.34	-8.36	-9.59	-11.1	-13	-15.54	-19.23	-25.77	-35.32	-23.05	-17.83	-14.62	-12.32	-10.56	-9.15	-8	-7.04	-6.24	-5.56	-5	-4.53	-4.15	-3.85	-3.62	-3.46	-3.37

EV - 2437 MHz

Azimuth (Phi°)

Elevation (Theta°)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
-180	-35.3	-23.1	-17.8	-14.6	-12.3	-10.6	-9.15	-8	-7.04	-6.24	-5.56	-5	-4.53	-4.15	-3.85	-3.62	-3.46	-3.37	-3.35	-3.4	-3.51	-3.69	-3.94	-4.26	-4.67	-5.17	-5.77	-6.49	-7.34	-8.36	-9.59	-11.1	-13	-15.5	-19.2	-25.8
-175	-23.6	-18.5	-15.2	-12.9	-11	-9.47	-8.19	-7.09	-6.15	-5.32	-4.61	-3.99	-3.46	-3.01	-2.64	-2.33	-2.1	-1.93	-1.83	-1.8	-1.84	-1.94	-2.13	-2.38	-2.72	-3.15	-3.67	-4.29	-5.04	-5.92	-6.97	-8.23	-9.75	-11.7	-14.1	-17.7
-170	-18.6	-15.9	-13.6	-11.8	-10.2	-8.76	-7.54	-6.45	-5.49	-4.63	-3.86	-3.19	-2.59	-2.06	-1.61	-1.22	-0.9	-0.64	-0.46	-0.34	-0.29	-0.31	-0.41	-0.59	-0.85	-1.21	-1.66	-2.22	-2.89	-3.69	-4.64	-5.76	-7.09	-8.68	-10.6	-13.2
-165	-14.4	-13.1	-11.7	-10.4	-9.13	-7.96	-6.88	-5.89	-4.98	-4.15	-3.39	-2.7	-2.07	-1.5	-0.99	-0.54	-0.14	0.2	0.48	0.7	0.85	0.93	0.93	0.86	0.69	0.43	0.07	-0.4	-0.99	-1.71	-2.58	-3.62	-4.84	-6.3	-8.05	-10.2
-160	-11	-10.3	-9.46	-8.58	-7.68	-6.79	-5.92	-5.1	-4.33	-3.6	-2.92	-2.28	-1.69	-1.13	-0.62	-0.14	0.29	0.68	1.02	1.31	1.54	1.71	1.81	1.84	1.78	1.64	1.39	1.03	0.54	-0.08	-0.86	-1.81	-2.97	-4.37	-6.07	-8.16
-155	-8.73	-8.34	-7.77	-7.1	-6.36	-5.6	-4.85	-4.12	-3.44	-2.8	-2.21	-1.65	-1.13	-0.65	-0.2	0.23	0.62	0.98	1.31	1.6	1.86	2.07	2.23	2.33	2.37	2.33	2.2	1.96	1.61	1.11	0.45	-0.39	-1.47	-2.81	-4.5	-6.62
-150	-7.82	-7.65	-7.19	-6.51	-5.71	-4.87	-4.06	-3.29	-2.59	-1.96	-1.4	-0.89	-0.44	-0.03	0.34	0.68	0.98	1.26	1.51	1.73	1.93	2.11	2.26	2.38	2.47	2.51	2.49	2.39	2.18	1.84	1.34	0.63	-0.32	-1.57	-3.22	-5.39
-145	-8.29	-8.43	-7.98	-7.07	-5.98	-4.87	-3.84	-2.93	-2.14	-1.46	-0.87	-0.37	0.07	0.44	0.77	1.05	1.29	1.49	1.66	1.8	1.9	1.99	2.06	2.12	2.2	2.27	2.33	2.35	2.3	2.14	1.82	1.29	0.5	-0.63	-2.19	-4.35
-140	-10.3	-11.2	-10.5	-8.88	-7.13	-5.58	-4.27	-3.2	-2.3	-1.56	-0.94	-0.42	0.03	0.42	0.75	1.05	1.3	1.51	1.68	1.79	1.85	1.87	1.84	1.8	1.78	1.8	1.86	1.96	2.05	2.07	1.95	1.62	1.01	0.04	-1.41	-3.5
-135	-14	-17.7	-15.3	-11.4	-8.67	-6.7	-5.23	-4.1	-3.19	-2.44	-1.81	-1.27	-0.79	-0.35	0.06	0.44	0.8	1.13	1.41	1.62	1.75	1.79	1.75	1.64	1.5	1.38	1.35	1.43	1.58	1.74	1.8	1.66	1.24	0.43	-0.89	-2.89
-130	-17.3	-33.5	-17.1	-12	-9.26	-7.52	-6.32	-5.43	-4.72	-4.12	-3.58	-3.06	-2.54	-2.01	-1.46	-0.89	-0.32	0.23	0.73	1.15	1.48	1.67	1.73	1.66	1.48	1.25	1.06	1	1.09	1.28	1.46	1.48	1.21	0.55	-0.64	-2.55
-125	-16.4	-17.1	-12.9	-10.1	-8.43	-7.46	-6.93	-6.64	-6.45	-6.26	-6	-5.62	-5.1	-4.45	-3.7	-2.87	-2.02	-1.17	-0.37	0.34	0.93	1.37	1.64	1.72	1.63	1.4	1.1	0.85	0.76	0.86	1.03	1.13	0.98	0.43	-0.66	-2.46
-120	-15.9	-13.7	-10.6	-8.54	-7.44	-6.95	-6.87	-7.04	-7.32	-7.56	-7.65	-7.51	-7.12	-6.51	-5.71	-4.79	-3.79	-2.77	-1.76	-0.8	0.06	0.77	1.31	1.62	1.72	1.6	1.32	0.98	0.7	0.59	0.64	0.71	0.6	0.14	-0.84	-2.51
-115	-18	-13.1	-9.82	-7.99	-7.05	-6.67	-6.63	-6.76	-6.92	-7.01	-6.98	-6.82	-6.55	-6.2	-5.77	-5.27	-4.67	-3.94	-3.07	-2.1	-1.1	-0.16	0.64	1.22	1.57	1.66	1.51	1.2	0.82	0.52	0.38	0.32	0.18	-0.23	-1.09	-2.55
-110	-21.2	-13.2	-9.88	-8.17	-7.3	-6.88	-6.67	-6.49	-6.25	-5.96	-5.63	-5.31	-5.03	-4.8	-4.62	-4.5	-4.4	-4.25	-3.92	-3.32	-2.45	-1.42	-0.41	0.46	1.09	1.45	1.52	1.35	1.01	0.61	0.29	0.06	-0.16	-0.56	-1.3	-2.53
-105	-17	-12.4	-9.9	-8.61	-7.93	-7.52	-7.12	-6.63	-6.05	-5.46	-4.93	-4.5	-4.17	-3.95	-3.83	-3.84	-3.95	-4.15	-4.32	-4.28	-3.82	-2.93	-1.79	-0.65	0.29	0.95	1.3	1.35	1.14	0.77	0.34	-0.04	-0.39	-0.82	-1.48	-2.5
-100	-12.9	-10.8	-9.48	-8.82	-8.54	-8.3	-7.87	-7.2	-6.4	-5.64	-4.99	-4.48	-4.12	-3.88	-3.77	-3.79	-3.96	-4.27	-4.69	-5.06	-5.09	-4.5	-3.35	-1.99	-0.74	0.24	0.88	1.17	1.15	0.88	0.45	-0.04	-0.53	-1.04	-1.7	-2.62
-95	-11	-9.69	-8.97	-8.74	-8.77	-8.78	-8.5	-7.86	-7.02	-6.18	-5.47	-4.93	-4.55	-4.33	-4.24	-4.29	-4.47	-4.81	-5.28	-5.8	-6.12	-5.83	-4.78	-3.3	-1.82	-0.58	0.31	0.83	1	0.86	0.48	-0.05	-0.65	-1.28	-2.01	-2.96
-90	-10.6	-9.46	-8.86	-8.65	-8.67	-8.71	-8.51	-7.99	-7.24	-6.45	-5.75	-5.22	-4.87	-4.7	-4.68	-4.79	-5.02	-5.36	-5.8	-6.27	-6.59	-6.45	-5.62	-4.26	-2.76	-1.41	-0.36	0.32	0.65	0.64	0.34	-0.18	-0.84	-1.59	-2.45	-3.54
-85	-11.3	-10.2	-9.4	-8.88	-8.54	-8.24	-7.85	-7.29	-6.6	-5.88	-5.25	-4.78	-4.48	-4.36	-4.39	-4.55	-4.79	-5.11	-5.47	-5.84	-6.11	-6.11	-5.64	-4.68	-3.44	-2.19	-1.13	-0.36	0.07	0.17	-0.04	-0.51	-1.19	-2.01	-3.01	-4.28
-80	-13.2	-12	-10.8	-9.6	-8.62	-7.75	-6.95	-6.17	-5.41	-4.71	-4.14	-3.72	-3.46	-3.36	-3.38	-3.5	-3.69	-3.94	-4.24	-4.58	-4.9	-5.11	-5.05	-4.62	-3.83	-2.87	-1.94	-1.19	-0.71	-0.54	-0.68	-1.09	-1.73	-2.6	-3.69	-5.15
-75	-16.1	-15.4	-13.2	-10.9	-9	-7.47	-6.22	-5.16	-4.28	-3.56	-3.01	-2.62	-2.38	-2.28	-2.27	-2.33	-2.46	-2.66	-2.92	-3.26	-3.65	-4.03	-4.29	-4.29	-3.98	-3.39	-2.7	-2.07	-1.64	-1.45	-1.54	-1.91	-2.53	-3.41	-4.58	-6.19
-70	-18.7	-22.5	-17.3	-12.8	-9.7	-7.49	-5.83	-4.53	-3.53	-2.76	-2.21	-1.84	-1.63	-1.53	-1.51	-1.56	-1.65	-1.81	-2.04	-2.37	-2.77	-3.22	-3.64	-3.91	-3.94	-3.72	-3.33	-2.92	-2.61	-2.49	-2.61	-2.98	-3.62	-4.54	-5.82	-7.61
-65	-16.9	-27.1	-22.7	-14.7	-10.6	-7.83	-5.84	-4.35	-3.24	-2.43	-1.86	-1.51	-1.32	-1.25	-1.25	-1.31	-1.39	-1.53	-1.73	-2	-2.37	-2.79	-3.22	-3.59	-3.83	-3.89	-3.81	-3.67	-3.58	-3.62	-3.85	-4.31	-5.05	-6.11	-7.59	-9.72
-60	-13.1	-16.6	-18.7	-15.4	-11.4	-8.45	-6.25	-4.61	-3.4	-2.54	-1.96	-1.62	-1.46	-1.42	-1.47	-1.55	-1.66	-1.77	-1.92	-2.12	-2.39	-2.72	-3.09	-3.45	-3.77	-4.02	-4.19	-4.33	-4.5	-4.77	-5.2	-5.85	-6.79	-8.13	-10	-12.9
-55	-10.2	-12.1	-14	-14.2	-12	-9.28	-7.03	-5.28	-3.99	-3.07	-2.47	-2.13	-2	-2.01	-2.12	-2.25	-2.38	-2.48	-2.58	-2.68	-2.82	-3.02	-3.27	-3.57	-3.9	-4.24	-4.58	-4.93	-5.33	-5.82	-6.46	-7.32	-8.51	-10.2	-12.5	-16.2
-50	-8.18	-9.58	-11.3	-12.5	-12.2	-10.3	-8.13	-6.33	-4.96	-3.99	-3.36	-3.02	-2.91	-2.98	-3.16	-3.38	-3.56	-3.67	-3.71	-3.7	-3.69	-3.73	-3.84	-4.02	-4.28	-4.61	-4.99	-5.42	-5.91	-6.48	-7.19	-8.1	-9.29	-10.8	-12.8	-15.2
-45	-7.03	-8.23	-9.77	-11.4	-12.1	-11.3	-9.49	-7.72	-6.3	-5.28	-4.62	-4.28	-4.21	-4.36	-4.65	-4.99	-5.27	-5.42	-5.4	-5.26	-5.05	-4.87	-4.76	-4.75	-4.85	-5.03	-5.3	-5.64	-6.04	-6.52	-7.1	-7.82	-8.71	-9.79	-11	-12.2
-40	-6.58	-7.68	-9.12	-10.8	-12.1	-12.2	-11	-9.43	-8.03	-6.99	-6.33	-6.02	-6.01	-6.28	-6.74	-7.28	-7.75	-7.96	-7.83	-7.42	-6.87	-6.34	-5.89	-5.58	-5.4	-5.35	-5.41	-5.56	-5.79	-6.12	-6.55	-7.09	-7.77	-8.6	-9.54	-10.5
-35	-6.67	-7.71	-9.04	-10.6	-12.1	-13	-12.6	-11.5	-10.2	-9.27	-8.67	-8.44	-8.58	-9.05	-9.8	-10.7	-11.5	-11.6	-11	-9.95	-8.77	-7.72	-6.88	-6.24	-5.81	-5.54	-5.43	-5.44	-5.58	-5.83	-6.2	-6.7	-7.34	-8.13	-9.08	-10.2
-30	-7.11	-8.06	-9.26	-10.7	-12.1	-13.4	-13.9	-13.7	-13	-12.4	-12	-12	-12.5	-13.4	-14.8	-16.4	-17.2	-16.1	-13.9	-11.7	-9.92	-8.52	-7.46	-6.68	-6.14	-5.81	-5.64	-5.64	-5.77	-6.04	-6.46	-7.01	-7.73	-8.63	-9.72	-11
-25	-7.62	-8.47	-9.49	-10.7	-12	-13.4	-14.6	-15.6	-16.2	-16.6	-17.1	-18	-19.4	-21.9	-25.1	-24.7	-20.3	-16.5	-13.7	-11.5	-9.92	-8.68	-7.75	-7.08	-6.63	-6.36	-6.27	-6.34	-6.56	-6.92	-7.45	-8.13	-9.01	-10.1	-11.4	-13
-20	-7.95	-8.69	-9.56	-10.6	-11.7	-13	-14.5	-16.1	-18	-20.1	-22.6	-25.5	-26.9	-24.5	-21	-17.9	-15.4	-13.4	-11.8	-10.5	-9.43	-8.61	-7.99	-7.55	-7.29	-7.18	-7.23	-7.43	-7.77	-8.27	-8.93	-9.76	-10.8	-12.1	-13.6	-15.4
-15	-8.02	-8.69	-9.46	-10.4	-11.4	-12.5	-13.8	-15.3	-16.8	-18.3	-19.2	-19.2	-18.1	-16.6	-15.1	-13.6	-12.4	-11.3	-10.3	-9.56	-8.94	-8.46	-8.12	-7.9	-7.81	-7.85	-8.01	-8.29	-8.69	-9.22	-9.88	-10.7	-11.6	-12.6	-13.7	-14.7
-10	-7.99	-8.62	-9.34	-10.2	-11.1	-12.1	-13.1	-14.2	-15.1	-15.7	-15.8	-15.4	-14.6	-13.6	-12.6	-11.7	-10.8	-10.1	-9.43	-8.91	-8.49	-8.17	-7.95	-7.82	-7.78	-7.83	-7.96	-8.18	-8.46	-8.83	-9.26	-9.74	-10.3	-10.8	-11.4	-11.9
-5	-8.14	-8.74	-9.42	-10.2	-11	-11.9	-12.7	-13.5	-14.1	-14.3	-14.2	-13.8	-13.1	-12.3	-11.5	-10.7	-10	-9.42	-8.89	-8.43	-8.05	-7.75	-7.51	-7.35	-7.25	-7.21	-7.23	-7.3	-7.43	-7.61	-7.84	-8.11	-8.43	-8.78	-9.18	-9.61
0	-8.75	-9.31	-9.93	-10.6	-11.3	-12	-12.7	-13.3	-13.6	-13.7	-13.6	-13.1	-12.6	-11.9	-11.1	-10.4	-9.78	-9.18	-8.63	-8.15	-7.73	-7.37	-7.07	-6.83	-6.64	-6.51	-6.44	-6.42	-6.45	-6.54	-6.68	-6.88	-7.13	-7.44	-7.82	-8.25
5	-10.1	-10.6	-11.1	-11.6	-12.1	-12.6	-13.1	-13.5	-13.7	-13.8	-13.7	-13.3	-12.8	-12.1	-11.4	-10.7	-9.98	-9.3	-8.67	-8.1	-7.59	-7.15	-6.78	-6.47	-6.22	-6.04	-5.92	-5.86	-5.86	-5.92	-6.04	-6.22	-6.47	-6.78	-7.17	-7.62
10	-12.4	-12.8	-13.1	-13.4	-13.6	-13.9	-14.1	-14.3	-14.5	-14.7	-14.7	-14.5	-14	-13.3	-12.4	-11.5	-10.5	-9.63	-8.82	-8.1	-7.48	-6.96	-6.53	-6.18	-5.91	-5.72	-5.61	-5.56	-5.57	-5.65	-5.79	-5.99	-6.25	-6.58	-6.97	-7.44
15	-15.6	-16.2	-16.3	-16.2	-16	-15.9	-15.9	-16.1	-16.4	-16.9	-17.4	-17.3	-16.6	-15.3	-13.8	-12.3	-10.9	-9.67	-8.65	-7.8	-7.1	-6.54	-6.11	-5.79	-5.56	-5.41	-5.35	-5.34	-5.4	-5.51	-5.68	-5.91	-6.19	-6.54	-6.95	-7.44
20	-17.3	-19.1	-20.1	-20.1	-19.5	-18.9	-18.7	-19.1	-20.1	-21.8	-23.7	-23.5	-20.5	-17.2	-14.4	-12.2	-10.5	-9.1	-8	-7.13	-6.45	-5.94	-5.57	-5.32	-5.17	-5.1	-5.09	-5.14	-5.23	-5.36	-5.54	-5.76	-6.04	-6.38	-6.8	-7.32
25	-14.9	-17.1	-19.2	-20.6	-21	-20.8	-20.8	-21.5	-23.2	-27	-34.1	-27	-20.5	-16.4	-13.5	-11.4	-9.65	-8.31	-7.27	-6.47	-5.87	-5.44	-5.15	-4.99	-4.91	-4.91	-4.95	-5.02	-5.11	-5.21	-5.33	-5.49	-5.7	-6	-6.41	-6.94
30	-12.5	-14.1	-15.7	-16.9	-17.5	-17.7	-17.8	-18	-18.6	-19.3	-19.7	-18.9	-16.9	-14.6	-12.4	-10.5	-9	-7.76	-6.79	-6.04	-5.5	-5.13	-4.91	-4.81	-4.81	-4.88	-4.97	-5.06	-5.12	-5.16	-5.18	-5.22	-5.32	-5.52	-5.87	-6.39
35	-11.3	-12.4	-13.4	-13.9	-14.2	-14.1	-14	-14	-14.1	-14.3	-14.5	-14.5	-13.9	-12.7	-11.3	-9.85	-8.49	-7.32	-6.35	-5.59	-5.03	-4.65	-4.45	-4.4	-4.49	-4.66	-4.88	-5.07	-5.19	-5.22	-5.17	-5.1	-5.08	-5.18	-5.45	-5.93
40	-11.5	-12.2	-12.5	-12.4	-12.1	-11.7	-11.3	-11.1	-11	-11	-11.1	-11.2	-11.1	-10.6	-9.79	-8.72	-7.56	-6.43	-5.44	-4.62	-3.99	-3.56	-3.33	-3.29	-3.45	-3.75	-4.17	-4.61	-4.98	-5.2	-5.24	-5.18	-5.11	-5.14	-5.36	-5.82
45	-13.2	-13.4	-12.8	-11.9	-10.9	-10	-9.34	-8.83	-8.52	-8.37	-8.36	-8.41	-8.41	-8.25	-7.79	-7.04	-6.08	-5.05	-4.06	-3.2	-2.52	-2.03	-1.75	-1.7	-1.87	-2.24	-2.79	-3.47	-4.16	-4.74	-5.13	-5.3	-5.37	-5.46	-5.71	-6.21
50	-17	-16.7	-14.5	-12.2	-10.3	-8.9	-7.83	-7.07	-6.57	-6.29	-6.2	-6.23	-6.3	-6.28	-6.04	-5.51	-4.72	-3.78	-2.82	-1.95	-1.22	-0.69	-0.36	-0.26	-0.39	-0.75	-1.33	-2.08	-2.96	-3.86	-4.64	-5.24	-5.67	-6.03	-6.49	-7.17
55	-22.6	-25	-17.3	-12.9	-10	-8.04	-6.65	-5.69	-5.08	-4.76	-4.68	-4.78	-4.97	-5.12	-5.08	-4.73	-4.06	-3.18	-2.23	-1.33	-0.56	0.04	0.42	0.59	0.53	0.24	-0.29	-1.02	-1.93	-2.95	-4	-4.98	-5.86	-6.68	-7.56	-8.67
60	-17.6	-27.9	-20	-13.5	-9.82	-7.42	-5.79	-4.71	-4.07	-3.79	-3.82	-4.09	-4.51	-4.93	-5.16	-5.02	-4.45	-3.58	-2.58	-1.61	-0.75	-0.07	0.41	0.67	0.7	0.5	0.06	-0.6	-1.46	-2.49	-3.62	-4.81	-6.02	-7.28	-8.74	-10.6
65	-13	-18.3	-20.8	-14.3	-9.91	-7.13	-5.31	-4.16	-3.55	-3.38	-3.61	-4.16	-4.95	-5.81	-6.49	-6.68	-6.22	-5.28	-4.14	-3	-1.99	-1.16	-0.53	-0.14	0.01	-0.08	-0.42	-1	-1.79	-2.77	-3.9	-5.14	-6.48	-8.01	-9.92	-12.6
70	-10.3	-14.7	-21.3	-16.1	-10.5	-7.24	-5.22	-4.02	-3.48	-3.48	-3.98	-4.93	-6.29	-7.93	-9.52	-10.4	-10.1	-8.89	-7.36	-5.87	-4.54	-3.43	-2.57	-1.98	-1.66	-1.62	-1.85	-2.35	-3.1	-4.04	-5.13	-6.34	-7.67	-9.23	-11.3	-14.2
75	-8.57	-12.5	-21.4	-20.2	-11.7	-7.73	-5.48	-4.25	-3.8	-4	-4.79	-6.25	-8.37	-11.3	-15.1	-19.1	-19.4	-16.4	-13.5	-11	-8.98	-7.3	-5.98	-5.03	-4.46	-4.24	-4.38	-4.85	-5.61	-6.58	-7.68	-8.83	-10	-11.3	-12.9	-14.7
80	-7.26	-10.7	-17.4	-22.9	-12.8	-8.33	-5.95	-4.75	-4.4	-4.79	-5.87	-7.68	-10.3	-13.7	-17.7	-20.6	-21.5	-22.3	-23.4	-21.3	-17.1	-13.6	-11.1	-9.41	-8.39	-7.93	-7.98	-8.5	-9.43	-10.7	-12	-13.1	-13.9	-14.3	-14.4	-14
85	-6.07	-8.76	-12.8	-15.6	-12	-8.47	-6.36	-5.32	-5.13	-5.66	-6.83	-8.54	-10.5	-12.1	-12.8	-13.1	-13.6	-14.8	-17.5	-23	-40.4	-22.2	-16.6	-13.7	-12.1	-11.2	-11.1	-11.4	-12.2	-13.4	-14.8	-16.2	-16.8	-16.1	-14.5	-12.8
90	-5.03	-7.07	-9.5	-10.9	-9.7	-7.74	-6.34	-5.69	-5.74	-6.37	-7.41	-8.59	-9.55	-10.1	-10.4	-10.9	-11.9	-13.5	-16.1	-19.8	-22.5	-20	-16.7	-14.3	-12.8	-11.7	-10.9	-10.4	-10.2	-10.4	-11	-12.1	-13.4	-14.3	-13.7	-12.1
95	-4.25	-5.88	-7.45	-8.07	-7.45	-6.43	-5.74	-5.58	-5.93	-6.66	-7.54	-8.29	-8.78	-9.18	-9.75	-10.8	-12.3	-14.6	-17.1	-18.5	-17.6	-16	-14.7	-13.7	-12.8	-11.5	-10.1	-8.87	-7.96	-7.57	-7.78	-8.65	-10.2	-12.1	-13.3	-12.6
100	-3.87	-5.3	-6.39	-6.5	-5.82	-5.1	-4.76	-4.91	-5.49	-6.32	-7.16	-7.77	-8.2	-8.66	-9.39	-10.5	-11.7	-12.7	-12.8	-12.3	-11.7	-11.6	-12.1	-13.2	-14.1	-13.2	-10.8	-8.5	-6.9	-6.05	-5.97	-6.66	-8.21	-10.7	-13.9	-15
105	-3.9	-5.38	-6.19	-5.81	-4.83	-4.04	-3.72	-3.91	-4.5	-5.31	-6.11	-6.72	-7.14	-7.5	-7.89	-8.23	-8.37	-8.19	-7.81	-7.48	-7.46	-7.95	-9.22	-11.7	-16	-18.4	-13	-8.95	-6.53	-5.25	-4.89	-5.4	-6.86	-9.53	-14.2	-21.1
110	-4.24	-6.04	-6.75	-5.81	-4.38	-3.33	-2.84	-2.87	-3.29	-3.93	-4.59	-5.11	-5.43	-5.58	-5.6	-5.48	-5.23	-4.92	-4.66	-4.59	-4.85	-5.59	-7.06	-9.75	-15.1	-43.9	-15	-9.13	-6.18	-4.64	-4.1	-4.43	-5.68	-8.1	-12.4	-22.2
115	-4.69	-7.11	-7.95	-6.33	-4.34	-2.95	-2.21	-2.01	-2.19	-2.6	-3.06	-3.44	-3.65	-3.7	-3.61	-3.43	-3.21	-3.03	-2.97	-3.12	-3.58	-4.48	-6.03	-8.59	-12.9	-17.9	-12.9	-8.22	-5.5	-3.99	-3.4	-3.62	-4.66	-6.66	-10	-15.3
120	-5.04	-8.26	-9.6	-7.21	-4.6	-2.86	-1.87	-1.44	-1.4	-1.59	-1.88	-2.14	-2.31	-2.38	-2.35	-2.29	-2.24	-2.27	-2.45	-2.85	-3.54	-4.64	-6.33	-8.82	-12.1	-13.3	-10.1	-6.87	-4.7	-3.41	-2.89	-3.07	-3.95	-5.65	-8.35	-12.3
125	-5.25	-9.19	-11.4	-8.26	-5.09	-3.05	-1.84	-1.22	-1	-1.03	-1.2	-1.41	-1.6	-1.75	-1.88	-2.01	-2.21	-2.54	-3.04	-3.78	-4.86	-6.37	-8.47	-11.2	-13.1	-11.5	-8.35	-5.83	-4.11	-3.08	-2.67	-2.86	-3.68	-5.21	-7.63	-11.3
130	-5.48	-9.85	-13.1	-9.37	-5.77	-3.51	-2.16	-1.4	-1.06	-0.99	-1.1	-1.31	-1.56	-1.84	-2.15	-2.54	-3.06	-3.77	-4.75	-6.11	-8.01	-10.7	-14.6	-17.6	-14.2	-10.1	-7.16	-5.14	-3.79	-3.01	-2.75	-2.99	-3.78	-5.2	-7.45	-11
135	-5.9	-10.4	-14.4	-10.6	-6.71	-4.32	-2.87	-2.03	-1.61	-1.49	-1.58	-1.8	-2.12	-2.53	-3.02	-3.66	-4.5	-5.63	-7.2	-9.43	-12.8	-18.7	-24	-15.8	-11	-7.99	-5.96	-4.55	-3.62	-3.12	-3.02	-3.33	-4.09	-5.36	-7.28	-10.1
140	-6.55	-11.1	-15.4	-12	-8.05	-5.58	-4.06	-3.17	-2.69	-2.53	-2.57	-2.77	-3.08	-3.49	-4	-4.63	-5.43	-6.42	-7.61	-8.91	-10	-10.4	-9.73	-8.43	-7.01	-5.76	-4.75	-4.02	-3.55	-3.35	-3.43	-3.81	-4.5	-5.54	-6.93	-8.62
145	-7.37	-11.7	-16.4	-14	-10	-7.44	-5.83	-4.84	-4.25	-3.95	-3.84	-3.84	-3.91	-4.03	-4.18	-4.36	-4.58	-4.83	-5.06	-5.26	-5.35	-5.31	-5.14	-4.85	-4.52	-4.2	-3.94	-3.78	-3.74	-3.85	-4.11	-4.54	-5.14	-5.91	-6.79	-7.65
150	-8.3	-12.3	-17.2	-16.8	-12.8	-9.99	-8.14	-6.9	-6.03	-5.39	-4.88	-4.45	-4.06	-3.71	-3.4	-3.15	-2.96	-2.84	-2.78	-2.78	-2.83	-2.92	-3.05	-3.21	-3.39	-3.59	-3.84	-4.12	-4.45	-4.84	-5.28	-5.77	-6.31	-6.85	-7.34	-7.69
155	-9.38	-13.1	-18.1	-20.6	-16.6	-13	-10.6	-8.85	-7.46	-6.3	-5.32	-4.46	-3.71	-3.08	-2.55	-2.15	-1.85	-1.68	-1.61	-1.66	-1.81	-2.06	-2.4	-2.84	-3.35	-3.92	-4.54	-5.2	-5.88	-6.55	-7.2	-7.79	-8.3	-8.69	-8.91	-8.93
160	-10.8	-14.4	-19.7	-26.1	-20.4	-15.5	-12.3	-9.95	-8.13	-6.65	-5.42	-4.39	-3.53	-2.83	-2.29	-1.88	-1.62	-1.48	-1.49	-1.62	-1.88	-2.27	-2.78	-3.42	-4.17	-5.03	-5.98	-6.99	-8.04	-9.08	-10	-10.9	-11.4	-11.8	-11.8	-11.5
165	-13	-16.9	-23.8	-32.6	-20.7	-15.6	-12.4	-10.1	-8.33	-6.87	-5.67	-4.69	-3.88	-3.24	-2.76	-2.42	-2.22	-2.15	-2.22	-2.42	-2.76	-3.23	-3.84	-4.59	-5.48	-6.51	-7.69	-8.99	-10.4	-11.9	-13.5	-14.9	-16	-16.5	-16.4	-15.6
170	-16.7	-22.4	-45.3	-24	-17.7	-14.1	-11.7	-9.79	-8.3	-7.09	-6.1	-5.29	-4.63	-4.12	-3.73	-3.47	-3.33	-3.31	-3.41	-3.62	-3.95	-4.4	-4.97	-5.66	-6.48	-7.43	-8.53	-9.78	-11.2	-12.9	-14.8	-17.1	-19.9	-23	-24.2	-21.8
175	-23.6	-38.6	-23.8	-18	-14.6	-12.2	-10.4	-9.02	-7.88	-6.96	-6.19	-5.57	-5.07	-4.67	-4.38	-4.17	-4.06	-4.03	-4.09	-4.23	-4.45	-4.75	-5.14	-5.62	-6.19	-6.86	-7.65	-8.58	-9.66	-11	-12.5	-14.5	-17.1	-20.9	-28.1	-36.5
180	-35.3	-23.1	-17.8	-14.6	-12.3	-10.6	-9.15	-8	-7.04	-6.24	-5.56	-5	-4.53	-4.15	-3.85	-3.62	-3.46	-3.37	-3.35	-3.4	-3.51	-3.69	-3.94	-4.26	-4.67	-5.17	-5.77	-6.49	-7.34	-8.36	-9.59	-11.1	-13	-15.5	-19.2	-25.8

ANT1 (2G0) @2437 MHz



EH - 2462 MHz

Azimuth (Phi°)

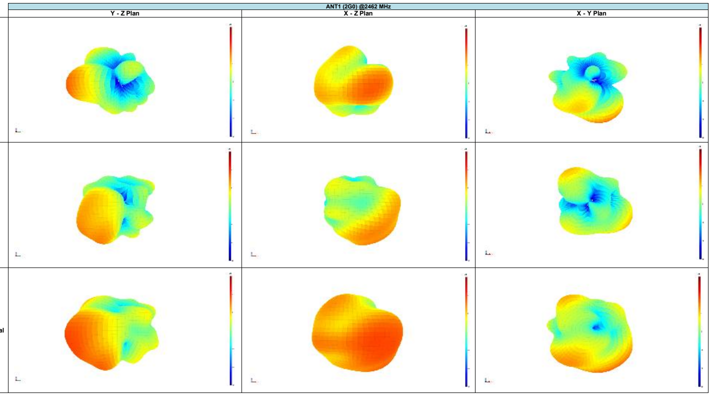
Elevation (Theta°)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
-180	-3.52	-3.56	-3.66	-3.83	-4.07	-4.39	-4.79	-5.28	-5.87	-6.57	-7.4	-8.4	-9.6	-11.1	-12.9	-15.34	-18.77	-24.4	-31.82	-23.54	-18.29	-15.01	-12.67	-10.88	-9.44	-8.27	-7.3	-6.48	-5.79	-5.22	-4.74	-4.35	-4.04	-3.81	-3.64	-3.55
-175	-3.58	-3.5	-3.47	-3.5	-3.57	-3.71	-3.92	-4.19	-4.55	-5	-5.55	-6.22	-7.04	-8.03	-9.25	-10.75	-12.65	-15.08	-18.11	-20.76	-19.81	-16.63	-13.78	-11.53	-9.75	-8.33	-7.17	-6.23	-5.45	-4.83	-4.33	-3.94	-3.65	-3.45	-3.34	-3.31
-170	-3.4	-3.17	-2.99	-2.86	-2.79	-2.78	-2.84	-2.96	-3.16	-3.45	-3.82	-4.29	-4.89	-5.62	-6.51	-7.62	-8.99	-10.69	-12.82	-15.32	-17.37	-16.96	-14.53	-11.99	-9.89	-8.2	-6.85	-5.78	-4.93	-4.27	-3.78	-3.43	-3.2	-3.08	-3.07	-3.13
-165	-3.04	-2.67	-2.37	-2.16	-2.01	-1.94	-1.95	-2.02	-2.16	-2.37	-2.66	-3.02	-3.49	-4.06	-4.77	-5.65	-6.73	-8.08	-9.75	-11.78	-13.99	-15.33	-14.41	-12.14	-9.87	-7.98	-6.47	-5.27	-4.35	-3.67	-3.19	-2.89	-2.76	-2.77	-2.9	-3.13
-160	-2.69	-2.23	-1.88	-1.64	-1.5	-1.44	-1.45	-1.53	-1.67	-1.86	-2.1	-2.41	-2.78	-3.24	-3.81	-4.52	-5.39	-6.48	-7.82	-9.46	-11.32	-12.95	-13.23	-11.81	-9.74	-7.8	-6.19	-4.91	-3.92	-3.2	-2.73	-2.48	-2.44	-2.59	-2.9	-3.34
-155	-2.57	-2.04	-1.67	-1.45	-1.34	-1.33	-1.39	-1.51	-1.67	-1.87	-2.1	-2.36	-2.67	-3.04	-3.5	-4.06	-4.76	-5.63	-6.7	-7.98	-9.42	-10.77	-11.42	-10.85	-9.37	-7.66	-6.1	-4.8	-3.78	-3.03	-2.55	-2.33	-2.35	-2.62	-3.12	-3.79
-150	-2.74	-2.15	-1.78	-1.58	-1.52	-1.57	-1.69	-1.87	-2.07	-2.29	-2.52	-2.75	-3.02	-3.32	-3.69	-4.14	-4.7	-5.39	-6.2	-7.14	-8.14	-9.03	-9.54	-9.38	-8.56	-7.35	-6.07	-4.9	-3.93	-3.19	-2.71	-2.49	-2.56	-2.92	-3.57	-4.48
-145	-3.16	-2.5	-2.11	-1.93	-1.91	-2.01	-2.19	-2.42	-2.66	-2.89	-3.13	-3.35	-3.59	-3.86	-4.18	-4.56	-5.01	-5.54	-6.11	-6.71	-7.25	-7.66	-7.84	-7.72	-7.29	-6.62	-5.8	-4.96	-4.19	-3.56	-3.14	-2.96	-3.06	-3.49	-4.26	-5.36
-140	-3.67	-2.94	-2.52	-2.33	-2.32	-2.43	-2.62	-2.84	-3.07	-3.3	-3.52	-3.75	-3.99	-4.26	-4.57	-4.92	-5.3	-5.67	-6	-6.25	-6.39	-6.41	-6.31	-6.11	-5.82	-5.47	-5.08	-4.66	-4.26	-3.91	-3.67	-3.61	-3.79	-4.28	-5.15	-6.42
-135	-4.1	-3.31	-2.85	-2.63	-2.57	-2.61	-2.7	-2.82	-2.95	-3.1	-3.28	-3.5	-3.76	-4.05	-4.36	-4.67	-4.94	-5.13	-5.22	-5.22	-5.14	-5	-4.82	-4.61	-4.39	-4.19	-4.02	-3.93	-3.91	-3.95	-4.07	-4.29	-4.66	-5.27	-6.24	-7.65
-130	-4.29	-3.51	-3.05	-2.77	-2.6	-2.48	-2.37	-2.29	-2.26	-2.29	-2.4	-2.59	-2.84	-3.12	-3.4	-3.61	-3.72	-3.71	-3.61	-3.49	-3.38	-3.31	-3.26	-3.2	-3.1	-3	-2.94	-3.01	-3.24	-3.64	-4.19	-4.85	-5.6	-6.48	-7.6	-9.13
-125	-4.24	-3.59	-3.19	-2.87	-2.55	-2.19	-1.82	-1.5	-1.29	-1.2	-1.25	-1.41	-1.65	-1.91	-2.11	-2.2	-2.13	-1.95	-1.72	-1.53	-1.46	-1.51	-1.66	-1.83	-1.94	-1.98	-2.02	-2.17	-2.52	-3.14	-4.06	-5.22	-6.54	-7.91	-9.34	-10.98
-120	-4.01	-3.66	-3.44	-3.13	-2.64	-1.99	-1.32	-0.77	-0.39	-0.21	-0.22	-0.37	-0.6	-0.83	-0.96	-0.93	-0.72	-0.39	-0.05	0.2	0.26	0.14	-0.16	-0.54	-0.88	-1.13	-1.29	-1.51	-1.93	-2.66	-3.8	-5.37	-7.33	-9.51	-11.56	-13.29
-115	-3.71	-3.8	-3.94	-3.74	-3.03	-2.03	-1.05	-0.27	0.24	0.48	0.49	0.33	0.09	-0.13	-0.21	-0.07	0.27	0.73	1.18	1.5	1.61	1.47	1.12	0.61	0.08	-0.37	-0.71	-1.03	-1.5	-2.28	-3.51	-5.3	-7.75	-10.86	-14.15	-16.06
-110	-3.42	-4.06	-4.78	-4.82	-3.84	-2.39	-1.05	-0.07	0.54	0.82	0.81	0.62	0.35	0.13	0.08	0.3	0.77	1.36	1.92	2.34	2.52	2.44	2.1	1.56	0.92	0.31	-0.21	-0.67	-1.21	-2.02	-3.25	-5.08	-7.71	-11.45	-16.43	-18.98
-105	-3.24	-4.48	-5.98	-6.45	-5.03	-2.98	-1.29	-0.13	0.55	0.82	0.78	0.54	0.21	-0.05	-0.08	0.21	0.79	1.51	2.2	2.73	3.02	3.03	2.76	2.27	1.62	0.92	0.26	-0.36	-1.03	-1.88	-3.1	-4.88	-7.48	-11.38	-17.49	-21.06
-100	-3.3	-5.09	-7.57	-8.62	-6.39	-3.64	-1.64	-0.37	0.32	0.56	0.46	0.14	-0.26	-0.58	-0.62	-0.29	0.39	1.24	2.06	2.72	3.13	3.26	3.12	2.72	2.13	1.42	0.66	-0.11	-0.92	-1.87	-3.13	-4.88	-7.43	-11.32	-17.82	-20.94
-95	-3.71	-6.01	-9.56	-11.07	-7.47	-4.14	-1.97	-0.69	-0.03	0.15	-0.02	-0.42	-0.91	-1.3	-1.4	-1.07	-0.33	0.62	1.57	2.35	2.9	3.17	3.16	2.9	2.41	1.75	0.97	0.09	-0.87	-1.98	-3.35	-5.16	-7.76	-11.74	-18.24	-18.66
-90	-4.56	-7.37	-11.98	-12.85	-7.84	-4.34	-2.22	-1	-0.42	-0.3	-0.53	-0.98	-1.53	-2.01	-2.21	-1.95	-1.23	-0.24	0.78	1.67	2.33	2.74	2.87	2.76	2.41	1.85	1.1	0.17	-0.91	-2.19	-3.73	-5.7	-8.46	-12.61	-18.08	-15.65
-85	-5.87	-9.2	-14.43	-12.75	-7.54	-4.32	-2.38	-1.28	-0.76	-0.68	-0.92	-1.39	-1.96	-2.5	-2.82	-2.73	-2.15	-1.23	-0.21	0.72	1.46	1.97	2.24	2.28	2.07	1.64	0.97	0.07	-1.07	-2.46	-4.17	-6.35	-9.28	-13.33	-16.26	-12.92
-80	-7.53	-11.2	-15.13	-11.4	-7.03	-4.26	-2.54	-1.54	-1.05	-0.95	-1.15	-1.55	-2.08	-2.63	-3.07	-3.2	-2.9	-2.21	-1.33	-0.45	0.31	0.89	1.26	1.43	1.38	1.08	0.54	-0.28	-1.39	-2.82	-4.62	-6.9	-9.82	-13.12	-13.82	-10.85
-75	-9.09	-12.3	-13.5	-10.02	-6.63	-4.31	-2.78	-1.84	-1.33	-1.15	-1.22	-1.5	-1.92	-2.42	-2.92	-3.27	-3.33	-3.03	-2.45	-1.75	-1.08	-0.5	-0.06	0.21	0.29	0.14	-0.26	-0.96	-1.97	-3.34	-5.1	-7.3	-9.92	-12.17	-11.9	-9.49
-70	-9.87	-11.77	-11.55	-9.06	-6.51	-4.57	-3.18	-2.25	-1.65	-1.34	-1.24	-1.34	-1.6	-1.99	-2.48	-2.97	-3.36	-3.51	-3.38	-3.04	-2.58	-2.11	-1.69	-1.37	-1.19	-1.2	-1.47	-2.03	-2.91	-4.15	-5.77	-7.75	-9.9	-11.33	-10.77	-8.81
-65	-9.6	-10.45	-10.07	-8.49	-6.65	-5.05	-3.78	-2.81	-2.09	-1.6	-1.3	-1.18	-1.25	-1.48	-1.89	-2.41	-3	-3.54	-3.91	-4.06	-4	-3.8	-3.52	-3.24	-3.04	-2.99	-3.15	-3.58	-4.33	-5.42	-6.85	-8.55	-10.24	-11.11	-10.42	-8.73
-60	-8.72	-9.1	-8.91	-8.08	-6.9	-5.65	-4.5	-3.5	-2.65	-1.96	-1.45	-1.11	-0.96	-1.01	-1.27	-1.73	-2.36	-3.09	-3.84	-4.5	-4.98	-5.25	-5.33	-5.29	-5.22	-5.21	-5.36	-5.73	-6.37	-7.33	-8.58	-10.02	-11.3	-11.71	-10.84	-9.23
-55	-7.7	-7.89	-7.89	-7.58	-6.97	-6.15	-5.19	-4.2	-3.25	-2.39	-1.68	-1.13	-0.78	-0.65	-0.74	-1.06	-1.6	-2.34	-3.22	-4.19	-5.14	-5.98	-6.66	-7.14	-7.48	-7.76	-8.08	-8.53	-9.19	-10.1	-11.26	-12.53	-13.45	-13.37	-12.12	-10.38
-50	-6.81	-6.91	-6.97	-6.94	-6.74	-6.3	-5.61	-4.73	-3.76	-2.8	-1.95	-1.24	-0.73	-0.43	-0.35	-0.52	-0.92	-1.55	-2.39	-3.4	-4.55	-5.76	-6.95	-8.06	-9.04	-9.89	-10.7	-11.5	-12.4	-13.53	-14.92	-16.43	-17.33	-16.62	-14.59	-12.36
-45	-6.24	-6.25	-6.3	-6.34	-6.31	-6.1	-5.65	-4.94	-4.05	-3.1	-2.19	-1.41	-0.79	-0.37	-0.17	-0.2	-0.46	-0.96	-1.68	-2.61	-3.73	-4.98	-6.31	-7.66	-8.94	-10.12	-11.2	-12.3	-13.4	-14.86	-16.83	-19.61	-23.01	-23.06	-19.12	-15.66
-40	-6.07	-5.98	-5.95	-5.95	-5.91	-5.76	-5.42	-4.86	-4.1	-3.25	-2.39	-1.61	-0.97	-0.5	-0.23	-0.17	-0.33	-0.71	-1.3	-2.09	-3.06	-4.18	-5.37	-6.58	-7.71	-8.72	-9.62	-10.5	-11.5	-12.71	-14.41	-16.89	-20.85	-28.61	-29.83	-21.51
-35	-6.29	-6.09	-5.93	-5.81	-5.68	-5.47	-5.14	-4.65	-4.02	-3.3	-2.56	-1.87	-1.28	-0.83	-0.54	-0.44	-0.52	-0.8	-1.27	-1.92	-2.71	-3.62	-4.59	-5.54	-6.44	-7.25	-7.99	-8.74	-9.6	-10.68	-12.1	-14.02	-16.72	-20.81	-28.56	-37.66
-30	-6.78	-6.44	-6.14	-5.87	-5.6	-5.29	-4.91	-4.46	-3.92	-3.34	-2.74	-2.18	-1.69	-1.31	-1.05	-0.95	-1	-1.2	-1.56	-2.06	-2.68	-3.39	-4.15	-4.91	-5.66	-6.38	-7.1	-7.86	-8.74	-9.81	-11.14	-12.83	-15.01	-17.88	-21.93	-28.69
-25	-7.32	-6.85	-6.41	-6.01	-5.61	-5.22	-4.81	-4.37	-3.91	-3.44	-2.97	-2.55	-2.18	-1.89	-1.7	-1.62	-1.66	-1.82	-2.1	-2.49	-2.98	-3.55	-4.18	-4.85	-5.55	-6.29	-7.08	-7.96	-8.95	-10.11	-11.49	-13.14	-15.12	-17.53	-20.56	-24.67
-20	-7.7	-7.14	-6.62	-6.14	-5.68	-5.25	-4.83	-4.42	-4.03	-3.65	-3.31	-3	-2.75	-2.56	-2.45	-2.42	-2.49	-2.65	-2.9	-3.25	-3.68	-4.2	-4.81	-5.48	-6.24	-7.08	-8.02	-9.07	-10.3	-11.59	-13.1	-14.77	-16.61	-18.56	-20.58	-22.7
-15	-7.85	-7.29	-6.77	-6.28	-5.82	-5.4	-5.01	-4.66	-4.34	-4.06	-3.82	-3.62	-3.48	-3.4	-3.38	-3.43	-3.56	-3.77	-4.06	-4.44	-4.92	-5.49	-6.16	-6.93	-7.82	-8.83	-9.97	-11.2	-12.6	-14.09	-15.54	-16.81	-17.71	-18.2	-18.4	-18.5
-10	-7.98	-7.47	-7	-6.55	-6.15	-5.78	-5.46	-5.18	-4.95	-4.76	-4.62	-4.54	-4.51	-4.53	-4.63	-4.79	-5.02	-5.33	-5.73	-6.21	-6.8	-7.48	-8.28	-9.2	-10.24	-11.39	-12.6	-13.9	-15.1	-15.89	-16.25	-16.14	-15.73	-15.21	-14.73	-14.35
-5	-8.37	-7.94	-7.53	-7.17	-6.84	-6.56	-6.32	-6.13	-5.99	-5.9	-5.87	-5.89	-5.97	-6.11	-6.32	-6.59	-6.93	-7.34	-7.83	-8.4	-9.05	-9.79	-10.59	-11.46	-12.34	-13.18	-13.9	-14.4	-14.5	-14.37	-13.98	-13.47	-12.91	-12.37	-11.88	-11.47
0	-9.32	-8.96	-8.65	-8.37	-8.13	-7.94	-7.79	-7.69	-7.63	-7.62	-7.65	-7.72	-7.84	-8	-8.21	-8.46	-8.76	-9.09	-9.46	-9.86	-10.29	-10.73	-11.17	-11.58	-11.94	-12.22	-12.4	-12.4	-12.3	-12.13	-11.82	-11.44	-11.01	-10.57	-10.13	-9.71
5	-11.12	-10.84	-10.62	-10.45	-10.31	-10.19	-10.09	-9.99	-9.88	-9.77	-9.65	-9.53	-9.42	-9.31	-9.23	-9.18	-9.16	-9.18	-9.24	-9.35	-9.5	-9.68	-9.9	-10.14	-10.38	-10.61	-10.8	-10.9	-11	-10.9	-10.73	-10.47	-10.12	-9.71	-9.27	-8.82
10	-14.09	-13.94	-13.85	-13.78	-13.66	-13.43	-13.06	-12.53	-11.91	-11.2	-10.6	-9.93	-9.38	-8.91	-8.53	-8.25	-8.07	-7.99	-7.99	-8.09	-8.26	-8.5	-8.81	-9.17	-9.56	-9.94	-10.3	-10.6	-10.8	-10.78	-10.65	-10.38	-10	-9.54	-9.03	-8.5
15	-18.64	-18.84	-18.95	-18.69	-17.84	-16.47	-14.88	-13.31	-11.88	-10.6	-9.61	-8.76	-8.1	-7.59	-7.23	-7.01	-6.92	-6.95	-7.09	-7.34	-7.68	-8.12	-8.64	-9.21	-9.82	-10.42	-11	-11.4	-11.6	-11.54	-11.28	-10.85	-10.3	-9.69	-9.07	-8.45
20	-24.96	-26.83	-26.08	-22.75	-19.28	-16.37	-14.01	-12.09	-10.53	-9.29	-8.3	-7.55	-6.99	-6.61	-6.39	-6.32	-6.4	-6.6	-6.92	-7.37	-7.94	-8.62	-9.4	-10.25	-11.13	-11.95	-12.6	-13	-12.9	-12.56	-11.94	-11.21	-10.44	-9.68	-8.97	-8.31
25	-31.57	-37.33	-26.97	-21.6	-17.95	-15.17	-12.96	-11.18	-9.74	-8.61	-7.74	-7.1	-6.66	-6.4	-6.31	-6.38	-6.6	-6.96	-7.46	-8.11	-8.91	-9.86	-10.93	-12.08	-13.2	-14.08	-14.5	-14.2	-13.5	-12.61	-11.65	-10.73	-9.89	-9.14	-8.46	-7.86
30	-43.87	-28.38	-22.98	-19.61	-17	-14.82	-12.96	-11.38	-10.08	-9.03	-8.23	-7.65	-7.27	-7.08	-7.06	-7.2	-7.5	-7.96	-8.58	-9.38	-10.38	-11.56	-12.88	-14.19	-15.14	-15.34	-14.7	-13.6	-12.5	-11.36	-10.39	-9.55	-8.83	-8.2	-7.66	-7.19
35	-24.83	-20.47	-18.06	-16.5	-15.35	-14.34	-13.36	-12.37	-11.44	-10.6	-9.9	-9.37	-9	-8.79	-8.73	-8.83	-9.08	-9.5	-10.12	-10.97	-12.05	-13.35	-14.69	-15.66	-15.69	-14.78	-13.4	-12.1	-10.9	-9.92	-9.1	-8.4	-7.82	-7.33	-6.91	-6.56
40	-17.46	-15.06	-13.58	-12.71	-12.28	-12.17	-12.26	-12.44	-12.6	-12.7	-12.6	-12.4	-12.2	-11.9	-11.6	-11.45	-11.41	-11.57	-12.01	-12.76	-13.84	-15.12	-16.18	-16.28	-15.23	-13.68	-12.2	-10.9	-9.86	-9	-8.29	-7.7	-7.2	-6.8	-6.47	-6.23
45	-13.17	-11.42	-10.24	-9.53	-9.22	-9.27	-9.65	-10.33	-11.29	-12.5	-14	-15.5	-16.8	-17.2	-16.7	-15.69	-14.83	-14.37	-14.41	-15	-16.09	-17.29	-17.61	-16.41	-14.51	-12.76	-11.4	-10.3	-9.42	-8.7	-8.07	-7.52	-7.06	-6.7	-6.45	-6.3
50	-10.45	-8.96	-7.89	-7.2	-6.87	-6.87	-7.19	-7.8	-8.73	-9.98	-11.7	-13.9	-17	-21.5	-26.9	-24.45	-20.56	-18.54	-17.9	-18.34	-19.44	-19.78	-17.97	-15.35	-13.17	-11.62	-10.6	-9.92	-9.42	-8.93	-8.39	-7.83	-7.34	-6.99	-6.8	-6.75
55	-8.69	-7.3	-6.25	-5.56	-5.21	-5.17	-5.42	-5.93	-6.7	-7.72	-9.02	-10.7	-12.9	-15.9	-20.4	-28.08	-31.41	-25.34	-23.26	-22.99	-22.13	-19.03	-15.56	-12.88	-11.05	-9.97	-9.48	-9.42	-9.53	-9.49	-9.1	-8.48	-7.87	-7.47	-7.35	-7.46
60	-7.57	-6.17	-5.13	-4.44	-4.1	-4.07	-4.32	-4.81	-5.5	-6.36	-7.4	-8.65	-10.2	-12.1	-14.6	-17.8	-21.34	-23.78	-23.85	-22.14	-19	-15.49	-12.52	-10.33	-8.89	-8.18	-8.13	-8.65	-9.5	-10.17	-10.06	-9.26	-8.4	-7.88	-7.82	-8.17
65	-6.95	-5.48	-4.41	-3.74	-3.44	-3.47	-3.79	-4.34	-5.05	-5.86	-6.73	-7.66	-8.74	-10.1	-11.7	-13.78	-16.07	-18.06	-18.9	-18	-15.68	-12.92	-10.43	-8.53	-7.3	-6.77	-6.96	-7.86	-9.38	-10.93	-11.18	-9.98	-8.65	-7.89	-7.87	-8.51
70	-6.78	-5.18	-4.07	-3.42	-3.19	-3.33	-3.79	-4.49	-5.31	-6.15	-6.88	-7.51	-8.15	-8.95	-10.1	-11.54	-13.3	-15.02	-16.07	-15.78	-14.12	-11.76	-9.48	-7.66	-6.47	-5.98	-6.25	-7.38	-9.43	-11.96	-12.55	-10.46	-8.43	-7.36	-7.28	-8.14
75	-7.1	-5.32	-4.15	-3.53	-3.39	-3.68	-4.34	-5.27	-6.32	-7.24	-7.79	-7.99	-8.09	-8.37	-9.03	-10.15	-11.68	-13.41	-14.83	-15.18	-14.06	-11.92	-9.61	-7.69	-6.4	-5.84	-6.1	-7.36	-9.89	-13.65	-14.33	-10.6	-7.8	-6.4	-6.16	-7.03
80	-7.93	-5.91	-4.67	-4.09	-4.07	-4.56	-5.51	-6.81	-8.23	-9.24	-9.35	-8.79	-8.19	-7.95	-8.25	-9.15	-10.63	-12.56	-14.53	-15.74	-15.29	-13.26	-10.74	-8.54	-7.01	-6.27	-6.45	-7.77	-10.8	-16.45	-16.5	-10.36	-6.96	-5.3	-4.87	-5.56
85	-9.28	-6.95	-5.64	-5.12	-5.26	-6.04	-7.42	-9.34	-11.36	-12.2	-11	-9.27	-7.98	-7.37	-7.45	-8.25	-9.76	-11.93	-14.55	-16.88	-17.42	-15.51	-12.59	-9.95	-8.07	-7.07	-7.09	-8.38	-11.7	-20.48	-18.05	-9.87	-6.16	-4.32	-3.71	-4.19
90	-11.05	-8.37	-7	-6.58	-6.98	-8.17	-10.25	-13.32	-16.19	-14.7	-11.4	-8.84	-7.27	-6.53	-6.53	-7.27	-8.78	-11.09	-14.15	-17.47	-19.27	-17.71	-14.48	-11.45	-9.22	-7.95	-7.76	-8.91	-12.2	-22.12	-17.69	-9.4	-5.62	-3.65	-2.89	-3.17
95	-13.03	-10.04	-8.67	-8.44	-9.19	-11.04	-14.39	-20.17	-20.47	-14.2	-10.3	-7.84	-6.36	-5.63	-5.6	-6.26	-7.66	-9.86	-12.89	-16.47	-19.12	-18.5	-15.62	-12.55	-10.16	-8.7	-8.32	-9.26	-12.2	-19.7	-16.77	-9.27	-5.46	-3.4	-2.5	-2.6
100	-14.85	-11.75	-10.52	-10.6	-11.91	-14.79	-20.91	-31.72	-17.68	-12.3	-9.13	-7.02	-5.67	-4.95	-4.85	-5.38	-6.57	-8.47	-11.07	-14.19	-16.96	-17.61	-15.78	-13.11	-10.79	-9.27	-8.76	-9.52	-12.2	-18.27	-17.01	-9.74	-5.8	-3.6	-2.55	-2.47
105	-16.1	-13.36	-12.52	-13.11	-15.22	-19.82	-32.44	-21.67	-15	-11.2	-8.64	-6.76	-5.46	-4.7	-4.47	-4.8	-5.7	-7.18	-9.2	-11.56	-13.74	-14.84	-14.25	-12.54	-10.71	-9.4	-8.94	-9.63	-12.1	-18.03	-19.57	-11.07	-6.71	-4.27	-3.03	-2.73
110	-16.59	-14.93	-14.84	-16.31	-19.76	-26.06	-23.48	-17.45	-13.7	-11	-8.89	-7.16	-5.84	-4.96	-4.54	-4.62	-5.19	-6.22	-7.62	-9.18	-10.52	-11.22	-11.08	-10.28	-9.26	-8.48	-8.31	-9.07	-11.3	-16.8	-28.64	-13.59	-8.25	-5.4	-3.88	-3.29
115	-16.25	-16.55	-18.1	-21.72	-27.42	-23.16	-18.01	-14.95	-12.92	-11.3	-9.72	-8.19	-6.83	-5.79	-5.15	-4.94	-5.15	-5.72	-6.52	-7.34	-7.93	-8.11	-7.89	-7.42	-6.91	-6.61	-6.75	-7.6	-9.56	-13.67	-25.35	-17.72	-10.43	-6.92	-4.99	-4.02
120	-15.03	-17.62	-22.71	-46.01	-23.31	-17.33	-14.36	-12.75	-11.9	-11.4	-10.7	-9.69	-8.44	-7.26	-6.38	-5.86	-5.68	-5.77	-5.99	-6.15	-6.12	-5.87	-5.47	-5.05	-4.73	-4.66	-4.97	-5.85	-7.56	-10.66	-16.68	-21.74	-13.04	-8.62	-6.16	-4.76
125	-13.21	-16.58	-21.33	-20.89	-16.23	-13.14	-11.35	-10.48	-10.29	-10.6	-11	-11.1	-10.5	-9.5	-8.43	-7.57	-6.96	-6.51	-6.11	-5.66	-5.1	-4.49	-3.91	-3.44	-3.18	-3.2	-3.59	-4.48	-6.05	-8.65	-13.05	-19.57	-15.21	-10.06	-7.1	-5.32
130	-11.28	-14.04	-15.99	-14.64	-12.04	-10.04	-8.82	-8.26	-8.29	-8.83	-9.8	-11	-12	-12.3	-11.7	-10.55	-9.34	-8.16	-7.01	-5.89	-4.83	-3.9	-3.14	-2.6	-2.34	-2.4	-2.83	-3.74	-5.27	-7.66	-11.44	-16.8	-15.6	-10.68	-7.52	-5.54
135	-9.54	-11.56	-12.41	-11.21	-9.33	-7.79	-6.79	-6.32	-6.32	-6.78	-7.69	-9.05	-10.9	-13.2	-15.4	-15.83	-13.82	-11.19	-8.83	-6.87	-5.27	-4.02	-3.09	-2.48	-2.2	-2.27	-2.75	-3.69	-5.23	-7.56	-11.02	-15.06	-14.11	-10.16	-7.27	-5.35
140	-8.02	-9.54	-10.01	-9.06	-7.56	-6.24	-5.32	-4.81	-4.71	-4.98	-5.63	-6.69	-8.23	-10.5	-13.8	-19.62	-25.45	-16.82	-11.79	-8.61	-6.39	-4.8	-3.7	-3.01	-2.7	-2.79	-3.29	-4.27	-5.83	-8.09	-11.06	-13.29	-11.79	-8.85	-6.48	-4.81
145	-6.69	-7.87	-8.26	-7.61	-6.43	-5.27	-4.39	-3.83	-3.61	-3.71	-4.12	-4.87	-6	-7.62	-9.95	-13.51	-19.82	-23.73	-15.48	-10.91	-8.07	-6.16	-4.88	-4.1	-3.76	-3.84	-4.34	-5.31	-6.79	-8.73	-10.66	-11.1	-9.5	-7.35	-5.52	-4.14
150	-5.52	-6.44	-6.83	-6.5	-5.68	-4.75	-3.95	-3.39	-3.09	-3.06	-3.31	-3.84	-4.68	-5.89	-7.57	-9.88	-13.05	-16.59	-16.42	-12.9	-9.93	-7.85	-6.45	-5.59	-5.19	-5.21	-5.63	-6.44	-7.57	-8.76	-9.44	-8.99	-7.64	-6.08	-4.69	-3.57
155	-4.55	-5.23	-5.62	-5.57	-5.13	-4.51	-3.91	-3.43	-3.14	-3.06	-3.22	-3.62	-4.29	-5.27	-6.59	-8.33	-10.53	-12.95	-14.38	-13.42	-11.32	-9.44	-8.05	-7.13	-6.64	-6.52	-6.71	-7.14	-7.67	-8.04	-7.97	-7.34	-6.33	-5.21	-4.16	-3.27
160	-3.84	-4.31	-4.66	-4.79	-4.69	-4.45	-4.14	-3.87	-3.71	-3.69	-3.86	-4.24	-4.84	-5.7	-6.84	-8.29	-10.03	-11.87	-13.2	-13.16	-11.98	-10.51	-9.25	-8.32	-7.7	-7.36	-7.22	-7.2	-7.2	-7.08	-6.76	-6.21	-5.5	-4.72	-3.96	-3.27
165	-3.41	-3.72	-4.01	-4.24	-4.39	-4.48	-4.53	-4.58	-4.68	-4.87	-5.19	-5.66	-6.32	-7.2	-8.3	-9.65	-11.18	-12.67	-13.6	-13.49	-12.5	-11.22	-10.03	-9.05	-8.29	-7.71	-7.28	-6.94	-6.63	-6.31	-5.93	-5.49	-5	-4.47	-3.96	-3.47
170	-3.27	-3.46	-3.7	-3.97	-4.26	-4.58	-4.93	-5.32	-5.77	-6.3	-6.93	-7.7	-8.62	-9.74	-11.1	-12.63	-14.27	-15.59	-15.92	-15.05	-13.58	-12.06	-10.72	-9.59	-8.66	-7.89	-7.25	-6.71	-6.23	-5.81	-5.41	-5.03	-4.67	-4.31	-3.98	-3.67
175	-3.35	-3.46	-3.65	-3.9	-4.23	-4.63	-5.12	-5.69	-6.37	-7.16	-8.1	-9.21	-10.6	-12.2	-14.2	-16.83	-20.12	-22.98	-21.75	-18.4	-15.54	-13.32	-11.59	-10.19	-9.04	-8.08	-7.27	-6.59	-6	-5.49	-5.06	-4.69	-4.37	-4.1	-3.88	-3.71
180	-3.52	-3.56	-3.66	-3.83	-4.07	-4.39	-4.79	-5.28	-5.87	-6.57	-7.4	-8.4	-9.6	-11.1	-12.9	-15.34	-18.77	-24.4	-31.82	-23.54	-18.29	-15.01	-12.67	-10.88	-9.44	-8.27	-7.3	-6.48	-5.79	-5.22	-4.74	-4.35	-4.04	-3.81	-3.64	-3.55

EV - 2462 MHz

Azimuth (Phi°)

Elevation (Theta°)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
-180	-31.8	-23.5	-18.3	-15	-12.7	-10.9	-9.44	-8.27	-7.3	-6.48	-5.79	-5.22	-4.74	-4.35	-4.04	-3.81	-3.64	-3.55	-3.52	-3.56	-3.66	-3.83	-4.07	-4.39	-4.79	-5.28	-5.87	-6.57	-7.4	-8.4	-9.6	-11.1	-12.9	-15.3	-18.8	-24.4
-175	-22.5	-18	-15	-12.7	-10.9	-9.43	-8.16	-7.07	-6.12	-5.3	-4.57	-3.94	-3.39	-2.91	-2.52	-2.19	-1.93	-1.74	-1.62	-1.56	-1.58	-1.66	-1.82	-2.06	-2.39	-2.8	-3.31	-3.92	-4.66	-5.54	-6.58	-7.82	-9.32	-11.2	-13.6	-16.9
-170	-17.1	-14.8	-12.8	-11.2	-9.71	-8.44	-7.31	-6.3	-5.39	-4.56	-3.82	-3.15	-2.55	-2.01	-1.54	-1.12	-0.78	-0.49	-0.27	-0.12	-0.04	-0.03	-0.1	-0.25	-0.48	-0.82	-1.25	-1.79	-2.45	-3.24	-4.18	-5.29	-6.61	-8.18	-10.1	-12.5
-165	-13.3	-12.1	-11	-9.81	-8.73	-7.72	-6.77	-5.89	-5.07	-4.3	-3.59	-2.92	-2.3	-1.73	-1.21	-0.73	-0.3	0.07	0.39	0.64	0.83	0.95	0.99	0.95	0.83	0.61	0.28	-0.15	-0.7	-1.39	-2.22	-3.21	-4.39	-5.77	-7.41	-9.39
-160	-10.6	-10	-9.35	-8.62	-7.85	-7.08	-6.32	-5.58	-4.87	-4.2	-3.55	-2.92	-2.33	-1.77	-1.23	-0.73	-0.26	0.17	0.55	0.88	1.16	1.37	1.52	1.6	1.6	1.51	1.32	1.02	0.6	0.05	-0.64	-1.5	-2.53	-3.77	-5.25	-7.02
-155	-9	-8.77	-8.37	-7.82	-7.19	-6.51	-5.82	-5.14	-4.49	-3.86	-3.27	-2.71	-2.18	-1.66	-1.17	-0.71	-0.27	0.14	0.52	0.86	1.17	1.43	1.64	1.81	1.91	1.94	1.89	1.74	1.48	1.09	0.56	-0.14	-1.03	-2.13	-3.48	-5.13
-150	-8.62	-8.64	-8.32	-7.73	-6.98	-6.16	-5.36	-4.6	-3.92	-3.29	-2.73	-2.21	-1.73	-1.28	-0.85	-0.44	-0.07	0.28	0.59	0.88	1.13	1.35	1.55	1.73	1.88	2	2.06	2.06	1.96	1.74	1.38	0.85	0.13	-0.83	-2.06	-3.63
-145	-9.61	-9.93	-9.5	-8.52	-7.34	-6.18	-5.15	-4.26	-3.51	-2.87	-2.31	-1.81	-1.35	-0.92	-0.5	-0.12	0.24	0.56	0.84	1.06	1.24	1.38	1.5	1.6	1.71	1.83	1.94	2.04	2.07	2.02	1.83	1.48	0.93	0.12	-0.98	-2.47
-140	-12.4	-13.4	-12.2	-10.1	-8.15	-6.58	-5.34	-4.37	-3.6	-2.96	-2.41	-1.91	-1.44	-0.98	-0.52	-0.07	0.36	0.74	1.07	1.32	1.49	1.59	1.63	1.62	1.62	1.64	1.71	1.81	1.92	1.98	1.95	1.77	1.38	0.73	-0.25	-1.64
-135	-17.6	-21.5	-15.5	-11.4	-8.86	-7.14	-5.92	-5.01	-4.32	-3.75	-3.24	-2.74	-2.23	-1.69	-1.12	-0.54	0.03	0.57	1.03	1.41	1.67	1.82	1.86	1.81	1.7	1.59	1.52	1.53	1.61	1.71	1.79	1.75	1.52	1.02	0.17	-1.13
-130	-20.9	-22.1	-14.5	-10.9	-8.75	-7.43	-6.57	-5.97	-5.53	-5.14	-4.73	-4.25	-3.69	-3.04	-2.31	-1.55	-0.79	-0.06	0.59	1.13	1.56	1.84	1.98	1.98	1.87	1.69	1.49	1.34	1.28	1.34	1.44	1.5	1.4	1.04	0.3	-0.92
-125	-16.6	-14.8	-11.5	-9.25	-7.94	-7.2	-6.83	-6.65	-6.54	-6.4	-6.14	-5.74	-5.18	-4.48	-3.68	-2.82	-1.94	-1.08	-0.29	0.42	1.02	1.48	1.79	1.94	1.93	1.79	1.55	1.27	1.06	0.98	1.02	1.1	1.08	0.82	0.18	-0.96
-120	-14.9	-12.3	-9.73	-8.09	-7.17	-6.72	-6.55	-6.49	-6.43	-6.29	-6.05	-5.71	-5.27	-4.77	-4.2	-3.58	-2.91	-2.19	-1.44	-0.69	0.03	0.67	1.2	1.57	1.76	1.76	1.59	1.3	0.98	0.73	0.64	0.66	0.65	0.45	-0.12	-1.19
-115	-15.6	-11.8	-9.22	-7.73	-6.9	-6.43	-6.11	-5.81	-5.46	-5.07	-4.68	-4.31	-3.99	-3.72	-3.52	-3.36	-3.19	-2.95	-2.58	-2.03	-1.33	-0.54	0.22	0.87	1.32	1.56	1.55	1.34	1	0.64	0.38	0.26	0.19	-0.01	-0.52	-1.49
-110	-17.4	-12	-9.39	-7.97	-7.14	-6.53	-5.94	-5.28	-4.61	-3.97	-3.43	-3.02	-2.75	-2.62	-2.63	-2.77	-3.01	-3.28	-3.45	-3.36	-2.87	-2.04	-1.06	-0.11	0.65	1.16	1.38	1.33	1.06	0.67	0.28	-0.01	-0.2	-0.44	-0.9	-1.73
-105	-16	-11.7	-9.53	-8.42	-7.72	-7.04	-6.2	-5.25	-4.33	-3.53	-2.9	-2.48	-2.24	-2.18	-2.3	-2.58	-3.02	-3.56	-4.12	-4.48	-4.35	-3.62	-2.49	-1.28	-0.22	0.58	1.06	1.22	1.1	0.77	0.33	-0.1	-0.45	-0.76	-1.18	-1.87
-100	-12.5	-10.3	-9.17	-8.65	-8.31	-7.76	-6.86	-5.75	-4.68	-3.79	-3.13	-2.71	-2.51	-2.52	-2.7	-3.05	-3.55	-4.16	-4.82	-5.37	-5.51	-5	-3.89	-2.53	-1.23	-0.17	0.58	0.99	1.07	0.87	0.46	-0.04	-0.52	-0.92	-1.34	-1.94
-95	-9.98	-8.95	-8.52	-8.51	-8.61	-8.4	-7.67	-6.61	-5.52	-4.6	-3.93	-3.53	-3.37	-3.43	-3.67	-4.05	-4.53	-5.06	-5.61	-6.07	-6.27	-5.97	-5.08	-3.76	-2.33	-1.05	-0.04	0.62	0.93	0.9	0.59	0.11	-0.43	-0.93	-1.4	-2
-90	-8.74	-8.19	-8.07	-8.28	-8.59	-8.65	-8.22	-7.38	-6.4	-5.52	-4.86	-4.47	-4.33	-4.4	-4.65	-5.02	-5.43	-5.83	-6.2	-6.49	-6.64	-6.5	-5.9	-4.79	-3.38	-1.96	-0.76	0.13	0.65	0.81	0.64	0.24	-0.29	-0.84	-1.4	-2.1
-85	-8.54	-8.19	-8.12	-8.25	-8.44	-8.47	-8.15	-7.48	-6.64	-5.84	-5.2	-4.79	-4.61	-4.66	-4.87	-5.19	-5.56	-5.92	-6.22	-6.46	-6.62	-6.6	-6.25	-5.43	-4.18	-2.78	-1.48	-0.45	0.23	0.55	0.53	0.24	-0.23	-0.79	-1.43	-2.24
-80	-9.3	-8.98	-8.75	-8.57	-8.37	-8.05	-7.52	-6.8	-6	-5.25	-4.64	-4.24	-4.05	-4.07	-4.25	-4.56	-4.93	-5.31	-5.66	-5.96	-6.17	-6.24	-6.07	-5.52	-4.56	-3.36	-2.14	-1.11	-0.36	0.07	0.17	-0.01	-0.4	-0.94	-1.62	-2.53
-75	-11.1	-10.7	-10.1	-9.3	-8.49	-7.63	-6.74	-5.84	-4.99	-4.26	-3.71	-3.35	-3.2	-3.24	-3.44	-3.74	-4.09	-4.46	-4.8	-5.1	-5.33	-5.45	-5.41	-5.11	-4.52	-3.68	-2.73	-1.84	-1.13	-0.68	-0.5	-0.6	-0.93	-1.46	-2.18	-3.18
-70	-14.1	-13.6	-12.2	-10.5	-8.86	-7.41	-6.14	-5.03	-4.12	-3.4	-2.89	-2.6	-2.52	-2.6	-2.82	-3.11	-3.41	-3.7	-3.95	-4.17	-4.35	-4.49	-4.56	-4.51	-4.29	-3.87	-3.3	-2.67	-2.11	-1.72	-1.55	-1.63	-1.95	-2.51	-3.32	-4.45
-65	-18.1	-18.9	-15.7	-12.2	-9.56	-7.48	-5.84	-4.55	-3.56	-2.84	-2.38	-2.15	-2.12	-2.25	-2.49	-2.76	-3.01	-3.21	-3.35	-3.46	-3.59	-3.73	-3.9	-4.06	-4.15	-4.12	-3.94	-3.64	-3.31	-3.07	-2.98	-3.13	-3.53	-4.21	-5.22	-6.64
-60	-18.1	-28	-21.9	-14.6	-10.6	-7.88	-5.9	-4.43	-3.36	-2.62	-2.17	-1.97	-1.99	-2.16	-2.43	-2.71	-2.95	-3.09	-3.17	-3.22	-3.31	-3.46	-3.69	-3.99	-4.3	-4.56	-4.7	-4.71	-4.65	-4.61	-4.71	-5.03	-5.63	-6.58	-7.96	-9.9
-55	-14.2	-19.8	-28.4	-17.4	-11.9	-8.57	-6.27	-4.63	-3.47	-2.69	-2.24	-2.06	-2.1	-2.32	-2.65	-3	-3.29	-3.47	-3.55	-3.58	-3.64	-3.78	-4.02	-4.36	-4.76	-5.14	-5.46	-5.68	-5.83	-6.01	-6.33	-6.88	-7.74	-8.97	-10.6	-12.7
-50	-11.3	-14.7	-19.7	-18.6	-13.2	-9.45	-6.91	-5.12	-3.88	-3.06	-2.59	-2.41	-2.49	-2.78	-3.21	-3.69	-4.12	-4.43	-4.57	-4.6	-4.6	-4.65	-4.78	-5	-5.29	-5.6	-5.88	-6.12	-6.36	-6.65	-7.07	-7.7	-8.56	-9.58	-10.6	-11.4
-45	-9.52	-12	-15.2	-16.8	-13.8	-10.3	-7.73	-5.88	-4.59	-3.74	-3.25	-3.09	-3.22	-3.6	-4.18	-4.87	-5.55	-6.06	-6.29	-6.25	-6.05	-5.83	-5.66	-5.57	-5.57	-5.63	-5.74	-5.87	-6.06	-6.33	-6.71	-7.21	-7.8	-8.38	-8.83	-9.05
-40	-8.5	-10.4	-12.7	-14.3	-13.4	-11	-8.65	-6.89	-5.62	-4.78	-4.32	-4.2	-4.41	-4.92	-5.7	-6.67	-7.69	-8.45	-8.68	-8.33	-7.65	-6.93	-6.3	-5.84	-5.53	-5.35	-5.29	-5.33	-5.45	-5.67	-5.97	-6.35	-6.76	-7.17	-7.52	-7.77
-35	-8.01	-9.51	-11.2	-12.5	-12.5	-11.3	-9.6	-8.14	-7.02	-6.28	-5.9	-5.88	-6.21	-6.9	-7.95	-9.3	-10.7	-11.7	-11.5	-10.3	-8.92	-7.67	-6.68	-5.96	-5.46	-5.16	-5.01	-4.98	-5.07	-5.24	-5.5	-5.83	-6.22	-6.65	-7.1	-7.54
-30	-7.83	-8.98	-10.2	-11.2	-11.7	-11.3	-10.5	-9.61	-8.84	-8.33	-8.14	-8.3	-8.84	-9.82	-11.3	-13.2	-15	-15.4	-13.8	-11.6	-9.65	-8.15	-7.03	-6.22	-5.66	-5.31	-5.11	-5.06	-5.11	-5.27	-5.52	-5.87	-6.31	-6.85	-7.48	-8.18
-25	-7.8	-8.68	-9.59	-10.4	-11.1	-11.4	-11.4	-11.2	-11	-11	-11.2	-11.7	-12.7	-14.2	-16.4	-19	-19.8	-17.3	-14.3	-11.8	-9.91	-8.49	-7.44	-6.67	-6.12	-5.76	-5.56	-5.49	-5.54	-5.72	-6.01	-6.42	-6.98	-7.67	-8.51	-9.51
-20	-7.83	-8.52	-9.24	-9.97	-10.7	-11.4	-12	-12.6	-13.2	-14	-15	-16.3	-18.2	-20.7	-22.9	-21.8	-18.4	-15.4	-13	-11.2	-9.7	-8.58	-7.71	-7.05	-6.58	-6.27	-6.11	-6.08	-6.18	-6.41	-6.78	-7.3	-7.99	-8.85	-9.91	-11.2
-15	-7.91	-8.46	-9.07	-9.74	-10.5	-11.3	-12.2	-13.2	-14.4	-15.8	-17.3	-18.9	-20.1	-19.9	-18.4	-16.4	-14.4	-12.7	-11.3	-10.1	-9.08	-8.28	-7.65	-7.17	-6.83	-6.62	-6.54	-6.59	-6.77	-7.08	-7.54	-8.14	-8.91	-9.85	-11	-12.3
-10	-8.1	-8.56	-9.1	-9.71	-10.4	-11.2	-12.1	-13	-14	-14.9	-15.7	-16	-15.8	-15.1	-14	-12.9	-11.8	-10.8	-9.87	-9.09	-8.43	-7.9	-7.47	-7.16	-6.96	-6.86	-6.87	-6.98	-7.21	-7.54	-7.99	-8.55	-9.23	-10	-10.9	-11.8
-5	-8.56	-8.97	-9.45	-9.98	-10.6	-11.2	-11.8	-12.5	-13	-13.4	-13.5	-13.4	-13	-12.4	-11.8	-11.1	-10.4	-9.73	-9.15	-8.64	-8.21	-7.85	-7.58	-7.38	-7.26	-7.21	-7.24	-7.34	-7.51	-7.76	-8.07	-8.44	-8.87	-9.35	-9.86	-10.4
0	-9.46	-9.86	-10.3	-10.7	-11.2	-11.6	-11.9	-12.2	-12.4	-12.4	-12.3	-12.1	-11.8	-11.4	-11	-10.6	-10.1	-9.71	-9.32	-8.96	-8.65	-8.37	-8.13	-7.94	-7.79	-7.69	-7.63	-7.62	-7.65	-7.72	-7.84	-8	-8.21	-8.46	-8.76	-9.09
5	-10.9	-11.4	-11.8	-12.1	-12.4	-12.6	-12.6	-12.6	-12.6	-12.5	-12.4	-12.2	-12.1	-11.9	-11.6	-11.3	-11	-10.7	-10.3	-9.9	-9.51	-9.13	-8.77	-8.45	-8.15	-7.9	-7.7	-7.54	-7.43	-7.38	-7.38	-7.43	-7.54	-7.71	-7.93	-8.22
10	-12.7	-13.5	-14	-14.4	-14.4	-14.3	-14.2	-14	-13.9	-13.8	-13.8	-13.9	-13.8	-13.7	-13.5	-13.1	-12.5	-11.8	-11.1	-10.4	-9.72	-9.1	-8.54	-8.05	-7.64	-7.31	-7.05	-6.86	-6.74	-6.69	-6.7	-6.78	-6.92	-7.12	-7.38	-7.71
15	-13.7	-15.1	-16.3	-17.1	-17.3	-17.2	-17	-16.9	-16.9	-17.1	-17.3	-17.4	-17.2	-16.4	-15.3	-14	-12.7	-11.4	-10.3	-9.34	-8.5	-7.8	-7.21	-6.73	-6.35	-6.07	-5.88	-5.77	-5.74	-5.78	-5.89	-6.07	-6.31	-6.62	-6.99	-7.42
20	-12.6	-14.3	-16	-17.6	-19	-20	-20.9	-21.9	-23.3	-24.8	-25.1	-22.9	-19.8	-16.9	-14.6	-12.7	-11.1	-9.75	-8.64	-7.71	-6.94	-6.3	-5.79	-5.38	-5.08	-4.87	-4.76	-4.72	-4.77	-4.9	-5.1	-5.38	-5.72	-6.14	-6.64	-7.2
25	-10.6	-11.9	-13.2	-14.6	-16	-17.4	-19.1	-21.4	-24.8	-29.5	-27.7	-22.2	-18.2	-15.3	-13.1	-11.3	-9.82	-8.6	-7.59	-6.73	-6.02	-5.42	-4.94	-4.57	-4.3	-4.12	-4.03	-4.02	-4.1	-4.26	-4.49	-4.8	-5.2	-5.7	-6.29	-7
30	-8.94	-9.73	-10.6	-11.4	-12.3	-13.2	-14.3	-15.7	-17.3	-18.8	-19.6	-18.7	-16.8	-14.6	-12.7	-11.1	-9.71	-8.51	-7.48	-6.59	-5.83	-5.19	-4.68	-4.28	-3.99	-3.81	-3.72	-3.72	-3.8	-3.95	-4.16	-4.46	-4.85	-5.36	-6.01	-6.83
35	-7.97	-8.37	-8.78	-9.22	-9.74	-10.4	-11.1	-12.1	-13.2	-14.5	-15.6	-16.3	-16	-14.9	-13.4	-11.8	-10.3	-8.98	-7.77	-6.7	-5.79	-5.04	-4.45	-4.02	-3.75	-3.6	-3.58	-3.63	-3.76	-3.92	-4.13	-4.39	-4.74	-5.23	-5.9	-6.81
40	-7.91	-7.99	-8.06	-8.19	-8.42	-8.77	-9.26	-9.89	-10.7	-11.5	-12.5	-13.3	-13.7	-13.6	-12.8	-11.5	-10	-8.53	-7.17	-5.97	-4.96	-4.16	-3.56	-3.18	-3	-2.99	-3.14	-3.39	-3.69	-4	-4.29	-4.58	-4.93	-5.4	-6.09	-7.09
45	-9.01	-8.8	-8.54	-8.33	-8.22	-8.2	-8.29	-8.48	-8.76	-9.14	-9.58	-10	-10.3	-10.4	-9.96	-9.13	-7.98	-6.71	-5.46	-4.34	-3.38	-2.63	-2.11	-1.81	-1.74	-1.89	-2.24	-2.74	-3.32	-3.92	-4.46	-4.93	-5.39	-5.93	-6.69	-7.83
50	-11.6	-11.3	-10.6	-9.85	-9.11	-8.44	-7.89	-7.47	-7.22	-7.15	-7.23	-7.42	-7.61	-7.67	-7.44	-6.87	-6	-4.95	-3.86	-2.85	-1.98	-1.29	-0.81	-0.56	-0.54	-0.77	-1.23	-1.89	-2.7	-3.59	-4.48	-5.28	-6.02	-6.79	-7.76	-9.17
55	-14.9	-16.3	-15.4	-13.3	-11	-9.13	-7.68	-6.64	-5.97	-5.64	-5.58	-5.73	-5.97	-6.15	-6.09	-5.7	-5	-4.08	-3.1	-2.14	-1.3	-0.62	-0.14	0.12	0.14	-0.08	-0.54	-1.24	-2.15	-3.22	-4.36	-5.52	-6.67	-7.86	-9.27	-11.2
60	-12.8	-17.6	-27.9	-19.8	-13.3	-9.69	-7.39	-5.91	-5.04	-4.65	-4.64	-4.93	-5.37	-5.79	-5.98	-5.77	-5.19	-4.33	-3.37	-2.42	-1.55	-0.83	-0.29	0.03	0.12	-0.03	-0.44	-1.1	-1.99	-3.09	-4.36	-5.75	-7.24	-8.9	-10.9	-13.7
65	-8.69	-11.9	-17.6	-23.4	-14.6	-9.81	-7.02	-5.35	-4.45	-4.14	-4.33	-4.91	-5.74	-6.6	-7.18	-7.23	-6.72	-5.85	-4.83	-3.79	-2.83	-2	-1.34	-0.9	-0.68	-0.72	-1.02	-1.59	-2.41	-3.46	-4.72	-6.16	-7.78	-9.65	-11.9	-14.8
70	-6.09	-8.56	-12.6	-18.6	-15.1	-9.86	-6.79	-5.04	-4.19	-4.05	-4.52	-5.54	-7	-8.68	-10.1	-10.6	-10	-8.96	-7.73	-6.5	-5.33	-4.28	-3.4	-2.73	-2.33	-2.2	-2.36	-2.8	-3.51	-4.47	-5.64	-6.96	-8.42	-9.99	-11.7	-13.2
75	-4.63	-6.87	-10.6	-17.5	-17	-10.4	-6.88	-5.04	-4.24	-4.28	-5.06	-6.58	-8.9	-12.1	-15.9	-17.9	-16.5	-14.5	-12.7	-11.1	-9.47	-7.96	-6.63	-5.59	-4.86	-4.48	-4.45	-4.74	-5.33	-6.16	-7.15	-8.21	-9.21	-10.1	-10.7	-11.1
80	-3.87	-5.99	-9.66	-17.7	-21.9	-11.3	-7.26	-5.3	-4.55	-4.71	-5.71	-7.58	-10.5	-14.9	-22.2	-28.1	-22.4	-20.1	-19.4	-18.6	-16.4	-13.7	-11.3	-9.46	-8.18	-7.4	-7.08	-7.14	-7.54	-8.18	-8.92	-9.6	-10	-10.2	-9.99	-9.66
85	-3.44	-5.39	-8.67	-14.7	-18.8	-11.5	-7.6	-5.71	-5.03	-5.26	-6.29	-8.08	-10.5	-13.3	-15.2	-15.7	-15.9	-16.7	-18.9	-23.8	-33.7	-22.3	-16.6	-13.4	-11.3	-9.96	-9.2	-8.86	-8.88	-9.2	-9.71	-10.3	-10.6	-10.4	-9.86	-9.14
90	-3.14	-4.79	-7.33	-10.7	-12.3	-9.93	-7.45	-6.03	-5.55	-5.84	-6.75	-8.12	-9.67	-11	-12	-12.7	-13.7	-15.3	-17.8	-21.9	-26.4	-22.5	-17.8	-14.7	-12.5	-10.9	-9.64	-8.78	-8.32	-8.28	-8.7	-9.52	-10.5	-11	-10.6	-9.65
95	-2.92	-4.29	-6.12	-7.95	-8.63	-7.81	-6.68	-5.99	-5.88	-6.3	-7.1	-8.09	-9.08	-10	-11	-12.2	-13.8	-16.1	-18.8	-20.8	-20.2	-18.2	-16.4	-14.7	-13	-11.2	-9.44	-8.02	-7.08	-6.73	-7.03	-8.03	-9.71	-11.7	-12.5	-11.5
100	-2.83	-4.06	-5.45	-6.47	-6.61	-6.13	-5.64	-5.5	-5.78	-6.39	-7.19	-7.99	-8.75	-9.53	-10.5	-11.7	-13	-14.1	-14.6	-14.4	-14	-13.9	-14.3	-15	-14.8	-12.7	-9.91	-7.68	-6.21	-5.51	-5.61	-6.55	-8.48	-11.6	-15.5	-15.5
105	-2.9	-4.21	-5.44	-6	-5.7	-5.1	-4.72	-4.75	-5.17	-5.88	-6.67	-7.39	-7.98	-8.48	-8.95	-9.34	-9.53	-9.48	-9.29	-9.15	-9.27	-9.9	-11.4	-14.2	-18.4	-16.5	-11.3	-7.83	-5.75	-4.71	-4.56	-5.31	-7.1	-10.4	-16.6	-26.8
110	-3	-4.62	-6.03	-6.35	-5.6	-4.66	-4.09	-3.99	-4.3	-4.89	-5.55	-6.12	-6.49	-6.67	-6.68	-6.55	-6.33	-6.09	-5.93	-5.96	-6.32	-7.18	-8.84	-12	-19.3	-24.3	-12.6	-7.97	-5.45	-4.16	-3.81	-4.34	-5.83	-8.57	-13.4	-22.5
115	-3.02	-5.06	-7	-7.37	-6.13	-4.72	-3.8	-3.43	-3.49	-3.84	-4.29	-4.68	-4.9	-4.93	-4.8	-4.58	-4.34	-4.17	-4.15	-4.34	-4.86	-5.85	-7.57	-10.6	-16.5	-20.8	-12.2	-7.65	-5.11	-3.76	-3.31	-3.68	-4.89	-7.1	-10.6	-15.4
120	-2.9	-5.33	-8.03	-8.88	-7.14	-5.17	-3.85	-3.16	-2.96	-3.07	-3.33	-3.59	-3.76	-3.8	-3.73	-3.61	-3.51	-3.52	-3.68	-4.09	-4.82	-6.02	-7.94	-11.1	-15.9	-16	-10.6	-6.96	-4.73	-3.5	-3.06	-3.35	-4.39	-6.27	-9.19	-13
125	-2.78	-5.43	-8.84	-10.7	-8.54	-5.97	-4.25	-3.27	-2.82	-2.74	-2.87	-3.08	-3.28	-3.42	-3.51	-3.6	-3.75	-4.02	-4.5	-5.26	-6.42	-8.14	-10.8	-14.8	-17.7	-13.3	-8.98	-6.17	-4.38	-3.37	-3.03	-3.33	-4.3	-6.04	-8.74	-12.7
130	-2.79	-5.54	-9.39	-12.5	-10.3	-7.1	-5.01	-3.78	-3.14	-2.92	-2.98	-3.18	-3.46	-3.76	-4.08	-4.46	-4.96	-5.66	-6.67	-8.14	-10.3	-13.8	-20.6	-25.4	-15.2	-10.3	-7.31	-5.32	-4.04	-3.34	-3.18	-3.55	-4.51	-6.16	-8.77	-13
135	-3.04	-5.82	-9.82	-14.1	-12.2	-8.58	-6.17	-4.74	-3.96	-3.64	-3.64	-3.86	-4.22	-4.68	-5.22	-5.87	-6.71	-7.81	-9.32	-11.4	-14.1	-16.6	-15.5	-12.2	-9.36	-7.18	-5.57	-4.42	-3.68	-3.34	-3.39	-3.87	-4.81	-6.33	-8.62	-12.1
140	-3.6	-6.35	-10.3	-15.2	-14.5	-10.5	-7.8	-6.18	-5.27	-4.85	-4.78	-4.95	-5.27	-5.7	-6.18	-6.69	-7.23	-7.77	-8.26	-8.56	-8.53	-8.1	-7.34	-6.43	-5.51	-4.71	-4.07	-3.63	-3.4	-3.41	-3.68	-4.24	-5.12	-6.38	-8.07	-10.2
145	-4.46	-7.17	-11	-16	-16.9	-12.9	-9.92	-8.08	-6.98	-6.35	-6.04	-5.93	-5.9	-5.87	-5.8	-5.65	-5.44	-5.18	-4.9	-4.61	-4.31	-4.02	-3.75	-3.51	-3.32	-3.2	-3.16	-3.22	-3.4	-3.71	-4.16	-4.77	-5.56	-6.51	-7.61	-8.72
150	-5.65	-8.3	-11.9	-16.8	-19.6	-15.8	-12.4	-10.2	-8.7	-7.64	-6.84	-6.17	-5.56	-4.97	-4.39	-3.85	-3.34	-2.91	-2.56	-2.29	-2.12	-2.05	-2.07	-2.17	-2.37	-2.64	-2.99	-3.42	-3.91	-4.46	-5.07	-5.72	-6.41	-7.1	-7.76	-8.29
155	-7.19	-9.8	-13.3	-18.2	-22.6	-18.8	-14.6	-11.8	-9.79	-8.2	-6.89	-5.77	-4.8	-3.96	-3.22	-2.6	-2.1	-1.72	-1.45	-1.32	-1.3	-1.41	-1.64	-1.99	-2.45	-3	-3.64	-4.35	-5.1	-5.88	-6.64	-7.35	-7.98	-8.49	-8.85	-9.02
160	-9.17	-11.9	-15.6	-21.1	-26.3	-20.2	-15.5	-12.3	-10	-8.23	-6.74	-5.5	-4.46	-3.59	-2.87	-2.31	-1.89	-1.61	-1.46	-1.45	-1.58	-1.84	-2.24	-2.77	-3.43	-4.21	-5.1	-6.08	-7.11	-8.15	-9.13	-9.99	-10.6	-11	-11.1	-11
165	-11.8	-15.1	-19.8	-28.2	-25.1	-18.5	-14.6	-11.9	-9.9	-8.25	-6.89	-5.76	-4.83	-4.06	-3.45	-2.99	-2.68	-2.5	-2.46	-2.56	-2.8	-3.17	-3.69	-4.36	-5.17	-6.13	-7.23	-8.48	-9.84	-11.3	-12.8	-14.1	-15	-15.4	-15.1	-14.3
170	-15.7	-20.7	-31.5	-27.2	-19.5	-15.6	-13	-11	-9.49	-8.23	-7.19	-6.33	-5.62	-5.05	-4.61	-4.29	-4.1	-4.02	-4.07	-4.23	-4.52	-4.93	-5.47	-6.14	-6.95	-7.91	-9.04	-10.4	-11.9	-13.7	-15.8	-18.4	-21.4	-23.7	-22.8	-19.9
175	-22.2	-35.4	-25.7	-19	-15.4	-12.9	-11.1	-9.71	-8.58	-7.66	-6.91	-6.3	-5.8	-5.41	-5.12	-4.92	-4.81	-4.78	-4.83	-4.97	-5.18	-5.48	-5.87	-6.35	-6.92	-7.6	-8.4	-9.34	-10.5	-11.8	-13.4	-15.5	-18.3	-22.6	-31.7	-32.2
180	-31.8	-23.5	-18.3	-15	-12.7	-10.9	-9.44	-8.27	-7.3	-6.48	-5.79	-5.22	-4.74	-4.35	-4.04	-3.81	-3.64	-3.55	-3.52	-3.56	-3.66	-3.83	-4.07	-4.39	-4.79	-5.28	-5.87	-6.57	-7.4	-8.4	-9.6	-11.1	-12.9	-15.3	-18.8	-24.4

ANT1 (2G0) @2462 MHz



EH - 2412 MHz

Azimuth (Phi°)

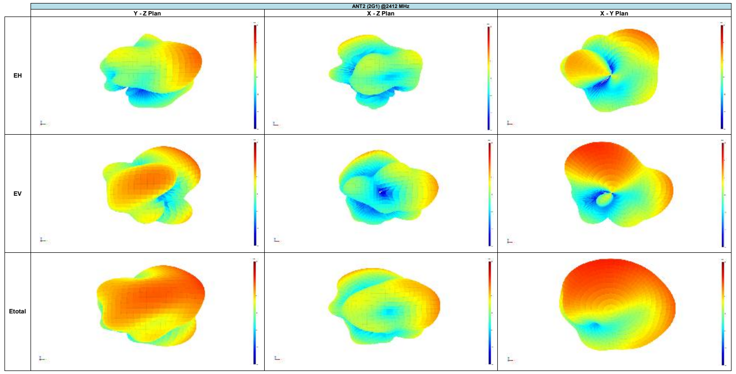
Elevation (Theta°)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
-180	-16.42	-14.59	-13.05	-11.77	-10.69	-9.77	-8.99	-8.34	-7.78	-7.32	-6.94	-6.64	-6.41	-6.25	-6.15	-6.12	-6.16	-6.26	-6.42	-6.66	-6.97	-7.35	-7.82	-8.38	-9.05	-9.83	-10.8	-11.9	-13.2	-14.71	-16.57	-18.73	-20.88	-21.88	-20.75	-18.57
-175	-17.38	-15.69	-14	-12.49	-11.18	-10.07	-9.13	-8.34	-7.69	-7.15	-6.73	-6.4	-6.17	-6.03	-5.98	-6.01	-6.12	-6.32	-6.6	-6.97	-7.43	-7.99	-8.65	-9.43	-10.35	-11.43	-12.7	-14.3	-16.1	-18.56	-21.8	-26.24	-29.04	-25.02	-20.98	-18.07
-170	-17.93	-17.34	-15.72	-13.86	-12.15	-10.7	-9.48	-8.49	-7.68	-7.04	-6.54	-6.18	-5.95	-5.83	-5.82	-5.91	-6.11	-6.42	-6.83	-7.35	-7.99	-8.76	-9.66	-10.73	-11.99	-13.47	-15.2	-17.4	-20.2	-24.18	-31.04	-40.41	-28.3	-23.2	-20.02	-17.69
-165	-16.92	-18.68	-18.21	-15.97	-13.6	-11.61	-10	-8.8	-7.83	-7.1	-6.55	-6.18	-5.95	-5.86	-5.89	-6.04	-6.32	-6.71	-7.23	-7.88	-8.69	-9.67	-10.85	-12.28	-14.03	-16.21	-19	-22.8	-28.4	-33.68	-28.6	-24.47	-21.91	-20.12	-18.69	-17.4
-160	-15.07	-18.47	-20.97	-18.77	-15.32	-12.64	-10.7	-9.23	-8.17	-7.4	-6.86	-6.52	-6.34	-6.3	-6.38	-6.58	-6.89	-7.32	-7.88	-8.58	-9.45	-10.53	-11.86	-13.53	-15.67	-18.53	-22.6	-28.7	-30.6	-25.05	-21.62	-19.6	-18.4	-17.73	-17.37	-17.09
-155	-13.71	-17.59	-22.9	-21.71	-16.75	-13.43	-11.2	-9.71	-8.67	-7.98	-7.54	-7.31	-7.24	-7.29	-7.45	-7.68	-8	-8.39	-8.87	-9.45	-10.17	-11.03	-12.08	-13.35	-14.84	-16.51	-18.2	-19.3	-19.3	-18.48	-17.47	-16.64	-16.15	-16.03	-16.27	-16.75
-150	-13.37	-17.55	-24.3	-22.95	-17.09	-13.68	-11.6	-10.2	-9.37	-8.9	-8.7	-8.71	-8.85	-9.08	-9.34	-9.61	-9.86	-10.11	-10.35	-10.6	-10.88	-11.2	-11.58	-12.01	-12.5	-13.02	-13.6	-14	-14.3	-14.51	-14.54	-14.54	-14.62	-14.92	-15.53	-16.55
-145	-14.25	-18.93	-25.12	-20.98	-16.2	-13.41	-11.7	-10.8	-10.3	-10.3	-10.5	-11	-11.6	-12.2	-12.6	-12.9	-13.03	-12.94	-12.71	-12.38	-12	-11.6	-11.23	-10.94	-10.77	-10.74	-10.9	-11.1	-11.6	-12.05	-12.6	-13.14	-13.71	-14.37	-15.26	-16.57
-140	-16.32	-20.7	-21.4	-17.59	-14.66	-12.87	-11.9	-11.6	-11.8	-12.5	-13.6	-15	-16.6	-18.1	-18.9	-19	-18.46	-17.63	-16.6	-15.43	-14.17	-12.94	-11.83	-10.92	-10.26	-9.85	-9.72	-9.85	-10.2	-10.86	-11.64	-12.53	-13.45	-14.38	-15.39	-16.65
-135	-18.02	-18.56	-16.66	-14.55	-13.1	-12.36	-12.3	-12.8	-14.1	-16.1	-19.2	-23.5	-26.3	-23.4	-20.5	-18.9	-18.27	-18.24	-18.48	-18.38	-17.4	-15.74	-13.96	-12.43	-11.26	-10.48	-10.1	-10	-10.3	-10.91	-11.77	-12.8	-13.85	-14.79	-15.52	-16.11
-130	-16.38	-14.89	-13.44	-12.42	-11.98	-12.14	-13	-14.7	-17.5	-22.3	-26.2	-20.9	-16.8	-14.3	-12.9	-12.1	-11.95	-12.3	-13.16	-14.5	-16.16	-17.54	-17.54	-16.17	-14.51	-13.19	-12.3	-11.9	-12	-12.34	-12.99	-13.77	-14.46	-14.83	-14.79	-14.45
-125	-13.98	-12.56	-11.65	-11.29	-11.51	-12.41	-14.1	-17	-21.1	-21.5	-17	-13.5	-11.2	-9.69	-8.74	-8.23	-8.12	-8.38	-9	-10.03	-11.51	-13.56	-16.32	-19.76	-22.23	-20.93	-18.5	-16.6	-15.5	-14.79	-14.42	-14.18	-13.92	-13.51	-12.94	-12.24
-120	-12.75	-11.58	-11.03	-11.07	-11.74	-13.16	-15.4	-18.1	-18.3	-15.2	-12.2	-9.9	-8.28	-7.17	-6.45	-6.06	-5.96	-6.13	-6.57	-7.3	-8.35	-9.79	-11.74	-14.41	-18.18	-23.23	-24	-19.6	-16.5	-14.46	-13.14	-12.27	-11.69	-11.23	-10.78	-10.23
-115	-12.39	-11.45	-11.12	-11.39	-12.27	-13.74	-15.4	-15.9	-14.1	-11.7	-9.53	-7.89	-6.69	-5.85	-5.32	-5.03	-4.97	-5.1	-5.42	-5.95	-6.69	-7.66	-8.88	-10.32	-11.83	-13.04	-13.4	-12.8	-11.7	-10.71	-9.93	-9.43	-9.17	-9.06	-8.96	-8.72
-110	-11.5	-10.97	-10.87	-11.22	-11.96	-12.89	-13.4	-12.8	-11.3	-9.58	-8.05	-6.86	-5.98	-5.39	-5.04	-4.89	-4.91	-5.06	-5.34	-5.74	-6.26	-6.88	-7.59	-8.32	-8.92	-9.23	-9.16	-8.77	-8.22	-7.71	-7.35	-7.18	-7.23	-7.43	-7.67	-7.76
-105	-9.06	-9.07	-9.28	-9.72	-10.32	-10.89	-11.1	-10.6	-9.63	-8.44	-7.35	-6.48	-5.87	-5.5	-5.36	-5.4	-5.58	-5.85	-6.18	-6.54	-6.91	-7.28	-7.59	-7.81	-7.85	-7.68	-7.32	-6.85	-6.38	-6	-5.79	-5.79	-5.99	-6.38	-6.87	-7.25
-100	-6.31	-6.68	-7.18	-7.79	-8.48	-9.12	-9.51	-9.42	-8.85	-8.03	-7.19	-6.51	-6.05	-5.84	-5.86	-6.1	-6.5	-7.01	-7.55	-8.05	-8.43	-8.65	-8.68	-8.51	-8.13	-7.6	-6.97	-6.34	-5.79	-5.38	-5.16	-5.16	-5.39	-5.83	-6.43	-7.02
-95	-4.28	-4.89	-5.62	-6.45	-7.35	-8.22	-8.9	-9.17	-8.91	-8.25	-7.46	-6.75	-6.24	-5.99	-6	-6.28	-6.79	-7.49	-8.3	-9.13	-9.82	-10.25	-10.31	-10	-9.39	-8.6	-7.73	-6.89	-6.17	-5.61	-5.26	-5.14	-5.25	-5.61	-6.17	-6.82
-90	-3.25	-4.07	-5.03	-6.1	-7.23	-8.38	-9.39	-9.98	-9.87	-9.11	-8.06	-7.05	-6.26	-5.76	-5.56	-5.65	-6.01	-6.62	-7.43	-8.37	-9.33	-10.17	-10.73	-10.86	-10.54	-9.84	-8.93	-7.97	-7.06	-6.31	-5.74	-5.4	-5.3	-5.45	-5.84	-6.38
-85	-3.31	-4.39	-5.62	-6.96	-8.36	-9.81	-11.2	-12.1	-12	-10.7	-8.96	-7.41	-6.2	-5.36	-4.88	-4.73	-4.87	-5.27	-5.89	-6.68	-7.54	-8.38	-9.08	-9.53	-9.66	-9.44	-8.92	-8.19	-7.38	-6.6	-5.94	-5.44	-5.16	-5.1	-5.27	-5.62
-80	-4.68	-6.17	-7.82	-9.49	-11.12	-12.81	-14.7	-16.4	-15.8	-13.1	-10.2	-7.93	-6.26	-5.1	-4.38	-4.03	-4	-4.25	-4.71	-5.33	-6.01	-6.65	-7.15	-7.44	-7.5	-7.38	-7.1	-6.71	-6.23	-5.73	-5.25	-4.85	-4.58	-4.46	-4.51	-4.7
-75	-8	-10.48	-13.02	-14.72	-15.39	-16.13	-18.2	-22.8	-24.3	-16.6	-11.8	-8.71	-6.59	-5.15	-4.24	-3.74	-3.59	-3.73	-4.1	-4.62	-5.17	-5.62	-5.88	-5.89	-5.7	-5.41	-5.07	-4.75	-4.46	-4.2	-3.98	-3.81	-3.71	-3.69	-3.75	-3.88
-70	-15.2	-25.28	-23.19	-16.45	-13.96	-13.44	-14.6	-18.1	-28.9	-21.8	-13.9	-9.8	-7.22	-5.53	-4.44	-3.83	-3.6	-3.67	-3.99	-4.45	-4.92	-5.25	-5.32	-5.09	-4.66	-4.15	-3.68	-3.3	-3.03	-2.86	-2.8	-2.82	-2.9	-3.02	-3.18	-3.32
-65	-13.6	-13.23	-11.39	-9.93	-9.27	-9.48	-10.7	-13.3	-18.7	-26.9	-16.5	-11.2	-8.12	-6.18	-4.94	-4.23	-3.92	-3.94	-4.23	-4.66	-5.12	-5.39	-5.34	-4.94	-4.31	-3.63	-3.02	-2.55	-2.23	-2.07	-2.06	-2.17	-2.38	-2.63	-2.89	-3.08
-60	-6.75	-6.6	-6.29	-6.12	-6.3	-7.01	-8.42	-10.9	-15.2	-24.6	-19.6	-12.8	-9.23	-7.05	-5.68	-4.87	-4.5	-4.48	-4.73	-5.15	-5.61	-5.88	-5.8	-5.31	-4.57	-3.76	-3.03	-2.46	-2.08	-1.88	-1.86	-2	-2.26	-2.59	-2.92	-3.18
-55	-3.32	-3.5	-3.7	-4.04	-4.66	-5.69	-7.28	-9.75	-13.8	-22	-23.3	-14.6	-10.5	-8.13	-6.65	-5.77	-5.34	-5.26	-5.46	-5.86	-6.31	-6.61	-6.55	-6.08	-5.3	-4.43	-3.63	-2.98	-2.52	-2.26	-2.19	-2.3	-2.55	-2.9	-3.27	-3.57
-50	-1.51	-1.91	-2.39	-3.04	-3.93	-5.19	-6.95	-9.49	-13.4	-21	-28	-16.4	-12	-9.44	-7.89	-6.95	-6.46	-6.32	-6.45	-6.78	-7.18	-7.49	-7.49	-7.11	-6.39	-5.54	-4.71	-4.01	-3.48	-3.14	-3	-3.03	-3.23	-3.53	-3.88	-4.18
-45	-0.68	-1.22	-1.89	-2.74	-3.83	-5.27	-7.17	-9.81	-13.7	-20.9	-33.7	-18.3	-13.6	-11	-9.35	-8.37	-7.83	-7.61	-7.65	-7.88	-8.19	-8.45	-8.51	-8.25	-7.69	-6.94	-6.15	-5.43	-4.84	-4.41	-4.17	-4.1	-4.19	-4.4	-4.67	-4.9
-40	-0.46	-1.11	-1.9	-2.89	-4.12	-5.67	-7.68	-10.4	-14.2	-20.9	-34.6	-20.1	-15.2	-12.5	-10.9	-9.85	-9.23	-8.93	-8.85	-8.95	-9.13	-9.33	-9.42	-9.31	-8.95	-8.38	-7.7	-7.01	-6.4	-5.9	-5.55	-5.35	-5.31	-5.37	-5.51	-5.62
-35	-0.58	-1.29	-2.15	-3.2	-4.49	-6.1	-8.12	-10.8	-14.4	-20.2	-29.4	-21.7	-16.6	-13.8	-12.1	-11	-10.26	-9.84	-9.64	-9.61	-9.69	-9.82	-9.94	-9.96	-9.82	-9.49	-9	-8.42	-7.84	-7.31	-6.87	-6.56	-6.37	-6.28	-6.25	-6.22
-30	-0.81	-1.52	-2.38	-3.43	-4.71	-6.27	-8.21	-10.7	-14	-18.8	-25.3	-22.6	-17.6	-14.7	-12.7	-11.5	-10.61	-10.06	-9.74	-9.61	-9.61	-9.7	-9.84	-9.95	-9.98	-9.88	-9.62	-9.23	-8.76	-8.28	-7.84	-7.46	-7.17	-6.94	-6.76	-6.59
-25	-0.98	-1.66	-2.48	-3.48	-4.69	-6.15	-7.94	-10.2	-13.1	-17	-22.2	-22.6	-18.2	-15.1	-13	-11.5	-10.48	-9.8	-9.36	-9.12	-9.03	-9.06	-9.15	-9.28	-9.37	-9.4	-9.32	-9.13	-8.85	-8.51	-8.15	-7.8	-7.47	-7.18	-6.92	-6.67
-20	-1.1	-1.73	-2.5	-3.43	-4.56	-5.91	-7.56	-9.59	-12.2	-15.5	-19.8	-21.7	-18.6	-15.4	-13.1	-11.4	-10.26	-9.44	-8.86	-8.48	-8.26	-8.16	-8.14	-8.18	-8.22	-8.25	-8.24	-8.17	-8.03	-7.85	-7.62	-7.37	-7.11	-6.85	-6.61	-6.38
-15	-1.27	-1.85	-2.57	-3.45	-4.49	-5.74	-7.26	-9.11	-11.4	-14.3	-17.9	-20.5	-18.8	-15.8	-13.3	-11.5	-10.2	-9.2	-8.46	-7.91	-7.51	-7.24	-7.05	-6.93	-6.85	-6.79	-6.73	-6.67	-6.59	-6.48	-6.36	-6.23	-6.09	-5.95	-5.82	-5.7
-10	-1.59	-2.14	-2.81	-3.62	-4.58	-5.73	-7.11	-8.77	-10.8	-13.3	-16.4	-19.3	-19.2	-16.6	-14	-12	-10.4	-9.19	-8.24	-7.49	-6.89	-6.42	-6.04	-5.74	-5.5	-5.31	-5.16	-5.04	-4.94	-4.85	-4.78	-4.73	-4.69	-4.68	-4.69	-4.73
-5	-2.15	-2.65	-3.25	-3.97	-4.83	-5.85	-7.06	-8.51	-10.3	-12.4	-15.1	-18	-19.6	-18	-15.3	-12.9	-11.01	-9.51	-8.29	-7.3	-6.48	-5.8	-5.23	-4.75	-4.36	-4.04	-3.78	-3.57	-3.42	-3.31	-3.25	-3.24	-3.26	-3.34	-3.46	-3.63
0	-2.93	-3.34	-3.84	-4.44	-5.16	-6.01	-7.01	-8.21	-9.67	-11.5	-13.7	-16.5	-19.5	-20.2	-17.6	-14.6	-12.2	-10.27	-8.71	-7.42	-6.35	-5.45	-4.69	-4.05	-3.51	-3.07	-2.7	-2.42	-2.21	-2.06	-1.98	-1.97	-2.03	-2.15	-2.33	-2.59
5	-3.85	-4.14	-4.5	-4.93	-5.46	-6.09	-6.86	-7.79	-8.92	-10.3	-12.1	-14.5	-17.6	-21.4	-21.8	-17.9	-14.35	-11.68	-9.6	-7.94	-6.57	-5.43	-4.47	-3.67	-2.99	-2.43	-1.98	-1.61	-1.34	-1.16	-1.05	-1.03	-1.08	-1.22	-1.44	-1.75
10	-4.8	-4.92	-5.09	-5.33	-5.64	-6.04	-6.56	-7.21	-8.03	-9.08	-10.4	-12.2	-14.7	-18.4	-24.2	-24.8	-18.27	-14.04	-11.11	-8.91	-7.16	-5.74	-4.57	-3.6	-2.78	-2.11	-1.56	-1.13	-0.8	-0.57	-0.44	-0.39	-0.44	-0.59	-0.82	-1.16
15	-5.61	-5.56	-5.54	-5.57	-5.67	-5.85	-6.13	-6.52	-7.06	-7.79	-8.76	-10.1	-11.8	-14.4	-18.4	-27.1	-27.74	-18.03	-13.41	-10.37	-8.12	-6.36	-4.93	-3.77	-2.81	-2.03	-1.39	-0.88	-0.5	-0.23	-0.07	-0.01	-0.05	-0.2	-0.44	-0.8
20	-6.17	-5.97	-5.8	-5.66	-5.58	-5.55	-5.62	-5.79	-6.09	-6.56	-7.23	-8.16	-9.44	-11.2	-13.8	-17.9	-26.27	-25	-16.72	-12.33	-9.39	-7.2	-5.48	-4.1	-2.98	-2.06	-1.33	-0.75	-0.32	-0.01	0.17	0.24	0.2	0.04	-0.22	-0.6
25	-6.42	-6.16	-5.89	-5.62	-5.38	-5.18	-5.06	-5.04	-5.15	-5.41	-5.87	-6.54	-7.48	-8.77	-10.5	-13.1	-16.78	-21.79	-19.95	-14.64	-10.9	-8.2	-6.13	-4.5	-3.19	-2.13	-1.29	-0.63	-0.14	0.2	0.41	0.48	0.43	0.25	-0.04	-0.45
30	-6.39	-6.14	-5.82	-5.45	-5.07	-4.72	-4.44	-4.26	-4.22	-4.33	-4.61	-5.08	-5.77	-6.72	-7.98	-9.65	-11.87	-14.72	-17.13	-15.82	-12.36	-9.3	-6.87	-4.95	-3.42	-2.19	-1.22	-0.48	0.08	0.46	0.68	0.75	0.69	0.5	0.19	-0.25
35	-6.12	-5.91	-5.56	-5.11	-4.61	-4.13	-3.73	-3.43	-3.27	-3.25	-3.39	-3.7	-4.17	-4.83	-5.71	-6.83	-8.26	-10.05	-12.07	-13.49	-12.72	-10.27	-7.71	-5.52	-3.75	-2.33	-1.22	-0.37	0.25	0.67	0.91	0.99	0.93	0.73	0.42	-0.02
40	-5.63	-5.46	-5.1	-4.58	-3.99	-3.41	-2.91	-2.52	-2.26	-2.14	-2.15	-2.3	-2.59	-3.02	-3.6	-4.36	-5.33	-6.57	-8.11	-9.81	-11	-10.5	-8.53	-6.27	-4.29	-2.68	-1.41	-0.46	0.24	0.7	0.96	1.04	0.98	0.78	0.48	0.06
45	-4.99	-4.85	-4.46	-3.89	-3.24	-2.6	-2.03	-1.57	-1.23	-1.01	-0.91	-0.93	-1.06	-1.31	-1.7	-2.24	-2.96	-3.93	-5.17	-6.72	-8.39	-9.5	-8.99	-7.16	-5.11	-3.34	-1.94	-0.88	-0.13	0.37	0.63	0.71	0.64	0.44	0.14	-0.23
50	-4.3	-4.16	-3.76	-3.17	-2.49	-1.81	-1.2	-0.67	-0.25	0.06	0.26	0.34	0.32	0.18	-0.1	-0.54	-1.15	-1.98	-3.08	-4.48	-6.16	-7.88	-8.76	-8	-6.23	-4.41	-2.9	-1.75	-0.95	-0.44	-0.19	-0.15	-0.27	-0.51	-0.82	-1.16
55	-3.68	-3.55	-3.15	-2.57	-1.88	-1.18	-0.51	0.08	0.58	0.97	1.26	1.42	1.46	1.36	1.12	0.71	0.12	-0.68	-1.72	-3.04	-4.65	-6.48	-8.08	-8.53	-7.49	-5.84	-4.3	-3.1	-2.27	-1.77	-1.57	-1.62	-1.89	-2.27	-2.7	-3.06
60	-3.27	-3.14	-2.77	-2.21	-1.52	-0.78	-0.06	0.62	1.2	1.68	2.03	2.23	2.29	2.18	1.91	1.46	0.83	-0.01	-1.06	-2.35	-3.89	-5.65	-7.44	-8.68	-8.63	-7.48	-6.05	-4.82	-3.94	-3.43	-3.29	-3.51	-4.05	-4.85	-5.74	-6.46
65	-3.16	-3.06	-2.73	-2.19	-1.48	-0.68	0.14	0.91	1.58	2.13	2.52	2.73	2.77	2.62	2.27	1.73	0.99	0.06	-1.05	-2.34	-3.8	-5.4	-7.07	-8.55	-9.29	-8.91	-7.77	-6.49	-5.45	-4.79	-4.56	-4.8	-5.57	-6.91	-8.92	-11.5
70	-3.4	-3.35	-3.08	-2.55	-1.78	-0.87	0.08	0.96	1.72	2.31	2.71	2.91	2.88	2.64	2.17	1.49	0.6	-0.46	-1.65	-2.91	-4.19	-5.47	-6.76	-8.05	-9.13	-9.49	-8.79	-7.45	-6.09	-5.06	-4.46	-4.36	-4.78	-5.82	-7.6	-10.45
75	-4.02	-4.05	-3.82	-3.25	-2.35	-1.27	-0.18	0.82	1.64	2.25	2.62	2.75	2.63	2.26	1.63	0.76	-0.32	-1.52	-2.73	-3.79	-4.63	-5.31	-6.03	-6.93	-7.99	-8.83	-8.71	-7.5	-5.91	-4.53	-3.57	-3.08	-3.07	-3.53	-4.49	-5.97
80	-4.95	-5.07	-4.85	-4.14	-3.02	-1.74	-0.51	0.56	1.39	1.97	2.27	2.3	2.04	1.49	0.65	-0.44	-1.7	-2.95	-3.9	-4.36	-4.43	-4.44	-4.68	-5.27	-6.22	-7.28	-7.76	-7.06	-5.59	-4.09	-2.93	-2.21	-1.92	-2.04	-2.56	-3.45
85	-6.01	-6.2	-5.86	-4.89	-3.52	-2.08	-0.79	0.26	1.03	1.51	1.69	1.57	1.12	0.36	-0.7	-2	-3.33	-4.26	-4.44	-4.01	-3.44	-3.08	-3.09	-3.53	-4.39	-5.51	-6.44	-6.49	-5.51	-4.16	-2.96	-2.11	-1.66	-1.59	-1.86	-2.45
90	-6.89	-7.01	-6.41	-5.16	-3.65	-2.2	-0.98	-0.04	0.6	0.93	0.93	0.62	-0.04	-1.03	-2.3	-3.67	-4.67	-4.75	-4.01	-3.02	-2.22	-1.77	-1.72	-2.1	-2.88	-3.97	-5.14	-5.86	-5.67	-4.76	-3.71	-2.85	-2.31	-2.11	-2.23	-2.62
95	-7.29	-7.19	-6.32	-4.96	-3.5	-2.18	-1.13	-0.37	0.08	0.22	0.02	-0.5	-1.38	-2.57	-3.93	-5.03	-5.23	-4.42	-3.19	-2.07	-1.26	-0.84	-0.8	-1.14	-1.84	-2.87	-4.1	-5.26	-5.89	-5.76	-5.12	-4.41	-3.88	-3.61	-3.6	-3.84
100	-7.29	-6.93	-5.95	-4.64	-3.35	-2.24	-1.39	-0.84	-0.59	-0.65	-1.05	-1.78	-2.85	-4.15	-5.36	-5.85	-5.22	-3.92	-2.59	-1.51	-0.78	-0.4	-0.37	-0.68	-1.32	-2.27	-3.48	-4.83	-6.07	-6.86	-7.03	-6.78	-6.41	-6.13	-6.02	-6.08
105	-7.25	-6.71	-5.72	-4.55	-3.46	-2.56	-1.91	-1.55	-1.49	-1.75	-2.33	-3.25	-4.46	-5.75	-6.6	-6.38	-5.21	-3.75	-2.44	-1.44	-0.78	-0.44	-0.41	-0.7	-1.28	-2.16	-3.32	-4.73	-6.31	-7.86	-9.11	-9.82	-9.98	-9.79	-9.49	-9.22
110	-7.5	-6.83	-5.89	-4.88	-3.97	-3.26	-2.8	-2.62	-2.73	-3.16	-3.93	-5.01	-6.31	-7.48	-7.84	-7.01	-5.53	-4.02	-2.76	-1.82	-1.2	-0.88	-0.86	-1.12	-1.67	-2.5	-3.62	-5.04	-6.75	-8.76	-10.97	-13.12	-14.52	-14.54	-13.57	-12.42
115	-8.23	-7.48	-6.59	-5.72	-4.98	-4.44	-4.15	-4.13	-4.41	-5.01	-5.94	-7.18	-8.53	-9.45	-9.2	-7.85	-6.17	-4.64	-3.42	-2.52	-1.92	-1.62	-1.6	-1.85	-2.38	-3.19	-4.29	-5.71	-7.5	-9.7	-12.45	-15.81	-19.01	-18.98	-16.37	-14.01
120	-9.53	-8.74	-7.92	-7.19	-6.6	-6.22	-6.08	-6.21	-6.64	-7.4	-8.5	-9.86	-11.1	-11.5	-10.5	-8.68	-6.89	-5.37	-4.19	-3.32	-2.75	-2.47	-2.45	-2.71	-3.24	-4.05	-5.16	-6.59	-8.37	-10.58	-13.34	-16.76	-20.22	-20.22	-17.26	-14.61
125	-11.47	-10.71	-10.01	-9.42	-8.99	-8.75	-8.74	-9	-9.56	-10.4	-11.6	-12.8	-13.4	-12.7	-11	-9.03	-7.3	-5.88	-4.77	-3.97	-3.44	-3.19	-3.19	-3.46	-4	-4.81	-5.89	-7.23	-8.85	-10.71	-12.79	-15.02	-17.12	-18.27	-17.61	-15.82
130	-13.99	-13.54	-13.13	-12.78	-12.52	-12.37	-12.4	-12.6	-13	-13.6	-14.2	-14.4	-13.6	-12.1	-10.4	-8.64	-7.16	-5.94	-4.97	-4.27	-3.81	-3.6	-3.63	-3.9	-4.42	-5.16	-6.1	-7.21	-8.4	-9.6	-10.78	-11.95	-13.22	-14.67	-16.14	-16.95
135	-16.69	-17.33	-17.94	-18.26	-18.06	-17.38	-16.5	-15.7	-15	-14.4	-13.8	-12.9	-11.7	-10.4	-9.06	-7.76	-6.6	-5.62	-4.82	-4.24	-3.86	-3.69	-3.74	-3.99	-4.43	-5.04	-5.76	-6.53	-7.27	-7.94	-8.56	-9.25	-10.15	-11.4	-13.18	-15.54
140	-18.45	-21.28	-26.18	-31.9	-25.02	-20.01	-16.9	-14.9	-13.4	-12.3	-11.4	-10.5	-9.6	-8.67	-7.71	-6.78	-5.91	-5.15	-4.53	-4.07	-3.77	-3.64	-3.69	-3.9	-4.24	-4.69	-5.19	-5.68	-6.11	-6.49	-6.88	-7.37	-8.08	-9.14	-10.7	-12.99
145	-18.58	-21.65	-25.39	-24.22	-19.8	-16.42	-14	-12.3	-11	-10.1	-9.26	-8.57	-7.91	-7.26	-6.59	-5.94	-5.31	-4.76	-4.29	-3.94	-3.72	-3.63	-3.68	-3.84	-4.1	-4.41	-4.74	-5.05	-5.32	-5.58	-5.88	-6.3	-6.93	-7.88	-9.26	-11.27
150	-17.93	-19.29	-19.47	-17.87	-15.58	-13.48	-11.8	-10.4	-9.35	-8.52	-7.84	-7.27	-6.76	-6.28	-5.81	-5.36	-4.93	-4.55	-4.23	-3.99	-3.85	-3.8	-3.84	-3.97	-4.16	-4.38	-4.6	-4.82	-5.02	-5.25	-5.54	-5.97	-6.59	-7.5	-8.81	-10.67
155	-17.24	-17.26	-16.46	-14.99	-13.32	-11.75	-10.4	-9.29	-8.38	-7.64	-7.04	-6.54	-6.12	-5.74	-5.4	-5.09	-4.81	-4.57	-4.38	-4.25	-4.18	-4.17	-4.23	-4.34	-4.49	-4.66	-4.84	-5.03	-5.24	-5.5	-5.84	-6.32	-7	-7.94	-9.26	-11.1
160	-16.64	-15.84	-14.7	-13.36	-12.02	-10.77	-9.66	-8.72	-7.92	-7.27	-6.72	-6.28	-5.91	-5.6	-5.35	-5.13	-4.96	-4.83	-4.74	-4.69	-4.69	-4.74	-4.82	-4.94	-5.09	-5.26	-5.46	-5.68	-5.95	-6.29	-6.73	-7.32	-8.1	-9.15	-10.57	-12.47
165	-16.14	-14.87	-13.6	-12.38	-11.24	-10.21	-9.3	-8.5	-7.81	-7.23	-6.74	-6.34	-6.02	-5.76	-5.56	-5.41	-5.31	-5.25	-5.23	-5.26	-5.32	-5.41	-5.54	-5.71	-5.91	-6.14	-6.41	-6.73	-7.12	-7.6	-8.2	-8.95	-9.91	-11.13	-12.69	-14.65
170	-15.83	-14.29	-12.96	-11.8	-10.79	-9.89	-9.11	-8.43	-7.84	-7.34	-6.91	-6.56	-6.28	-6.06	-5.89	-5.78	-5.72	-5.71	-5.74	-5.82	-5.94	-6.11	-6.31	-6.56	-6.86	-7.22	-7.64	-8.13	-8.72	-9.42	-10.25	-11.26	-12.46	-13.89	-15.52	-17.09
175	-15.88	-14.16	-12.75	-11.58	-10.59	-9.74	-9.01	-8.39	-7.85	-7.4	-7.02	-6.71	-6.46	-6.27	-6.14	-6.06	-6.04	-6.07	-6.16	-6.3	-6.49	-6.75	-7.07	-7.45	-7.91	-8.46	-9.09	-9.84	-10.7	-11.75	-12.96	-14.36	-15.93	-17.5	-18.61	-18.57
180	-16.42	-14.59	-13.05	-11.77	-10.69	-9.77	-8.99	-8.34	-7.78	-7.32	-6.94	-6.64	-6.41	-6.25	-6.15	-6.12	-6.16	-6.26	-6.42	-6.66	-6.97	-7.35	-7.82	-8.38	-9.05	-9.83	-10.8	-11.9	-13.2	-14.71	-16.57	-18.73	-20.88	-21.88	-20.75	-18.57

EV - 2412 MHz

Azimuth (Phi°)

Elevation (Theta°)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
-180	-6.42	-6.66	-6.97	-7.35	-7.82	-8.38	-9.05	-9.83	-10.76	-11.9	-13.16	-14.7	-16.57	-18.7	-20.88	-21.88	-20.75	-18.57	-16.42	-14.6	-13.05	-11.77	-10.7	-9.77	-8.99	-8.34	-7.78	-7.32	-6.94	-6.64	-6.41	-6.25	-6.15	-6.12	-6.16	-6.26
-175	-5.94	-6.1	-6.35	-6.69	-7.13	-7.68	-8.35	-9.18	-10.18	-11.4	-12.9	-14.7	-17.22	-20.5	-24.49	-25.64	-21.96	-18.49	-15.92	-14	-12.46	-11.24	-10.3	-9.45	-8.78	-8.24	-7.8	-7.45	-7.17	-6.96	-6.82	-6.7	[illegible]	-6.72	-6.79	-6.92
-170	-5.77	-5.87	-6.08	-6.38	-6.81	-7.36	-8.07	-8.95	-10.04	-11.4	-13.11	-15.3	-18.43	-23.3	-34.59	-29.42	-21.8	-17.95	-15.43	-13.6	-12.26	-11.21	-10.4	-9.74	-9.24	-8.86	-8.56	-8.35	-8.19	-8.07	-7.98	-7.91	-7.85	-7.81	-7.79	-7.79
-165	-5.93	-6.04	-6.26	-6.59	-7.04	-7.65	-8.42	-9.39	-10.58	-12.1	-13.91	-16.3	-19.44	-23.7	-27.14	-23.96	-20.07	-17.3	-15.3	-13.8	-12.71	-11.87	-11.3	-10.8	-10.53	-10.36	-10.3	-10.29	-10.31	-10.3	-10.2	-10.09	-9.85	-9.55	-9.2	-8.86
-160	-6.37	-6.58	-6.88	-7.3	-7.84	-8.54	-9.39	-10.41	-11.61	-13	-14.59	-16.3	-18.11	-19.6	-20.2	-19.69	-18.49	-17.12	-15.85	-14.8	-13.92	-13.29	-12.9	-12.7	-12.66	-12.84	-13.19	-13.63	-14.07	-14.31	-14.2	-13.61	-12.73	-11.73	-10.75	-9.87
-155	-6.99	-7.4	-7.87	-8.42	-9.08	-9.83	-10.66	-11.54	-12.41	-13.3	-14.05	-14.8	-15.54	-16.3	-17.07	-17.71	-18.04	-17.88	-17.3	-16.5	-15.77	-15.2	-14.9	-14.9	-15.27	-16.04	-17.27	-18.97	-20.76	-21.21	-19.4	-16.74	-14.4	-12.52	-11.06	-9.95
-150	-7.8	-8.47	-9.15	-9.85	-10.55	-11.19	-11.71	-12.08	-12.3	-12.5	-12.68	-13.1	-13.68	-14.6	-15.92	-17.51	-19.06	-19.79	-19.22	-18	-16.8	-16.02	-15.7	-16	-16.84	-18.55	-21.6	-27.48	-30.68	-22.23	-17.4	-14.24	-12.01	-10.38	-9.2	-8.4
-145	-9	-9.97	-10.86	-11.62	-12.16	-12.39	-12.32	-12.06	-11.77	-11.6	-11.7	-12.1	-12.99	-14.4	-16.37	-18.99	-21.31	-20.85	-18.43	-16.3	-14.85	-14.09	-14	-14.5	-15.78	-18.23	-23.01	-38.54	-24.29	-17.45	-13.6	-11	-9.11	-7.74	-6.78	-6.17
-140	-11	-12.3	-13.39	-14.04	-14.13	-13.89	-12.98	-12.26	-11.73	-11.5	-11.7	-12.4	-13.59	-15.6	-18.38	-21.35	-20.7	-17.44	-14.73	-12.9	-11.79	-11.28	-11.3	-12	-13.32	-15.63	-19.45	-23.96	-20.07	-14.99	-11.5	-9.04	-7.21	-5.86	-4.89	-4.28
-135	-14.5	-16.3	-17.6	-17.81	-17	-15.7	-14.4	-13.38	-12.76	-12.6	-12.96	-13.9	-15.63	-18.1	-20.54	-19.53	-16.28	-13.49	-11.5	-10.2	-9.36	-9.05	-9.18	-9.77	-10.84	-12.43	-14.41	-15.91	-15.16	-12.67	-10.1	-7.91	-6.15	-4.77	-3.73	-3.02
-130	-20.7	-23.9	-24.96	-23.55	-21.22	-18.97	-17.17	-15.92	-15.25	-15.2	-15.74	-17	-18.64	-19.5	-17.96	-15.19	-12.69	-10.76	-9.35	-8.4	-7.85	-7.65	-7.78	-8.2	-8.86	-9.66	-10.4	-10.79	-10.56	-9.68	-8.39	-6.95	-5.54	-4.28	-3.22	-2.41
-125	-23.2	-23.3	-22.94	-23.03	-23.04	-22.35	-21.11	-19.94	-19.21	-19	-19.05	-18.9	-17.99	-16.1	-13.99	-12.02	-10.39	-9.12	-8.18	-7.56	-7.21	-7.1	-7.17	-7.35	-7.54	-7.65	-7.61	-7.44	-7.15	-6.78	-6.31	-5.7	-4.95	-4.08	-3.19	-2.4
-120	-17.7	-17.7	-17.94	-18.55	-19.46	-20.35	-20.81	-20.58	-19.76	-18.6	-17.23	-15.7	-14.15	-12.6	-11.26	-10.08	-9.11	-8.37	-7.86	-7.55	-7.42	-7.38	-7.36	-7.23	-6.93	-6.44	-5.86	-5.29	-4.83	-4.51	-4.32	-4.2	-4.05	-3.77	-3.33	-2.79
-115	-15.4	-15.7	-15.92	-16.19	-16.52	-16.81	-16.87	-16.51	-15.73	-14.7	-13.48	-12.3	-11.3	-10.4	-9.63	-9.04	-8.61	-8.36	-8.27	-8.32	-8.45	-8.51	-8.35	-7.83	-6.98	-5.95	-4.94	-4.06	-3.39	-2.96	-2.76	-2.76	-2.9	-3.08	-3.2	-3.19
-110	-15.5	-15.6	-15.28	-14.84	-14.49	-14.21	-13.88	-13.37	-12.65	-11.8	-10.95	-10.2	-9.54	-9.08	-8.79	-8.66	-8.7	-8.91	-9.27	-9.76	-10.24	-10.46	-10.1	-9.06	-7.6	-6.07	-4.68	-3.53	-2.65	-2.05	-1.71	-1.62	-1.74	-2.06	-2.5	-3
-105	-17	-15.9	-14.48	-13.37	-12.63	-12.13	-11.69	-11.19	-10.58	-9.92	-9.3	-8.81	-8.49	-8.36	-8.42	-8.67	-9.11	-9.74	-10.56	-11.6	-12.58	-13.11	-12.5	-10.7	-8.6	-6.6	-4.89	-3.51	-2.43	-1.63	-1.11	-0.83	-0.79	-0.98	-1.4	-2.03
-100	-16.8	-14.3	-12.51	-11.41	-10.75	-10.32	-9.95	-9.51	-9.01	-8.5	-8.07	-7.82	-7.72	-7.85	-8.19	-8.74	-9.49	-10.47	-11.73	-13.3	-15.08	-16.19	-15.1	-12.3	-9.57	-7.2	-5.28	-3.72	-2.49	-1.54	-0.84	-0.37	-0.11	-0.08	-0.27	-0.7
-95	-13.4	-11.4	-10.18	-9.49	-9.12	-8.87	-8.57	-8.18	-7.71	-7.28	-6.97	-6.84	-6.93	-7.26	-7.8	-8.58	-9.59	-10.88	-12.55	-14.8	-17.76	-19.91	-17.3	-13.3	-10.03	-7.5	-5.5	-3.91	-2.62	-1.59	-0.77	-0.14	0.31	0.57	0.65	0.5
-90	-10.2	-9.03	-8.38	-8.12	-8.04	-7.94	-7.67	-7.22	-6.7	-6.25	-5.96	-5.9	-6.08	-6.52	-7.22	-8.18	-9.43	-11.04	-13.23	-16.5	-22.13	-27.06	-18.4	-13.2	-9.79	-7.31	-5.41	-3.89	-2.66	-1.64	-0.79	-0.07	0.51	0.96	1.26	1.37
-85	-8.14	-7.53	-7.35	-7.47	-7.67	-7.69	-7.37	-6.77	-6.09	-5.52	-5.18	-5.11	-5.33	-5.84	-6.64	-7.76	-9.23	-11.16	-13.82	-17.9	-24.89	-23.11	-16.1	-11.9	-8.98	-6.79	-5.09	-3.73	-2.61	-1.66	-0.84	-0.11	0.54	1.1	1.55	1.86
-80	-7.01	-6.85	-7.07	-7.58	-8.11	-8.25	-7.76	-6.9	-5.97	-5.22	-4.78	-4.66	-4.87	-5.42	-6.3	-7.54	-9.15	-11.19	-13.61	-15.9	-16.48	-14.58	-12	-9.67	-7.71	-6.08	-4.72	-3.57	-2.6	-1.75	-0.98	-0.27	0.39	1	1.54	1.96
-75	-6.61	-6.82	-7.45	-8.43	-9.43	-9.77	-9.03	-7.69	-6.4	-5.43	-4.86	-4.66	-4.85	-5.41	-6.34	-7.62	-9.22	-10.9	-12.1	-12.2	-11.15	-9.76	-8.42	-7.21	-6.14	-5.18	-4.3	-3.48	-2.71	-1.98	-1.29	-0.62	0.03	0.66	1.23	1.72
-70	-6.72	-7.27	-8.31	-9.91	-11.75	-12.56	-11.28	-9.19	-7.4	-6.15	-5.42	-5.15	-5.31	-5.88	-6.82	-8.06	-9.37	-10.24	-10.13	-9.14	-7.87	-6.71	-5.79	-5.09	-4.56	-4.15	-3.76	-3.36	-2.9	-2.38	-1.8	-1.19	-0.57	0.05	0.63	1.14
-65	-7.11	-7.93	-9.36	-11.66	-14.99	-17.4	-14.78	-11.33	-8.9	-7.36	-6.47	-6.13	-6.26	-6.81	-7.7	-8.76	-9.55	-9.51	-8.54	-7.18	-5.87	-4.81	-4.04	-3.54	-3.26	-3.16	-3.16	-3.08	-2.87	-2.5	-2	-1.43	-0.84	-0.26	0.25	[illegible]
-60	-7.53	-8.53	-10.19	-12.95	-17.88	-27.45	-19.47	-13.77	-10.71	-8.91	-7.91	-7.52	-7.62	-8.12	-8.9	-9.64	-9.79	-9.02	-7.63	-6.13	-4.82	-3.79	-3.06	-2.62	-2.43	-2.45	-2.64	-2.92	-3.18	-3.33	-3.27	-2.99	-2.54	-2	-1.44	-0.93
-55	-7.85	-8.97	-10.69	-13.42	-18.11	-27.89	-21.88	-15.62	-12.39	-10.5	-9.5	-9.1	-9.12	-9.63	-10.23	-10.58	-10.18	-8.97	-7.39	-5.86	-4.55	-3.52	-2.79	-2.33	-2.13	-2.17	-2.41	-2.8	-3.27	-3.71	-3.99	-4.02	-3.79	-3.37	-2.87	-2.37
-50	-8.16	-9.43	-11.19	-13.74	-17.45	-21.53	-19.96	-16.09	-13.44	-11.8	-10.89	-10.5	-10.61	-11	-11.4	-11.45	-10.74	-9.38	-7.78	-6.25	-4.95	-3.91	-3.14	-2.64	-2.38	-2.36	-2.56	-2.95	-3.48	-4.07	-4.61	-4.95	-5.02	-4.82	-4.43	-3.97
-45	-8.72	-10.2	-12.2	-14.74	-17.76	-19.52	-17.94	-15.44	-13.51	-12.3	-11.54	-11.3	-11.4	-11.8	-12.1	-12.09	-11.43	-10.19	-8.68	-7.21	-5.92	-4.86	-4.04	-3.47	-3.14	-3.03	-3.14	-3.45	-3.93	-4.54	-5.18	-5.73	-6.08	-6.14	-5.93	-5.55
-40	-9.83	-11.8	-14.14	-16.78	-18.59	-17.88	-15.81	-13.91	-12.53	-11.6	-11.17	-11.1	-11.25	-11.7	-12.1	-12.03	-11.18	-9.93	-8.58	-7.32	-6.23	-5.38	-4.74	-4.31	-4.1	-4.09	-4.28	-4.66	-5.18	-5.78	-6.39	-6.89	-7.15	-7.13	-6.87	[illegible]
-35	-11.8	-14.5	-17.27	-18.67	-17.33	-15.07	-13.15	-11.75	-10.79	-10.2	-9.96	-9.99	-10.29	-10.8	-11.4	-11.98	-12.25	-12	-11.22	-10.1	-8.96	-7.89	-6.98	-6.26	-5.74	-5.42	-5.3	-5.37	-5.6	-5.99	-6.48	-7.02	-7.5	-7.82	-7.9	-7.72
-30	-15.1	-18.6	-19.31	-16.65	-13.96	-11.95	-10.51	-9.5	-8.85	-8.49	-8.4	-8.56	-8.92	-9.49	-10.22	-11.04	-11.78	-12.21	-12.11	-11.5	-10.57	-9.58	-8.66	-7.89	-7.3	-6.89	-6.66	-6.6	-6.7	-6.94	-7.28	-7.66	-8.02	-8.26	-8.3	-8.1
-25	-20.4	-20.1	-16.07	-13	-10.87	-9.36	-8.3	-7.57	-7.12	-6.9	-6.9	-7.1	-7.49	-8.07	-8.82	-9.71	-10.66	-11.54	-12.12	-12.2	-11.83	-11.13	-10.3	-9.57	-8.97	-8.46	-8.13	-7.97	-7.93	-8.02	-8.18	-8.37	-8.53	-8.59	-8.49	-8.19
-20	-20.9	-15.7	-12.39	-10.15	-8.57	-7.43	-6.62	-6.06	-5.72	-5.62	-5.82	-6.19	-6.71	-7.39	-8.2	-9.13	-10.12	-11.06	-11.8	-12.2	-12.17	-11.8	-11.3	-10.75	-10.27	-9.88	-9.6	-9.42	-9.33	-9.28	-9.23	-9.14	-8.96	-8.64	-8.18	[illegible]
-15	-15.6	-12.1	-9.83	-8.18	-6.96	-6.05	-5.4	-4.94	-4.66	-4.54	-4.57	-4.78	-5.03	-5.45	-5.99	-6.66	-7.43	-8.31	-9.25	-10.2	-11.11	-11.86	-12.4	-12.6	-12.57	-12.37	-12.08	-11.77	-11.45	-11.13	-10.8	-10.43	-10	-9.5	-8.91	-8.25
-10	-12.1	-9.82	-8.12	-6.84	-5.86	-5.1	-4.54	-4.13	-3.86	-3.72	-3.7	-3.78	-3.97	-4.25	-4.64	-5.12	-5.69	-6.36	-7.11	-7.95	-8.86	-9.84	-10.9	-11.9	-12.82	-13.62	-14.18	-14.4	-14.26	-13.8	-13.1	-12.28	-11.36	-10.41	-9.46	-8.52
-5	-10	-8.33	-7.02	-5.98	-5.14	-4.47	-3.94	-3.53	-3.23	-3.03	-2.93	-2.9	-2.96	-3.1	-3.31	-3.6	-3.97	-4.42	-4.95	-5.56	-6.27	-7.09	-8.02	-9.08	-10.3	-11.68	-13.24	-14.91	-16.43	-17.21	-16.7	-15.33	-13.62	-11.96	-10.46	-9.14
0	-8.71	-7.42	-6.35	-5.45	-4.69	-4.05	-3.51	-3.07	-2.7	-2.42	-2.21	-2.06	-1.98	-1.97	-2.03	-2.15	-2.33	-2.59	-2.93	-3.34	-3.84	-4.44	-5.16	-6.01	-7.01	-8.21	-9.67	-11.45	-13.68	-16.47	-19.5	-20.17	-17.6	-14.63	-12.2	-10.27
5	-7.96	-6.92	-6	-5.18	-4.44	-3.79	-3.21	-2.69	-2.24	-1.86	-1.53	-1.26	-1.06	-0.91	-0.82	-0.8	-0.84	-0.95	-1.14	-1.4	-1.74	-2.18	-2.72	-3.38	-4.18	-5.14	-6.3	-7.73	-9.51	-11.81	-14.9	-19.36	-23.37	-19.58	-15.23	-12.2
10	-7.61	-6.73	-5.89	-5.1	-4.35	-3.65	-3	-2.4	-1.85	-1.36	-0.93	-0.55	-0.23	0.03	0.23	0.37	0.44	0.44	0.36	0.21	-0.02	-0.34	-0.76	-1.28	-1.93	-2.72	-3.67	-4.83	-6.25	-8.01	-10.3	-13.41	-18.08	-24.72	-20.88	-15.49
15	-7.52	-6.75	-5.96	-5.16	-4.37	-3.61	-2.89	-2.2	-1.56	-0.97	-0.44	0.04	0.46	0.81	1.1	1.32	1.47	1.55	1.56	1.49	1.34	1.1	0.77	0.34	-0.2	-0.87	-1.68	-2.66	-3.84	-5.28	-7.07	-9.35	-12.44	-17.01	-24	-21.27
20	-7.59	-6.9	-6.13	-5.32	-4.5	-3.68	-2.88	-2.11	-1.39	-0.72	-0.1	0.46	0.95	1.38	1.74	2.03	2.25	2.39	2.46	2.45	2.36	2.19	1.92	1.56	1.09	0.51	-0.21	-1.07	-2.1	-3.33	-4.82	-6.64	-8.94	-11.98	-16.32	-22.36
25	-7.71	-7.07	-6.32	-5.51	-4.67	-3.81	-2.97	-2.14	-1.36	-0.62	0.07	0.7	1.26	1.75	2.17	2.51	2.78	2.98	3.1	3.14	3.1	2.98	2.76	2.44	2.03	1.5	0.85	0.06	-0.87	-1.97	-3.27	-4.81	-6.66	-8.94	-11.86	-15.77
30	-7.68	-7.09	-6.39	-5.61	-4.8	-3.96	-3.11	-2.26	-1.44	-0.65	0.09	0.77	1.38	1.93	2.4	2.8	3.12	3.36	3.53	3.61	3.62	3.53	3.35	3.07	2.68	2.18	1.56	0.81	-0.07	-1.1	-2.28	-3.64	-5.2	-7.03	-9.2	-11.85
35	-7.32	-6.77	-6.14	-5.47	-4.75	-4	-3.22	-2.41	-1.59	-0.79	-0.02	0.7	1.36	1.96	2.48	2.92	3.29	3.59	3.8	3.93	3.97	3.92	3.77	3.51	3.13	2.64	2.02	1.27	0.4	-0.61	-1.74	-2.99	-4.37	-5.89	-7.59	-9.53
40	-6.45	-5.95	-5.44	-4.92	-4.38	-3.8	-3.17	-2.48	-1.74	-0.98	-0.22	0.52	1.22	1.86	2.43	2.93	3.36	3.7	3.96	4.14	4.22	4.2	4.08	3.84	3.47	2.97	2.33	1.56	0.65	-0.39	-1.53	-2.75	-4.02	-5.34	-6.71	-8.17
45	-5.11	-4.68	-4.29	-3.94	-3.61	-3.27	-2.88	-2.4	-1.84	-1.19	-0.48	0.24	0.96	1.65	2.28	2.84	3.33	3.73	4.05	4.27	4.4	4.42	4.32	4.1	3.75	3.25	2.6	1.79	0.83	-0.27	-1.48	-2.74	-4	-5.2	-6.34	-7.47
50	-3.53	-3.15	-2.87	-2.66	-2.53	-2.43	-2.32	-2.14	-1.86	-1.43	-0.86	-0.19	0.54	1.27	1.98	2.62	3.19	3.66	4.04	4.32	4.5	4.56	4.51	4.33	4	3.52	2.88	2.06	1.06	-0.11	-1.4	-2.77	-4.09	-5.27	-6.27	-7.18
55	-1.94	-1.6	-1.38	-1.28	-1.29	-1.41	-1.58	-1.76	-1.86	-1.78	-1.45	-0.88	-0.14	0.68	1.49	2.25	2.91	3.47	3.92	4.26	4.48	4.6	4.6	4.47	4.2	3.77	3.17	2.37	1.37	0.17	-1.2	-2.67	-4.1	-5.33	-6.28	-7.04
60	-0.51	-0.19	-0.01	0.02	-0.11	-0.4	-0.85	-1.4	-1.96	-2.36	-2.41	-2	-1.22	-0.24	0.75	1.66	2.45	3.11	3.62	4.02	4.3	4.47	4.53	4.46	4.26	3.91	3.37	2.63	1.67	0.48	-0.92	-2.46	-3.99	-5.29	-6.21	-6.86
65	0.67	0.97	1.12	1.09	0.86	0.4	-0.29	-1.21	-2.3	-3.35	-3.99	-3.8	-2.85	-1.55	-0.27	0.86	1.79	2.54	3.12	3.55	3.87	4.09	4.21	4.21	4.09	3.81	3.36	2.69	1.78	0.62	-0.79	-2.36	-3.94	-5.26	-6.11	-6.61
70	1.55	1.82	1.92	1.82	1.47	0.85	-0.09	-1.38	-3.06	-5	-6.62	-6.69	-5.16	-3.21	-1.5	-0.12	0.94	1.74	2.35	2.8	3.13	3.38	3.54	3.61	3.57	3.37	2.99	2.39	1.54	0.41	-0.99	-2.59	-4.2	-5.48	-6.19	-6.47
75	2.09	2.3	2.32	2.1	1.62	0.81	-0.39	-2.08	-4.44	-7.69	-11.37	-11.3	-7.81	-4.84	-2.72	-1.2	-0.1	0.68	1.25	1.66	1.98	2.23	2.42	2.55	2.58	2.47	2.17	1.64	0.83	-0.28	-1.7	-3.35	-5.01	-6.24	-6.73	-6.68
80	2.25	2.35	2.23	1.86	1.19	0.15	-1.36	-3.52	-6.71	-12	-24.54	-15.1	-8.92	-5.67	-3.62	-2.25	-1.32	-0.7	-0.27	0.02	0.26	0.48	0.69	0.88	1.01	1	0.8	0.34	-0.41	-1.51	-2.97	-4.73	-6.54	-7.78	-7.98	-7.5
85	1.99	1.92	1.6	0.99	0.05	-1.33	-3.27	-6.04	-10.23	-17.1	-17.06	-11	-7.6	-5.49	-4.15	-3.31	-2.8	-2.52	-2.4	-2.34	-2.25	-2.09	-1.84	-1.54	-1.26	-1.1	-1.15	-1.48	-2.14	-3.2	-4.7	-6.66	-8.82	-10.33	-10.25	-9.17
90	1.28	0.95	0.33	-0.63	-2.01	-3.94	-6.64	-10.44	-14.84	-14.2	-10.42	-7.77	-6.1	-5.12	-4.62	-4.48	-4.61	-4.91	-5.29	-5.61	-5.75	-5.59	-5.16	-4.58	-4	-3.55	-3.35	-3.46	-3.95	-4.89	-6.35	-8.43	-11.12	-13.69	-13.89	-12.03
95	0.11	-0.57	-1.61	-3.12	-5.25	-8.34	-13.14	-19.46	-15.34	-10.6	-7.93	-6.34	-5.49	-5.19	-5.31	-5.77	-6.51	-7.38	-8.2	-8.69	-8.65	-8.11	-7.28	-6.38	-5.59	-4.99	-4.65	-4.62	-4.94	-5.68	-6.92	-8.77	-11.44	-15	-17.83	-16.24
100	-1.42	-2.47	-3.96	-6.04	-9.07	-13.88	-22.59	-18.24	-12.3	-9.16	-7.33	-6.28	-5.79	-5.74	-6.01	-6.51	-7.08	-7.51	-7.6	-7.3	-6.72	-6.05	-5.4	-4.86	-4.45	-4.21	-4.14	-4.28	-4.67	-5.36	-6.41	-7.92	-10.03	-12.9	-16.46	-18.62
105	-2.89	-3.97	-5.31	-6.9	-8.71	-10.5	-11.68	-11.63	-10.58	-9.27	-8.12	-7.24	-6.61	-6.18	-5.89	-5.65	-5.37	-5.01	-4.57	-4.08	-3.59	-3.17	-2.84	-2.64	-2.59	-2.68	-2.93	-3.34	-3.94	-4.76	-5.82	-7.2	-8.95	-11.13	-13.71	-16.14
110	-3.51	-3.98	-4.43	-4.93	-5.58	-6.46	-7.62	-9.02	-10.34	-10.8	-10.05	-8.53	-6.96	-5.62	-4.55	-3.72	-3.07	-2.55	-2.13	-1.79	-1.51	-1.31	-1.19	-1.19	-1.32	-1.59	-2.03	-2.65	-3.46	-4.47	-5.69	-7.14	-8.82	-10.71	-12.68	-14.42
115	-3.05	-2.89	-2.83	-3	-3.51	-4.46	-5.98	-8.28	-11.46	-14	-12.09	-8.67	-6.04	-4.16	-2.84	-1.92	-1.29	-0.88	-0.63	-0.48	-0.4	-0.39	-0.43	-0.55	-0.77	-1.13	-1.66	-2.38	-3.32	-4.51	-5.95	-7.65	-9.56	-11.56	-13.38	-14.7
120	-2.26	-1.88	-1.76	-1.98	-2.62	-3.81	-5.76	-8.88	-14.14	-18.1	-11.66	-7.27	-4.52	-2.71	-1.49	-0.69	-0.21	0.03	0.09	0.04	-0.07	-0.22	-0.39	-0.58	-0.83	-1.19	-1.69	-2.39	-3.34	-4.59	-6.17	-8.12	-10.47	-13.1	-15.61	-17.22
125	-1.79	-1.45	-1.44	-1.83	-2.7	-4.2	-6.64	-10.78	-19.09	-16.6	-9.44	-5.65	-3.29	-1.73	-0.71	-0.09	0.22	0.28	0.16	-0.08	-0.38	-0.69	-0.95	-1.16	-1.35	-1.59	-1.94	-2.49	-3.27	-4.36	-5.81	-7.69	-10.09	-13.1	-16.79	-20.77
130	-1.89	-1.69	-1.86	-2.46	-3.6	-5.47	-8.54	-14.04	-21.51	-12.7	-7.57	-4.56	-2.61	-1.32	-0.51	-0.06	0.08	-0.02	-0.32	-0.75	-1.24	-1.67	-1.98	-2.13	-2.16	-2.17	-2.27	-2.55	-3.06	-3.85	-4.97	-6.46	-8.35	-10.71	-13.57	-16.95
135	-2.63	-2.59	-2.95	-3.76	-5.17	-7.42	-11.03	-16.47	-15.5	-10	-6.43	-4.08	-2.5	-1.46	-0.83	-0.55	-0.56	-0.82	-1.29	-1.9	-2.54	-3.08	-3.36	-3.34	-3.12	-2.84	-2.64	-2.64	-2.87	-3.37	-4.15	-5.24	-6.62	-8.3	-10.23	-12.33
140	-4.01	-4.1	-4.58	-5.53	-7.06	-9.3	-12.17	-13.73	-11.48	-8.35	-5.9	-4.12	-2.89	-2.08	-1.63	-1.5	-1.65	-2.06	-2.68	-3.44	-4.2	-4.76	-4.92	-4.66	-4.13	-3.58	-3.14	-2.91	-2.93	-3.21	-3.74	-4.53	-5.54	-6.75	-8.11	-9.56
145	-5.91	-5.99	-6.42	-7.22	-8.37	-9.71	-10.7	-10.52	-9.15	-7.41	-5.84	-4.6	-3.71	-3.14	-2.88	-2.89	-3.17	-3.7	-4.43	-5.29	-6.09	-6.56	-6.5	-5.96	-5.2	-4.46	-3.87	-3.51	-3.39	-3.51	-3.86	-4.41	-5.14	-6.02	-6.98	-7.99
150	-7.91	-7.72	-7.79	-8.06	-8.46	-8.81	-8.91	-8.6	-7.93	-7.06	-6.2	-5.48	-4.94	-4.63	-4.56	-4.72	-5.12	-5.74	-6.53	-7.37	-8.05	-8.29	-7.96	-7.22	-6.34	-5.53	-4.89	-4.47	-4.27	-4.27	-4.46	-4.81	-5.29	-5.87	-6.49	-7.14
155	-9.15	-8.59	-8.25	-8.07	-8	-7.97	-7.92	-7.8	-7.58	-7.3	-7	-6.75	-6.59	-6.57	-6.71	-7.03	-7.53	-8.18	-8.91	-9.57	-9.94	-9.82	-9.25	-8.42	-7.54	-6.76	-6.14	-5.7	-5.44	-5.33	-5.37	-5.51	-5.73	-6	-6.31	-6.64
160	-9.16	-8.61	-8.21	-7.95	-7.82	-7.78	-7.82	-7.9	-8.01	-8.14	-8.28	-8.46	-8.69	-8.99	-9.38	-9.86	-10.43	-11.01	-11.49	-11.7	-11.61	-11.11	-10.4	-9.52	-8.71	-8	-7.42	-6.96	-6.62	-6.39	-6.25	-6.16	-6.13	-6.13	-6.16	-6.24
165	-8.55	-8.3	-8.14	-8.06	-8.08	-8.19	-8.4	-8.69	-9.06	-9.5	-10.01	-10.6	-11.2	-11.9	-12.54	-13.18	-13.71	-14	-13.96	-13.6	-12.91	-12.09	-11.2	-10.4	-9.61	-8.93	-8.34	-7.83	-7.4	-7.03	-6.72	-6.46	-6.24	-6.07	-5.96	-5.91
170	-7.82	-7.9	-8.02	-8.21	-8.46	-8.8	-9.22	-9.73	-10.34	-11.1	-11.88	-12.8	-13.83	-14.9	-15.88	-16.61	-16.88	-16.56	-15.77	-14.7	-13.64	-12.57	-11.6	-10.7	-9.9	-9.19	-8.56	-8	-7.51	-7.08	-6.71	-6.39	-6.13	-5.93	-5.8	-5.75
175	-7.1	-7.33	-7.63	-7.99	-8.42	-8.93	-9.53	-10.23	-11.05	-12	-13.08	-14.3	-15.75	-17.3	-18.64	-19.43	-19.18	-18.04	-16.53	-15	-13.62	-12.39	-11.3	-10.4	-9.54	-8.83	-8.2	-7.66	-7.19	-6.8	-6.48	-6.22	-6.03	-5.9	-5.84	-5.85
180	-6.42	-6.66	-6.97	-7.35	-7.82	-8.38	-9.05	-9.83	-10.76	-11.9	-13.16	-14.7	-16.57	-18.7	-20.88	-21.88	-20.75	-18.57	-16.42	-14.6	-13.05	-11.77	-10.7	-9.77	-8.99	-8.34	-7.78	-7.32	-6.94	-6.64	-6.41	-6.25	-6.15	-6.12	-6.16	-6.26

ANT2 (2G1) @2412 MHz



EH - 2437 MHz

Azimuth (Phi°)

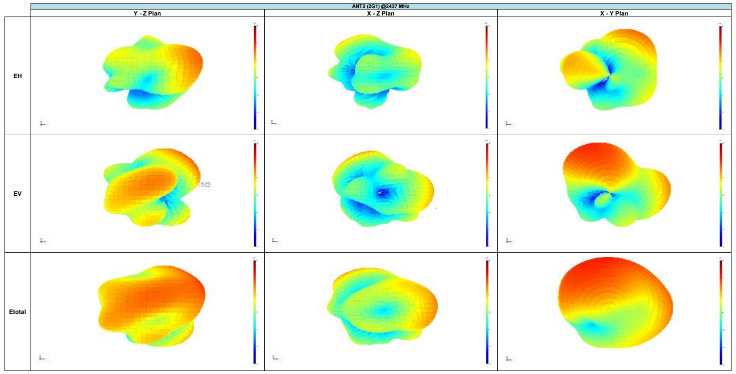
Elevation (Theta°)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
-180	-20.43	-17.21	-14.89	-13.11	-11.68	-10.51	-9.54	-8.73	-8.04	-7.47	-6.99	-6.6	-6.29	-6.06	-5.89	-5.8	-5.77	-5.81	-5.91	-6.08	-6.32	-6.64	-7.04	-7.53	-8.11	-8.81	-9.65	-10.6	-11.8	-13.3	-15.13	-17.53	-20.9	-26.2	-32.02	-25.42
-175	-21.7	-18.74	-15.97	-13.76	-12	-10.57	-9.41	-8.46	-7.68	-7.05	-6.55	-6.16	-5.89	-5.71	-5.63	-5.63	-5.73	-5.9	-6.17	-6.52	-6.95	-7.47	-8.09	-8.8	-9.63	-10.58	-11.7	-12.9	-14.4	-16.24	-18.46	-21.3	-24.85	-27.31	-25	-21.43
-170	-20.2	-20.41	-17.84	-15.01	-12.69	-10.86	-9.41	-8.25	-7.34	-6.62	-6.07	-5.68	-5.42	-5.3	-5.29	-5.41	-5.64	-5.98	-6.44	-7.02	-7.72	-8.55	-9.51	-10.59	-11.79	-13.09	-14.4	-15.8	-16.9	-17.82	-18.41	-18.72	-18.81	-18.72	-18.41	-17.84
-165	-17.2	-20.56	-20.38	-16.87	-13.74	-11.38	-9.59	-8.23	-7.19	-6.4	-5.82	-5.43	-5.2	-5.11	-5.17	-5.37	-5.71	-6.19	-6.82	-7.63	-8.63	-9.84	-11.31	-13.07	-15.11	-17.29	-19	-19.4	-18.5	-17.22	-16.14	-15.41	-15.03	-14.96	-15.15	-15.49
-160	-14.84	-19.05	-22.75	-19.15	-14.92	-12	-9.94	-8.43	-7.32	-6.52	-5.95	-5.59	-5.4	-5.36	-5.47	-5.72	-6.12	-6.68	-7.41	-8.34	-9.53	-11.05	-13.01	-15.67	-19.55	-26.09	-30.4	-22.7	-18.5	-15.98	-14.42	-13.49	-13.04	-13.01	-13.36	-14.05
-155	-13.61	-17.93	-24.03	-21.08	-15.82	-12.54	-10.4	-8.84	-7.77	-7.04	-6.56	-6.28	-6.17	-6.2	-6.36	-6.65	-7.06	-7.6	-8.3	-9.18	-10.28	-11.68	-13.47	-15.8	-18.83	-22.16	-22.7	-19.8	-17	-14.93	-13.52	-12.63	-12.19	-12.16	-12.55	-13.38
-150	-13.65	-18.25	-25.06	-21.21	-15.9	-12.75	-10.7	-9.41	-8.54	-8.01	-7.72	-7.63	-7.67	-7.82	-8.06	-8.37	-8.74	-9.18	-9.71	-10.32	-11.05	-11.88	-12.83	-13.87	-14.88	-15.7	-16	-15.8	-15	-14.08	-13.22	-12.56	-12.19	-12.15	-12.51	-13.34
-145	-15.18	-20.39	-24.28	-18.98	-14.97	-12.53	-11	-10.1	-9.65	-9.5	-9.58	-9.82	-10.2	-10.5	-10.9	-11.3	-11.55	-11.83	-12.06	-12.25	-12.4	-12.51	-12.59	-12.68	-12.8	-12.97	-13.2	-13.4	-13.5	-13.52	-13.34	-13.07	-12.84	-12.79	-13.03	-13.71
-140	-18.27	-21.69	-19.33	-15.79	-13.41	-11.96	-11.2	-10.9	-11.1	-11.6	-12.3	-13.1	-13.9	-14.6	-15.1	-15.4	-15.64	-15.81	-15.86	-15.68	-15.23	-14.57	-13.84	-13.18	-12.69	-12.43	-12.4	-12.7	-13.1	-13.53	-13.89	-14.02	-13.93	-13.76	-13.72	-13.96
-135	-19.09	-17.22	-14.74	-12.9	-11.77	-11.25	-11.3	-11.8	-12.8	-14.1	-15.6	-16.6	-16.8	-16.4	-15.8	-15.5	-15.65	-16.23	-17.24	-18.5	-19.41	-19.17	-17.83	-16.27	-14.98	-14.12	-13.7	-13.7	-14	-14.48	-14.96	-15.14	-14.9	-14.39	-13.85	-13.49
-130	-15.14	-13.1	-11.65	-10.77	-10.46	-10.67	-11.4	-12.7	-14.4	-16	-16.4	-15.3	-13.7	-12.3	-11.4	-11	-11	-11.44	-12.34	-13.78	-15.9	-18.95	-23.12	-25.8	-22.99	-19.96	-18	-17	-16.4	-16.12	-15.84	-15.37	-14.65	-13.82	-13	-12.31
-125	-12.16	-10.69	-9.83	-9.5	-9.69	-10.41	-11.7	-13.3	-14.9	-15.1	-13.7	-11.7	-10.1	-8.93	-8.16	-7.75	-7.68	-7.93	-8.5	-9.43	-10.76	-12.58	-15.04	-18.38	-22.61	-24.58	-21.7	-18.7	-16.7	-15.26	-14.22	-13.42	-12.75	-12.15	-11.57	-10.98
-120	-10.78	-9.62	-9.05	-9.02	-9.5	-10.5	-11.9	-13.5	-14	-12.9	-11.1	-9.33	-7.95	-6.95	-6.28	-5.9	-5.79	-5.91	-6.28	-6.89	-7.74	-8.83	-10.13	-11.53	-12.78	-13.51	-13.5	-12.9	-12.1	-11.33	-10.79	-10.45	-10.28	-10.21	-10.14	-9.93
-115	-10.48	-9.45	-9.01	-9.11	-9.71	-10.76	-12	-12.9	-12.6	-11.2	-9.48	-8.01	-6.86	-6.02	-5.45	-5.11	-4.99	-5.05	-5.3	-5.71	-6.26	-6.92	-7.63	-8.27	-8.73	-8.91	-8.8	-8.51	-8.17	-7.91	-7.79	-7.85	-8.1	-8.51	-8.97	-9.27
-110	-10.22	-9.41	-9.1	-9.26	-9.85	-10.75	-11.7	-12	-11.4	-10.1	-8.74	-7.54	-6.6	-5.92	-5.46	-5.2	-5.12	-5.18	-5.36	-5.64	-5.99	-6.35	-6.65	-6.82	-6.81	-6.62	-6.33	-6.02	-5.77	-5.65	-5.71	-5.99	-6.49	-7.21	-8.09	-8.93
-105	-8.79	-8.53	-8.53	-8.84	-9.45	-10.24	-11	-11.2	-10.8	-9.78	-8.69	-7.72	-6.97	-6.45	-6.14	-6.01	-6.03	-6.17	-6.37	-6.6	-6.8	-6.91	-6.86	-6.64	-6.25	-5.76	-5.25	-4.82	-4.53	-4.41	-4.51	-4.85	-5.44	-6.31	-7.44	-8.71
-100	-6.63	-6.93	-7.36	-7.95	-8.72	-9.62	-10.5	-10.9	-10.8	-10.1	-9.16	-8.33	-7.69	-7.29	-7.13	-7.18	-7.39	-7.71	-8.06	-8.35	-8.5	-8.43	-8.09	-7.51	-6.78	-5.99	-5.26	-4.66	-4.24	-4.04	-4.07	-4.35	-4.89	-5.73	-6.87	-8.31
-95	-4.91	-5.6	-6.4	-7.31	-8.34	-9.48	-10.6	-11.4	-11.6	-11	-10	-9.06	-8.34	-7.9	-7.76	-7.89	-8.26	-8.79	-9.38	-9.91	-10.22	-10.19	-9.76	-9.01	-8.06	-7.06	-6.12	-5.33	-4.73	-4.36	-4.23	-4.34	-4.7	-5.33	-6.26	-7.52
-90	-4.15	-5.17	-6.3	-7.52	-8.83	-10.25	-11.7	-13	-13.3	-12.5	-11.1	-9.64	-8.56	-7.84	-7.5	-7.49	-7.77	-8.27	-8.9	-9.55	-10.07	-10.33	-10.25	-9.82	-9.1	-8.21	-7.26	-6.38	-5.63	-5.07	-4.7	-4.56	-4.63	-4.94	-5.51	-6.38
-85	-4.57	-5.98	-7.51	-9.05	-10.59	-12.21	-14.1	-16	-16.6	-14.8	-12.2	-9.99	-8.38	-7.3	-6.68	-6.44	-6.53	-6.86	-7.35	-7.9	-8.39	-8.71	-8.83	-8.75	-8.47	-8.01	-7.42	-6.74	-6.07	-5.45	-4.95	-4.59	-4.41	-4.43	-4.68	-5.16
-80	-6.55	-8.67	-10.85	-12.62	-13.77	-14.85	-16.7	-20.1	-23	-18.2	-13.5	-10.3	-8.16	-6.76	-5.91	-5.5	-5.44	-5.66	-6.05	-6.51	-6.9	-7.12	-7.13	-6.99	-6.74	-6.43	-6.08	-5.7	-5.29	-4.86	-4.47	-4.13	-3.9	-3.8	-3.87	-4.1
-75	-11.09	-15.69	-19.35	-17.17	-14.85	-14.17	-15.2	-18.4	-28.4	-23.4	-14.9	-10.7	-8.15	-6.49	-5.47	-4.93	-4.79	-4.95	-5.31	-5.75	-6.09	-6.21	-6.06	-5.7	-5.25	-4.82	-4.43	-4.12	-3.86	-3.64	-3.46	-3.31	-3.21	-3.17	-3.21	-3.34
-70	-17.2	-20.99	-15.69	-12.34	-10.83	-10.6	-11.6	-14.2	-20	-30.9	-16.8	-11.5	-8.45	-6.56	-5.4	-4.77	-4.57	-4.7	-5.07	-5.53	-5.9	-5.98	-5.69	-5.12	-4.44	-3.81	-3.28	-2.9	-2.64	-2.51	-2.47	-2.5	-2.58	-2.68	-2.81	-2.93
-65	-9.74	-9.33	-8.38	-7.62	-7.38	-7.8	-9.05	-11.5	-16	-27.3	-19.2	-12.6	-9.08	-6.98	-5.69	-4.99	-4.73	-4.84	-5.21	-5.73	-6.17	-6.28	-5.92	-5.19	-4.31	-3.49	-2.8	-2.3	-1.99	-1.85	-1.86	-1.99	-2.21	-2.46	-2.71	-2.88
-60	-4.98	-4.95	-4.86	-4.91	-5.28	-6.1	-7.56	-9.96	-14	-22.9	-22.5	-14	-10.1	-7.77	-6.37	-5.58	-5.27	-5.33	-5.7	-6.24	-6.76	-6.96	-6.62	-5.8	-4.79	-3.8	-2.97	-2.35	-1.95	-1.76	-1.75	-1.91	-2.2	-2.55	-2.91	-3.18
-55	-2.47	-2.72	-3.02	-3.47	-4.19	-5.28	-6.9	-9.32	-13.2	-20.7	-27.2	-16	-11.5	-9.01	-7.49	-6.62	-6.23	-6.23	-6.55	-7.07	-7.62	-7.91	-7.64	-6.84	-5.75	-4.66	-3.71	-2.98	-2.48	-2.2	-2.13	-2.26	-2.54	-2.94	-3.37	-3.73
-50	-1.22	-1.66	-2.2	-2.9	-3.84	-5.12	-6.86	-9.32	-13	-19.6	-35.3	-18.5	-13.5	-10.7	-9.11	-8.15	-7.68	-7.59	-7.81	-8.25	-8.74	-9.03	-8.86	-8.14	-7.07	-5.94	-4.91	-4.08	-3.47	-3.08	-2.92	-2.96	-3.18	-3.55	-3.99	-4.4
-45	-0.77	-1.34	-2.04	-2.91	-4.01	-5.42	-7.25	-9.72	-13.2	-19.1	-38.1	-21.8	-15.9	-12.9	-11.1	-10.1	-9.49	-9.28	-9.36	-9.63	-9.97	-10.18	-10.04	-9.44	-8.49	-7.41	-6.36	-5.45	-4.74	-4.24	-3.95	-3.87	-3.98	-4.25	-4.62	-5.02
-40	-0.82	-1.47	-2.27	-3.24	-4.43	-5.91	-7.78	-10.2	-13.6	-18.8	-31.4	-25.6	-18.3	-15	-13	-11.8	-11.09	-10.73	-10.62	-10.69	-10.83	-10.92	-10.8	-10.36	-9.61	-8.67	-7.68	-6.77	-6	-5.4	-5	-4.78	-4.75	-4.88	-5.13	-5.45
-35	-1.05	-1.73	-2.56	-3.55	-4.75	-6.23	-8.06	-10.4	-13.6	-18.3	-28.2	-28.8	-19.8	-16	-13.8	-12.4	-11.55	-11.02	-10.76	-10.68	-10.71	-10.75	-10.7	-10.45	-9.96	-9.26	-8.45	-7.63	-6.88	-6.26	-5.79	-5.49	-5.34	-5.34	-5.46	-5.65
-30	-1.23	-1.88	-2.67	-3.62	-4.77	-6.17	-7.91	-10.1	-13.1	-17.5	-25.9	-31.3	-20.3	-16	-13.6	-12	-10.98	-10.33	-9.96	-9.79	-9.76	-9.79	-9.8	-9.71	-9.45	-9.02	-8.46	-7.83	-7.22	-6.67	-6.22	-5.89	-5.69	-5.61	-5.63	-5.72
-25	-1.26	-1.86	-2.59	-3.48	-4.56	-5.87	-7.5	-9.58	-12.3	-16.3	-23.4	-32.8	-20.7	-16	-13.3	-11.5	-10.34	-9.57	-9.08	-8.8	-8.67	-8.64	-8.63	-8.59	-8.46	-8.23	-7.89	-7.49	-7.07	-6.66	-6.31	-6.03	-5.83	-5.72	-5.68	-5.71
-20	-1.29	-1.83	-2.52	-3.35	-4.37	-5.61	-7.14	-9.08	-11.6	-15.2	-20.9	-29.6	-21.6	-16.4	-13.4	-11.5	-10.12	-9.19	-8.55	-8.12	-7.85	-7.68	-7.57	-7.48	-7.38	-7.24	-7.05	-6.82	-6.57	-6.32	-6.09	-5.9	-5.76	-5.67	-5.63	-5.64
-15	-1.46	-1.98	-2.63	-3.42	-4.39	-5.56	-7	-8.8	-11.1	-14.2	-18.8	-25.4	-22.9	-17.5	-14.2	-12	-10.39	-9.26	-8.43	-7.81	-7.35	-7.01	-6.76	-6.56	-6.4	-6.24	-6.1	-5.95	-5.81	-5.68	-5.56	-5.46	-5.4	-5.36	-5.36	-5.4
-10	-1.89	-2.39	-3	-3.75	-4.66	-5.76	-7.08	-8.71	-10.8	-13.4	-17.1	-22.4	-24.5	-19.4	-15.6	-13	-11.12	-9.73	-8.65	-7.81	-7.14	-6.61	-6.18	-5.83	-5.55	-5.32	-5.13	-4.98	-4.86	-4.77	-4.71	-4.68	-4.68	-4.71	-4.78	-4.89
-5	-2.58	-3.04	-3.61	-4.3	-5.12	-6.1	-7.28	-8.71	-10.5	-12.7	-15.7	-20	-25.3	-22.8	-18	-14.7	-12.3	-10.54	-9.16	-8.05	-7.14	-6.4	-5.78	-5.27	-4.84	-4.5	-4.22	-4	-3.84	-3.73	-3.67	-3.65	-3.69	-3.77	-3.9	-4.09
0	-3.45	-3.85	-4.33	-4.92	-5.62	-6.45	-7.44	-8.63	-10.1	-11.9	-14.3	-17.7	-23	-29.1	-22.3	-17.3	-14.05	-11.72	-9.94	-8.51	-7.33	-6.36	-5.54	-4.86	-4.28	-3.8	-3.41	-3.1	-2.87	-2.7	-2.61	-2.58	-2.61	-2.72	-2.89	-3.13
5	-4.33	-4.64	-5.01	-5.46	-6	-6.65	-7.43	-8.36	-9.51	-10.9	-12.8	-15.2	-18.9	-25.7	-36	-22	-16.71	-13.43	-11.05	-9.21	-7.72	-6.5	-5.47	-4.61	-3.88	-3.27	-2.78	-2.37	-2.06	-1.84	-1.7	-1.64	-1.66	-1.76	-1.95	-2.22
10	-5.04	-5.24	-5.49	-5.8	-6.18	-6.64	-7.2	-7.89	-8.72	-9.77	-11.1	-12.8	-15.2	-18.8	-25.3	-31.6	-21.02	-15.9	-12.62	-10.22	-8.35	-6.83	-5.58	-4.53	-3.66	-2.93	-2.33	-1.85	-1.48	-1.2	-1.02	-0.94	-0.94	-1.03	-1.22	-1.51
15	-5.48	-5.59	-5.74	-5.94	-6.18	-6.47	-6.83	-7.29	-7.85	-8.57	-9.49	-10.7	-12.3	-14.5	-17.7	-22.8	-25.74	-19.42	-14.79	-11.61	-9.23	-7.37	-5.86	-4.62	-3.6	-2.76	-2.07	-1.52	-1.09	-0.78	-0.58	-0.48	-0.47	-0.57	-0.76	-1.06
20	-5.68	-5.75	-5.85	-5.96	-6.08	-6.23	-6.42	-6.68	-7.01	-7.47	-8.08	-8.9	-10	-11.5	-13.6	-16.5	-20.53	-21.88	-17.41	-13.36	-10.38	-8.1	-6.3	-4.84	-3.66	-2.7	-1.92	-1.31	-0.85	-0.51	-0.3	-0.2	-0.21	-0.32	-0.54	-0.86
25	-5.77	-5.85	-5.92	-5.97	-5.99	-6.01	-6.04	-6.1	-6.24	-6.48	-6.86	-7.41	-8.18	-9.23	-10.7	-12.6	-15.19	-18.15	-18.46	-15.12	-11.7	-8.99	-6.85	-5.15	-3.79	-2.69	-1.81	-1.14	-0.63	-0.28	-0.07	0.02	-0.02	-0.17	-0.43	-0.79
30	-5.84	-5.95	-6.01	-6	-5.91	-5.78	-5.64	-5.52	-5.48	-5.54	-5.73	-6.07	-6.58	-7.3	-8.28	-9.58	-11.28	-13.39	-15.35	-15.26	-12.8	-9.96	-7.52	-5.55	-3.97	-2.7	-1.71	-0.95	-0.39	-0.01	0.2	0.27	0.21	0.02	-0.28	-0.7
35	-5.86	-6.01	-6.05	-5.94	-5.71	-5.4	-5.08	-4.8	-4.61	-4.52	-4.55	-4.7	-5	-5.45	-6.08	-6.93	-8.04	-9.46	-11.14	-12.59	-12.56	-10.71	-8.29	-6.09	-4.27	-2.81	-1.66	-0.79	-0.16	0.26	0.49	0.56	0.49	0.28	-0.05	-0.49
40	-5.73	-5.89	-5.85	-5.59	-5.18	-4.7	-4.24	-3.83	-3.52	-3.32	-3.22	-3.23	-3.35	-3.58	-3.95	-4.49	-5.23	-6.23	-7.53	-9.08	-10.44	-10.55	-9	-6.82	-4.79	-3.12	-1.8	-0.81	-0.09	0.39	0.66	0.75	0.68	0.48	0.15	-0.28
45	-5.32	-5.42	-5.26	-4.85	-4.29	-3.7	-3.14	-2.66	-2.28	-1.99	-1.8	-1.7	-1.68	-1.77	-1.97	-2.32	-2.85	-3.62	-4.68	-6.08	-7.73	-9.15	-9.24	-7.71	-5.65	-3.78	-2.28	-1.14	-0.33	0.22	0.52	0.63	0.58	0.39	0.09	-0.3
50	-4.66	-4.66	-4.37	-3.86	-3.24	-2.59	-1.99	-1.47	-1.04	-0.69	-0.43	-0.24	-0.15	-0.15	-0.26	-0.52	-0.96	-1.62	-2.55	-3.81	-5.42	-7.28	-8.72	-8.55	-6.87	-4.9	-3.22	-1.93	-1.02	-0.41	-0.08	0.03	-0.03	-0.23	-0.51	-0.84
55	-3.91	-3.82	-3.47	-2.93	-2.3	-1.64	-1.02	-0.47	0.02	0.43	0.75	0.99	1.13	1.17	1.07	0.83	0.41	-0.22	-1.09	-2.28	-3.82	-5.74	-7.81	-9.08	-8.39	-6.53	-4.68	-3.23	-2.21	-1.56	-1.22	-1.16	-1.29	-1.56	-1.89	-2.2
60	-3.28	-3.16	-2.82	-2.31	-1.69	-1.04	-0.39	0.23	0.78	1.26	1.64	1.92	2.08	2.11	1.99	1.71	1.26	0.61	-0.28	-1.44	-2.94	-4.84	-7.12	-9.34	-10.03	-8.6	-6.59	-4.93	-3.76	-3.05	-2.75	-2.8	-3.15	-3.7	-4.3	-4.77
65	-2.95	-2.86	-2.59	-2.14	-1.56	-0.88	-0.16	0.55	1.2	1.76	2.2	2.5	2.65	2.65	2.47	2.12	1.59	0.86	-0.08	-1.27	-2.77	-4.64	-6.97	-9.63	-11.5	-10.73	-8.52	-6.53	-5.13	-4.29	-3.97	-4.15	-4.82	-5.95	-7.46	-8.98
70	-3.01	-3.02	-2.87	-2.53	-1.96	-1.21	-0.36	0.5	1.27	1.93	2.42	2.73	2.86	2.79	2.52	2.06	1.41	0.57	-0.47	-1.73	-3.23	-5.07	-7.33	-10.02	-12.33	-11.96	-9.53	-7.21	-5.53	-4.47	-3.98	-4.05	-4.7	-6.01	-8.18	-11.62
75	-3.52	-3.7	-3.75	-3.51	-2.9	-1.98	-0.92	0.14	1.07	1.81	2.34	2.64	2.71	2.55	2.16	1.56	0.76	-0.23	-1.39	-2.69	-4.15	-5.8	-7.73	-9.9	-11.65	-11.32	-9.16	-6.86	-5.06	-3.82	-3.12	-2.93	-3.24	-4.1	-5.57	-7.82
80	-4.49	-4.94	-5.24	-5.09	-4.3	-3.05	-1.65	-0.37	0.7	1.51	2.03	2.28	2.26	1.98	1.44	0.67	-0.31	-1.44	-2.64	-3.84	-4.98	-6.09	-7.26	-8.49	-9.44	-9.37	-8.03	-6.18	-4.5	-3.22	-2.39	-2	-2.04	-2.51	-3.42	-4.77
85	-5.88	-6.71	-7.28	-7.02	-5.75	-3.99	-2.27	-0.81	0.32	1.11	1.58	1.73	1.59	1.15	0.44	-0.51	-1.63	-2.79	-3.8	-4.53	-4.98	-5.32	-5.74	-6.31	-6.92	-7.2	-6.75	-5.63	-4.31	-3.13	-2.28	-1.78	-1.66	-1.9	-2.48	-3.38
90	-7.53	-8.78	-9.4	-8.52	-6.51	-4.34	-2.48	-1.03	0.03	0.72	1.06	1.07	0.77	0.16	-0.72	-1.8	-2.92	-3.84	-4.3	-4.3	-4.09	-3.93	-3.99	-4.31	-4.83	-5.35	-5.57	-5.26	-4.51	-3.64	-2.89	-2.39	-2.19	-2.29	-2.67	-3.3
95	-9.05	-10.39	-10.37	-8.58	-6.2	-4.06	-2.35	-1.07	-0.19	0.33	0.5	0.34	-0.14	-0.91	-1.91	-2.99	-3.88	-4.26	-4.06	-3.53	-3	-2.67	-2.61	-2.85	-3.35	-4	-4.63	-5.01	-5	-4.67	-4.23	-3.86	-3.67	-3.69	-3.93	-4.35
100	-9.82	-10.59	-9.67	-7.6	-5.44	-3.6	-2.17	-1.14	-0.47	-0.15	-0.16	-0.5	-1.14	-2.04	-3.07	-4	-4.46	-4.27	-3.61	-2.84	-2.22	-1.85	-1.76	-1.97	-2.46	-3.17	-4.02	-4.89	-5.61	-6.05	-6.23	-6.24	-6.21	-6.22	-6.29	-6.42
105	-9.73	-9.73	-8.48	-6.65	-4.86	-3.37	-2.22	-1.43	-0.97	-0.84	-1.03	-1.54	-2.32	-3.3	-4.29	-4.95	-4.93	-4.3	-3.39	-2.53	-1.89	-1.52	-1.43	-1.63	-2.1	-2.84	-3.8	-4.96	-6.23	-7.52	-8.68	-9.56	-10.02	-10.03	-9.71	-9.23
110	-9.32	-8.87	-7.66	-6.17	-4.74	-3.56	-2.68	-2.1	-1.84	-1.89	-2.25	-2.91	-3.83	-4.87	-5.75	-6.05	-5.58	-4.61	-3.56	-2.65	-2	-1.63	-1.55	-1.74	-2.21	-2.96	-3.98	-5.29	-6.91	-8.85	-11.15	-13.63	-15.4	-15.1	-13.34	-11.55
115	-9.16	-8.51	-7.46	-6.28	-5.18	-4.28	-3.64	-3.27	-3.2	-3.43	-3.97	-4.8	-5.85	-6.92	-7.59	-7.41	-6.46	-5.22	-4.05	-3.11	-2.46	-2.09	-2.01	-2.2	-2.68	-3.44	-4.51	-5.91	-7.7	-10.02	-13.12	-17.48	-22.1	-19.31	-15.05	-12.25
120	-9.48	-8.78	-7.92	-7.03	-6.24	-5.61	-5.21	-5.06	-5.19	-5.61	-6.34	-7.36	-8.53	-9.5	-9.65	-8.77	-7.34	-5.89	-4.66	-3.72	-3.07	-2.72	-2.65	-2.86	-3.36	-4.14	-5.24	-6.68	-8.53	-10.95	-14.25	-19.18	-25.34	-20.62	-15.7	-12.69
125	-10.37	-9.74	-9.11	-8.53	-8.05	-7.71	-7.56	-7.65	-7.99	-8.63	-9.55	-10.7	-11.7	-11.9	-11	-9.43	-7.74	-6.26	-5.08	-4.2	-3.61	-3.29	-3.25	-3.48	-3.99	-4.77	-5.84	-7.22	-8.94	-11.07	-13.73	-17.14	-20.92	-21.03	-17.47	-14.36
130	-11.77	-11.38	-11.11	-10.94	-10.86	-10.87	-11	-11.3	-11.8	-12.5	-13.2	-13.7	-13.4	-12.2	-10.6	-8.91	-7.39	-6.11	-5.1	-4.35	-3.85	-3.6	-3.59	-3.82	-4.29	-5	-5.92	-7.05	-8.35	-9.8	-11.39	-13.2	-15.27	-17.45	-18.62	-17.44
135	-13.4	-13.6	-14.05	-14.67	-15.3	-15.78	-16	-15.8	-15.4	-14.8	-14	-13	-11.7	-10.4	-9.01	-7.73	-6.58	-5.61	-4.81	-4.22	-3.82	-3.61	-3.61	-3.81	-4.19	-4.73	-5.4	-6.16	-6.98	-7.83	-8.74	-9.79	-11.11	-12.88	-15.22	-17.92
140	-14.64	-15.88	-17.86	-20.76	-23.86	-23.1	-19.6	-16.6	-14.5	-12.8	-11.5	-10.3	-9.31	-8.34	-7.42	-6.54	-5.74	-5.03	-4.44	-3.98	-3.66	-3.49	-3.48	-3.6	-3.85	-4.21	-4.63	-5.1	-5.58	-6.1	-6.68	-7.41	-8.39	-9.75	-11.67	-14.41
145	-14.97	-17.1	-20.78	-28.37	-29.39	-20.69	-16.3	-13.6	-11.6	-10.2	-9.12	-8.23	-7.49	-6.82	-6.2	-5.61	-5.07	-4.57	-4.15	-3.81	-3.56	-3.42	-3.38	-3.44	-3.58	-3.78	-4.02	-4.29	-4.6	-4.95	-5.39	-5.98	-6.8	-7.95	-9.55	-11.83
150	-14.76	-16.92	-19.84	-21.77	-19.47	-16.03	-13.3	-11.2	-9.7	-8.52	-7.61	-6.89	-6.31	-5.82	-5.39	-5	-4.64	-4.32	-4.04	-3.8	-3.63	-3.51	-3.46	-3.47	-3.53	-3.63	-3.77	-3.94	-4.15	-4.44	-4.83	-5.38	-6.14	-7.2	-8.66	-10.7
155	-14.66	-16.3	-17.73	-17.65	-15.83	-13.57	-11.6	-9.92	-8.63	-7.61	-6.81	-6.18	-5.69	-5.29	-4.97	-4.7	-4.47	-4.28	-4.11	-3.97	-3.87	-3.8	-3.76	-3.75	-3.78	-3.84	-3.93	-4.06	-4.26	-4.54	-4.95	-5.51	-6.29	-7.35	-8.79	-10.77
160	-14.99	-15.88	-16.18	-15.43	-13.92	-12.21	-10.6	-9.29	-8.17	-7.27	-6.55	-5.97	-5.53	-5.18	-4.92	-4.71	-4.56	-4.45	-4.36	-4.3	-4.26	-4.24	-4.24	-4.26	-4.3	-4.37	-4.48	-4.65	-4.89	-5.23	-5.69	-6.33	-7.18	-8.32	-9.84	-11.92
165	-15.77	-15.74	-15.18	-14.11	-12.79	-11.43	-10.2	-9.06	-8.12	-7.32	-6.67	-6.14	-5.72	-5.4	-5.16	-4.98	-4.86	-4.78	-4.74	-4.73	-4.74	-4.78	-4.84	-4.92	-5.03	-5.18	-5.38	-5.65	-5.99	-6.45	-7.05	-7.82	-8.82	-10.13	-11.84	-14.14
170	-16.97	-15.86	-14.61	-13.33	-12.09	-10.95	-9.92	-9.01	-8.22	-7.54	-6.96	-6.49	-6.1	-5.79	-5.55	-5.37	-5.26	-5.19	-5.18	-5.2	-5.26	-5.36	-5.51	-5.69	-5.92	-6.21	-6.56	-7	-7.54	-8.2	-9.02	-10.04	-11.32	-12.95	-15.02	-17.61
175	-18.54	-16.29	-14.48	-12.99	-11.73	-10.65	-9.73	-8.93	-8.24	-7.65	-7.14	-6.72	-6.37	-6.09	-5.87	-5.71	-5.61	-5.57	-5.58	-5.66	-5.78	-5.97	-6.22	-6.54	-6.93	-7.41	-7.98	-8.67	-9.49	-10.49	-11.69	-13.18	-15.03	-17.38	-20.24	-22.59
180	-20.43	-17.21	-14.89	-13.11	-11.68	-10.51	-9.54	-8.73	-8.04	-7.47	-6.99	-6.6	-6.29	-6.06	-5.89	-5.8	-5.77	-5.81	-5.91	-6.08	-6.32	-6.64	-7.04	-7.53	-8.11	-8.81	-9.65	-10.6	-11.8	-13.3	-15.13	-17.53	-20.9	-26.2	-32.02	-25.42

EV - 2437 MHz

Azimuth (Phi°)

Elevation (Theta°)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
-180	-5.91	-6.08	-6.32	-6.64	-7.04	-7.53	-8.11	-8.81	-9.65	-10.6	-11.84	-13.3	-15.13	-17.5	-20.9	-26.2	-32.02	-25.42	-20.43	-17.2	-14.89	-13.11	-11.7	-10.5	-9.54	-8.73	-8.04	-7.47	-6.99	-6.6	-6.29	-6.06	-5.89	-5.8	-5.77	-5.81
-175	-5.37	-5.46	-5.65	-5.93	-6.31	-6.8	-7.42	-8.19	-9.13	-10.3	-11.7	-13.5	-15.85	-19.2	-24.62	-40.82	-27.22	-20.7	-17.13	-14.7	-12.94	-11.56	-10.5	-9.58	-8.85	-8.26	-7.77	-7.37	-7.04	-6.78	-6.58	-6.42	-6.31	-6.24	-6.22	-6.24
-170	-4.9	-4.91	-5.03	-5.26	-5.6	-6.08	-6.7	-7.49	-8.48	-9.71	-11.26	-13.2	-15.89	-19.8	-26.7	-35.34	-23.48	-18.59	-15.66	-13.6	-12.16	-11.05	-10.2	-9.56	-9.07	-8.69	-8.41	-8.18	-7.99	-7.82	-7.64	-7.46	-7.26	-7.06	-6.86	-6.67
-165	-4.71	-4.69	-4.78	-4.99	-5.33	-5.82	-6.45	-7.26	-8.28	-9.53	-11.1	-13.1	-15.67	-19.3	-24.65	-27.95	-22.57	-18.51	-15.86	-14	-12.71	-11.77	-11.1	-10.7	-10.42	-10.3	-10.28	-10.29	-10.28	-10.17	-9.92	-9.52	-8.99	-8.4	-7.79	-7.22
-160	-4.87	-4.9	-5.02	-5.27	-5.64	-6.15	-6.8	-7.61	-8.59	-9.78	-11.2	-12.9	-15.08	-17.8	-21.06	-23.89	-23.09	-20.23	-17.76	-16	-14.66	-13.8	-13.3	-13.1	-13.12	-13.42	-13.9	-14.42	-14.76	-14.63	-13.9	-12.69	-11.34	-10.03	-8.87	-7.89
-155	-5.48	-5.62	-5.84	-6.15	-6.56	-7.07	-7.68	-8.41	-9.24	-10.2	-11.3	-12.6	-14.18	-16.1	-18.61	-21.71	-24.67	-24.51	-21.9	-19.5	-17.9	-16.9	-16.5	-16.5	-17.16	-18.39	-20.29	-22.51	-22.83	-20.04	-16.8	-14.12	-12.01	-10.35	-9.06	-8.05
-150	-6.64	-6.96	-7.31	-7.68	-8.09	-8.52	-8.96	-9.43	-9.93	-10.5	-11.25	-12.2	-13.48	-15.2	-17.73	-21.51	-28.34	-36.59	-25.84	-21.4	-19.19	-18.1	-17.9	-18.6	-20.26	-23.59	-29.4	-26.49	-20.09	-16.01	-13.2	-11.08	-9.5	-8.32	-7.45	-6.87
-145	-8.52	-9.11	-9.6	-9.99	-10.25	-10.39	-10.44	-10.46	-10.55	-10.8	-11.32	-12.2	-13.56	-15.6	-18.8	-24.21	-32.55	-24.72	-19.73	-17.1	-15.63	-15.07	-15.3	-16.4	-18.81	-23.66	-32.81	-22.28	-16.29	-12.65	-10.1	-8.25	-6.87	-5.87	-5.2	-4.83
-140	-11.4	-12.3	-12.95	-13.14	-12.94	-12.49	-11.96	-11.53	-11.33	-11.5	-12.02	-13.1	-14.96	-18	-23.32	-30.46	-22.42	-17.45	-14.61	-12.9	-12	-11.74	-12.1	-13.3	-15.46	-19.62	-29.01	-22.43	-15.4	-11.39	-8.67	-6.69	-5.22	-4.14	-3.4	-2.98
-135	-15	-16.4	-16.97	-16.6	-15.67	-14.59	-13.63	-12.99	-12.75	-13	-13.9	-15.6	-18.74	-25.1	-34.97	-21.3	-16.13	-13.13	-11.2	-9.99	-9.33	-9.16	-9.48	-10.3	-11.75	-13.86	-16.25	-16.59	-13.81	-10.64	-8.06	-6.03	-4.45	-3.24	-2.35	-1.76
-130	-16.6	-17.7	-18.17	-18.05	-17.45	-16.6	-15.81	-15.35	-15.4	-16.1	-17.86	-21.3	-28.86	-27.9	-19.5	-15.08	-12.24	-10.29	-8.93	-8.03	-7.51	-7.34	-7.47	-7.89	-8.54	-9.33	-10.04	-10.32	-9.87	-8.74	-7.25	-5.7	-4.27	-3.03	-2.02	-1.26
-125	-14.7	-15.6	-16.48	-17.42	-18.24	-18.72	-18.92	-19.2	-19.99	-21.6	-24.18	-24.8	-20.9	-16.9	-13.84	-11.55	-9.83	-8.54	-7.59	-6.93	-6.5	-6.27	-6.18	-6.19	-6.24	-6.3	-6.32	-6.29	-6.19	-5.99	-5.61	-5.01	-4.19	-3.25	-2.3	-1.46
-120	-13.2	-14.4	-15.68	-17.25	-18.97	-20.61	-21.88	-22.54	-22.4	-21.2	-19.03	-16.6	-14.37	-12.4	-10.82	-9.53	-8.51	-7.72	-7.12	-6.67	-6.31	-5.99	-5.66	-5.3	-4.89	-4.48	-4.1	-3.81	-3.64	-3.6	-3.67	-3.74	-3.69	-3.41	-2.88	-2.21
-115	-13.2	-14.7	-16.15	-17.52	-18.63	-19.26	-19.2	-18.41	-17.06	-15.5	-13.84	-12.4	-11.1	-10.1	-9.21	-8.57	-8.1	-7.76	-7.5	-7.26	-6.96	-6.53	-5.94	-5.21	-4.42	-3.64	-2.96	-2.44	-2.1	-1.97	-2.05	-2.31	-2.67	-3	-3.16	-3.07
-110	-14.6	-15.8	-16.19	-16	-15.64	-15.25	-14.75	-14.02	-13.05	-12	-10.89	-9.99	-9.29	-8.8	-8.52	-8.41	-8.44	-8.57	-8.7	-8.71	-8.48	-7.9	-6.99	-5.87	-4.71	-3.61	-2.67	-1.91	-1.37	-1.06	-0.99	-1.14	-1.49	-2.01	-2.6	-3.17
-105	-15.8	-15	-13.73	-12.71	-12.09	-11.73	-11.44	-11.02	-10.41	-9.71	-9.05	-8.55	-8.27	-8.22	-8.39	-8.77	-9.32	-9.96	-10.6	-11	-10.87	-10.06	-8.71	-7.14	-5.59	-4.18	-2.98	-2.01	-1.26	-0.74	-0.45	-0.38	-0.52	-0.87	-1.41	-2.14
-100	-13.9	-12	-10.59	-9.77	-9.39	-9.25	-9.15	-8.94	-8.57	-8.14	-7.77	-7.58	-7.63	-7.93	-8.49	-9.3	-10.33	-11.55	-12.86	-13.9	-14.06	-12.86	-10.8	-8.69	-6.73	-5.04	-3.63	-2.47	-1.55	-0.84	-0.33	-0.02	0.11	0.05	-0.2	-0.66
-95	-10.7	-9.2	-8.24	-7.77	-7.65	-7.69	-7.7	-7.56	-7.28	-6.97	-6.78	-6.79	-7.07	-7.63	-8.47	-9.59	-10.99	-12.7	-14.77	-17	-18.12	-16.19	-13	-10.1	-7.72	-5.8	-4.25	-2.99	-1.97	-1.14	-0.48	0.03	0.4	0.63	0.69	0.58
-90	-8.29	-7.3	-6.79	-6.67	-6.8	-6.97	-6.99	-6.8	-6.46	-6.15	-6.01	-6.11	-6.51	-7.21	-8.2	-9.48	-11.07	-13.06	-15.73	-19.8	-25.14	-20.63	-14.9	-11.1	-8.32	-6.24	-4.63	-3.36	-2.33	-1.47	-0.75	-0.12	0.41	0.85	1.17	1.35
-85	-6.72	-6.23	-6.13	-6.36	-6.75	-7.03	-6.99	-6.62	-6.11	-5.69	-5.5	-5.61	-6.04	-6.79	-7.85	-9.2	-10.83	-12.84	-15.5	-19.7	-27.62	-22.86	-15.8	-11.6	-8.64	-6.5	-4.87	-3.61	-2.61	-1.78	-1.06	-0.41	0.21	0.77	1.26	1.64
-80	-5.85	-5.79	-6.11	-6.75	-7.47	-7.89	-7.7	-7.02	-6.22	-5.61	-5.31	-5.38	-5.8	-6.56	-7.64	-8.99	-10.52	-12.17	-13.84	-15.4	-16.34	-15.66	-13.5	-10.9	-8.6	-6.69	-5.15	-3.93	-2.95	-2.14	-1.45	-0.8	-0.18	0.43	1.01	1.51
-75	-5.49	-5.83	-6.58	-7.71	-8.95	-9.61	-9.15	-7.97	-6.79	-5.94	-5.51	-5.5	-5.89	-6.65	-7.71	-8.97	-10.19	-11.06	-11.39	-11.3	-10.89	-10.38	-9.7	-8.82	-7.75	-6.58	-5.44	-4.4	-3.48	-2.69	-1.99	-1.35	-0.73	-0.12	0.47	1.02
-70	-5.46	-6.15	-7.33	-9.06	-11.11	-12.32	-11.38	-9.44	-7.77	-6.65	-6.08	-6	-6.35	-7.08	-8.08	-9.12	-9.79	-9.78	-9.15	-8.32	-7.56	-7	-6.62	-6.38	-6.17	-5.88	-5.44	-4.86	-4.19	-3.48	-2.79	-2.13	-1.49	-0.88	-0.29	0.25
-65	-5.62	-6.59	-8.13	-10.47	-13.7	-16.22	-14.38	-11.3	-9.08	-7.71	-7.01	-6.85	-7.16	-7.83	-8.69	-9.36	-9.4	-8.68	-7.55	-6.42	-5.51	-4.88	-4.53	-4.44	-4.54	-4.77	-4.98	-5.04	-4.87	-4.44	-3.85	-3.17	-2.5	-1.85	-1.26	-0.72
-60	-5.87	-7.06	-8.86	-11.62	-16.02	-21.55	-17.87	-13.27	-10.56	-8.99	-8.19	-7.97	-8.22	-8.78	-9.41	-9.66	-9.15	-8.01	-6.65	-5.4	-4.41	-3.72	-3.32	-3.22	-3.38	-3.76	-4.3	-4.85	-5.26	-5.33	-5.04	-4.47	-3.77	-3.07	-2.43	-1.87
-55	-6.22	-7.6	-9.58	-12.59	-17.66	-28.06	-20.78	-14.93	-11.94	-10.3	-9.41	-9.14	-9.31	-9.72	-10.08	-9.97	-9.15	-7.83	-6.41	-5.13	-4.1	-3.35	-2.89	-2.72	-2.82	-3.19	-3.78	-4.53	-5.31	-5.91	-6.1	-5.83	-5.23	-4.51	-3.8	-3.19
-50	-6.75	-8.35	-10.57	-13.87	-19.56	-36.43	-21.41	-15.67	-12.79	-11.2	-10.33	-10	-10.11	-10.4	-10.57	-10.3	-9.42	-8.14	-6.75	-5.49	-4.44	-3.65	-3.12	-2.86	-2.87	-3.13	-3.65	-4.38	-5.25	-6.13	-6.77	-6.96	-6.66	-6.04	-5.32	-4.65
-45	-7.61	-9.54	-12.19	-16.2	-23.92	-31.53	-19.43	-15.05	-12.65	-11.3	-10.53	-10.3	-10.33	-10.6	-10.74	-10.57	-9.88	-8.79	-7.53	-6.33	-5.29	-4.46	-3.87	-3.52	-3.41	-3.55	-3.92	-4.51	-5.29	-6.18	-7.01	-7.58	-7.7	-7.38	-6.78	-6.11
-40	-8.97	-11.5	-15.01	-21.08	-43.16	-21.8	-16.21	-13.28	-11.51	-10.5	-9.92	-9.76	-9.9	-10.2	-10.54	-10.64	-10.32	-9.56	-8.52	-7.43	-6.42	-5.57	-4.92	-4.49	-4.27	-4.27	-4.48	-4.9	-5.5	-6.25	-7.04	-7.74	-8.17	-8.19	-7.85	-7.28
-35	-11.1	-14.7	-20.56	-44.38	-22.1	-16.18	-13.06	-11.12	-9.88	-9.15	-8.8	-8.78	-9.02	-9.45	-9.96	-10.37	-10.47	-10.13	-9.41	-8.48	-7.54	-6.71	-6.02	-5.52	-5.22	-5.1	-5.18	-5.44	-5.87	-6.44	-7.09	-7.73	-8.24	-8.46	-8.36	-7.96
-30	-14.6	-20.8	-54.17	-21.22	-15.55	-12.44	-10.45	-9.11	-8.25	-7.75	-7.55	-7.63	-7.94	-8.44	-9.06	-9.69	-10.14	-10.24	-9.9	-9.25	-8.46	-7.68	-7	-6.48	-6.12	-5.94	-5.92	-6.07	-6.37	-6.79	-7.3	-7.82	-8.26	-8.51	-8.49	-8.2
-25	-21.2	-41.6	-20.22	-14.86	-11.82	-9.82	-8.43	-7.47	-6.84	-6.5	-6.4	-6.52	-6.84	-7.34	-7.98	-8.67	-9.32	-9.76	-9.87	-9.61	-9.11	-8.51	-7.93	-7.45	-7.09	-6.88	-6.82	-6.9	-7.1	-7.41	-7.79	-8.17	-8.49	-8.65	-8.58	-8.28
-20	-37.1	-19.6	-14.42	-11.42	-9.41	-7.97	-6.94	-6.21	-5.74	-5.48	-5.42	-5.54	-5.83	-6.27	-6.84	-7.49	-8.18	-8.81	-9.28	-9.51	-9.49	-9.27	-8.96	-8.63	-8.37	-8.19	-8.12	-8.16	-8.3	-8.5	-8.74	-8.95	-9.08	-9.06	-8.84	-8.42
-15	-19.2	-14.3	-11.29	-9.26	-7.79	-6.69	-5.88	-5.3	-4.91	-4.7	-4.64	-4.72	-4.94	-5.28	-5.74	-6.29	-6.91	-7.57	-8.22	-8.82	-9.31	-9.67	-9.9	-10	-10.08	-10.11	-10.16	-10.22	-10.31	-10.39	-10.4	-10.38	-10.2	-9.86	-9.36	-8.74
-10	-14.2	-11.4	-9.35	-7.85	-6.7	-5.82	-5.15	-4.65	-4.3	-4.09	-4	-4.02	-4.15	-4.38	-4.7	-5.11	-5.61	-6.18	-6.82	-7.52	-8.27	-9.06	-9.86	-10.7	-11.46	-12.19	-12.84	-13.34	-13.63	-13.66	-13.4	-12.84	-12.09	-11.2	-10.25	-9.29
-5	-11.6	-9.61	-8.11	-6.94	-5.99	-5.24	-4.64	-4.18	-3.83	-3.58	-3.43	-3.37	-3.39	-3.49	-3.67	-3.93	-4.27	-4.69	-5.19	-5.77	-6.46	-7.24	-8.15	-9.19	-10.4	-11.82	-13.46	-15.37	-17.4	-18.98	-19	-17.44	-15.37	-13.4	-11.69	-10.22
0	-9.94	-8.51	-7.33	-6.36	-5.54	-4.86	-4.28	-3.8	-3.41	-3.1	-2.87	-2.7	-2.61	-2.58	-2.61	-2.72	-2.89	-3.13	-3.45	-3.85	-4.33	-4.92	-5.62	-6.45	-7.44	-8.63	-10.09	-11.93	-14.32	-17.69	-23	-29.08	-22.34	-17.29	-14.05	-11.72
5	-8.95	-7.84	-6.87	-6.01	-5.25	-4.58	-3.99	-3.46	-3.01	-2.61	-2.28	-2	-1.78	-1.62	-1.52	-1.48	-1.5	-1.59	-1.75	-1.98	-2.29	-2.69	-3.19	-3.8	-4.54	-5.44	-6.53	-7.86	-9.53	-11.69	-14.7	-19.33	-30.12	-26.75	-18.34	-14.23
10	-8.36	-7.45	-6.6	-5.8	-5.06	-4.36	-3.73	-3.14	-2.6	-2.11	-1.68	-1.3	-0.96	-0.69	-0.47	-0.31	-0.21	-0.18	-0.22	-0.33	-0.52	-0.79	-1.16	-1.63	-2.21	-2.93	-3.8	-4.85	-6.14	-7.75	-9.79	-12.53	-16.6	-24.33	-29.77	-18.88
15	-8.02	-7.25	-6.46	-5.68	-4.92	-4.19	-3.5	-2.84	-2.23	-1.66	-1.13	-0.66	-0.24	0.13	0.44	0.7	0.88	1	1.06	1.03	0.93	0.74	0.46	0.08	-0.41	-1.01	-1.75	-2.65	-3.73	-5.05	-6.66	-8.7	-11.4	-15.32	-22.44	-33.09
20	-7.84	-7.15	-6.4	-5.62	-4.84	-4.08	-3.34	-2.63	-1.96	-1.32	-0.73	-0.18	0.31	0.76	1.14	1.47	1.73	1.92	2.04	2.08	2.04	1.92	1.7	1.39	0.97	0.44	-0.22	-1.02	-1.97	-3.11	-4.48	-6.14	-8.21	-10.92	-14.8	-21.69
25	-7.77	-7.11	-6.37	-5.6	-4.82	-4.05	-3.29	-2.56	-1.85	-1.17	-0.53	0.07	0.63	1.14	1.59	1.98	2.3	2.56	2.75	2.85	2.87	2.8	2.64	2.38	2.01	1.52	0.92	0.19	-0.68	-1.7	-2.91	-4.33	-6.03	-8.12	-10.81	-14.62
30	-7.68	-7.03	-6.31	-5.57	-4.83	-4.1	-3.37	-2.65	-1.94	-1.24	-0.56	0.09	0.7	1.27	1.78	2.24	2.64	2.96	3.21	3.37	3.45	3.44	3.32	3.1	2.77	2.32	1.76	1.06	0.25	-0.71	-1.8	-3.06	-4.51	-6.21	-8.28	-10.91
35	-7.38	-6.73	-6.06	-5.41	-4.78	-4.15	-3.51	-2.86	-2.18	-1.5	-0.8	-0.12	0.55	1.18	1.76	2.29	2.76	3.16	3.48	3.71	3.85	3.89	3.82	3.64	3.33	2.9	2.35	1.68	0.88	-0.03	-1.06	-2.21	-3.49	-4.93	-6.59	-8.58
40	-6.65	-6.03	-5.47	-4.98	-4.52	-4.07	-3.6	-3.08	-2.51	-1.89	-1.21	-0.51	0.2	0.9	1.57	2.19	2.74	3.23	3.62	3.93	4.13	4.22	4.19	4.03	3.75	3.33	2.78	2.1	1.3	0.39	-0.61	-1.7	-2.86	-4.11	-5.48	-7.06
45	-5.48	-4.95	-4.53	-4.21	-3.94	-3.71	-3.47	-3.18	-2.8	-2.32	-1.73	-1.04	-0.3	0.48	1.24	1.96	2.62	3.2	3.68	4.05	4.31	4.45	4.46	4.33	4.06	3.65	3.1	2.41	1.58	0.65	-0.37	-1.44	-2.54	-3.65	-4.81	-6.09
50	-4.09	-3.66	-3.36	-3.18	-3.08	-3.05	-3.05	-3.04	-2.95	-2.72	-2.31	-1.7	-0.93	-0.08	0.8	1.65	2.42	3.1	3.66	4.1	4.41	4.59	4.64	4.54	4.29	3.9	3.34	2.64	1.79	0.82	-0.24	-1.34	-2.42	-3.45	-4.46	-5.51
55	-2.71	-2.35	-2.11	-2	-2.02	-2.14	-2.37	-2.65	-2.92	-3.07	-2.97	-2.52	-1.76	-0.8	0.23	1.23	2.13	2.91	3.55	4.04	4.4	4.62	4.7	4.63	4.42	4.05	3.51	2.81	1.95	0.93	-0.19	-1.34	-2.45	-3.44	-4.32	-5.19
60	-1.42	-1.08	-0.87	-0.79	-0.87	-1.11	-1.53	-2.11	-2.79	-3.44	-3.81	-3.65	-2.9	-1.76	-0.51	0.67	1.71	2.58	3.29	3.83	4.22	4.47	4.58	4.56	4.39	4.06	3.56	2.88	2.02	0.98	-0.19	-1.42	-2.57	-3.55	-4.33	-5.03
65	-0.27	0.08	0.29	0.35	0.21	-0.15	-0.75	-1.61	-2.72	-3.98	-5.06	-5.35	-4.54	-3.05	-1.47	-0.04	1.14	2.09	2.83	3.39	3.8	4.07	4.21	4.23	4.11	3.84	3.4	2.77	1.92	0.88	-0.34	-1.63	-2.85	-3.81	-4.47	-4.99
70	0.72	1.07	1.27	1.28	1.06	0.58	-0.21	-1.37	-2.93	-4.93	-7.05	-8.07	-6.85	-4.62	-2.55	-0.88	0.41	1.4	2.14	2.68	3.08	3.35	3.51	3.57	3.51	3.3	2.93	2.35	1.55	0.51	-0.73	-2.09	-3.36	-4.29	-4.81	-5.1
75	1.47	1.79	1.92	1.85	1.51	0.87	-0.13	-1.58	-3.64	-6.55	-10.43	-12.7	-9.59	-6.08	-3.55	-1.75	-0.46	0.48	1.15	1.62	1.96	2.2	2.36	2.45	2.45	2.33	2.04	1.54	0.8	-0.22	-1.48	-2.9	-4.23	-5.14	-5.47	-5.46
80	1.89	2.11	2.13	1.91	1.42	0.58	-0.67	-2.48	-5.11	-9.21	-16.99	-19.3	-10.74	-6.65	-4.19	-2.57	-1.47	-0.73	-0.23	0.09	0.3	0.46	0.6	0.72	0.8	0.78	0.62	0.23	-0.42	-1.38	-2.65	-4.14	-5.58	-6.49	-6.59	-6.21
85	1.88	1.93	1.77	1.34	0.61	-0.5	-2.09	-4.36	-7.75	-13.5	-24.07	-14.5	-9.17	-6.3	-4.53	-3.42	-2.73	-2.35	-2.18	-2.14	-2.16	-2.14	-2.05	-1.87	-1.64	-1.46	-1.42	-1.61	-2.09	-2.94	-4.17	-5.75	-7.4	-8.46	-8.38	-7.55
90	1.35	1.15	0.71	-0.02	-1.1	-2.63	-4.77	-7.84	-12.45	-18	-14.59	-10.2	-7.5	-5.9	-4.97	-4.53	-4.45	-4.64	-5.01	-5.47	-5.87	-6.08	-5.97	-5.54	-4.93	-4.33	-3.9	-3.75	-3.96	-4.59	-5.69	-7.3	-9.26	-10.88	-10.95	-9.68
95	0.26	-0.29	-1.14	-2.33	-3.98	-6.3	-9.66	-15.04	-21.78	-15.6	-10.98	-8.39	-6.89	-6.12	-5.89	-6.12	-6.74	-7.68	-8.85	-10	-10.76	-10.74	-9.93	-8.72	-7.48	-6.42	-5.65	-5.22	-5.18	-5.58	-6.47	-7.93	-10.01	-12.44	-13.79	-12.7
100	-1.35	-2.31	-3.59	-5.31	-7.66	-11	-16.26	-23.06	-17.32	-12.6	-9.9	-8.31	-7.44	-7.14	-7.29	-7.84	-8.69	-9.65	-10.34	-10.4	-9.72	-8.72	-7.68	-6.76	-6.02	-5.45	-5.07	-4.91	-5	-5.4	-6.18	-7.43	-9.23	-11.65	-14.31	-15.39
105	-3.02	-4.04	-5.19	-6.45	-7.81	-9.23	-10.59	-11.61	-11.92	-11.5	-10.61	-9.71	-8.97	-8.44	-8.11	-7.89	-7.67	-7.3	-6.8	-6.11	-5.37	-4.67	-4.09	-3.66	-3.4	-3.31	-3.39	-3.62	-4.03	-4.63	-5.47	-6.61	-8.11	-10.04	-12.39	-14.73
110	-3.62	-3.91	-4.09	-4.3	-4.67	-5.31	-6.33	-7.8	-9.77	-12	-13.25	-12.3	-10.26	-8.36	-6.87	-5.74	-4.88	-4.19	-3.61	-3.09	-2.61	-2.21	-1.89	-1.69	-1.64	-1.76	-2.05	-2.51	-3.15	-3.96	-4.94	-6.11	-7.47	-9.04	-10.83	-12.75
115	-2.76	-2.39	-2.11	-2.42	-3.14	-4.4	-6.36	-9.39	-14.2	-18.55	-13.35	-9.18	-6.45	-4.64	-3.42	-2.59	-2.02	-1.63	-1.35	-1.12	-0.93	-0.8	-0.73	-0.78	-0.97	-1.34	-1.9	-2.66	-3.62	-4.77	-6.07	-7.46	-8.9	-10.35	-11.79	[illegible]
120	-1.56	-1.06	-0.82	-0.91	-1.39	-2.35	-3.92	-6.4	-10.52	-19.3	-19.83	-10.9	-6.82	-4.38	-2.81	-1.78	-1.14	-0.77	-0.6	-0.53	-0.53	-0.54	-0.56	-0.64	-0.84	-1.19	-1.75	-2.53	-3.56	-4.83	-6.3	-7.9	-9.48	-10.92	-12.14	[illegible]
125	-0.82	-0.45	-0.38	-0.67	-1.39	-2.64	-4.62	-7.78	-13.58	-53	-13.85	-8.05	-4.92	-2.95	-1.68	-0.88	-0.44	-0.26	-0.29	-0.44	-0.64	-0.83	-0.95	-1.02	-1.09	-1.21	-1.47	-1.93	-2.63	-3.6	-4.88	-6.45	-8.28	-10.24	-12.1	-13.61
130	-0.78	-0.6	-0.76	-1.29	-2.3	-3.92	-6.46	-10.74	-20.69	-18.9	-10.2	-6.2	-3.78	-2.2	-1.2	-0.61	-0.35	-0.35	-0.57	-0.92	-1.33	-1.69	-1.92	-2	-1.98	-1.97	-2.06	-2.33	-2.84	-3.64	-4.76	-6.22	-8.03	-10.16	-12.5	-14.79
135	-1.47	-1.5	-1.89	-2.69	-4.01	-6.07	-9.33	-15.06	-20.99	-12.8	-8.01	-5.15	-3.27	-2.04	-1.27	-0.86	-0.77	-0.94	-1.33	-1.87	-2.48	-3	-3.32	-3.36	-3.2	-2.98	-2.84	-2.88	-3.15	-3.71	-4.56	-5.72	-7.19	-8.96	-10.97	-13.08
140	-2.86	-3.06	-3.63	-4.62	-6.14	-8.37	-11.43	-14.19	-12.79	-9.38	-6.63	-4.65	-3.27	-2.34	-1.79	-1.56	-1.61	-1.93	-2.47	-3.18	-3.96	-4.63	-4.99	-4.96	-4.62	-4.17	-3.79	-3.59	-3.63	-3.92	-4.47	-5.27	-6.3	-7.5	-8.82	-10.15
145	-4.74	-4.96	-5.48	-6.32	-7.46	-8.76	-9.8	-9.88	-8.83	-7.28	-5.78	-4.56	-3.64	-3.02	-2.69	-2.62	-2.82	-3.25	-3.91	-4.74	-5.63	-6.38	-6.76	-6.63	-6.12	-5.49	-4.92	-4.53	-4.35	-4.4	-4.66	-5.11	-5.7	-6.39	-7.13	-7.85
150	-6.53	-6.41	-6.48	-6.7	-7	-7.26	-7.35	-7.16	-6.71	-6.08	-5.41	-4.8	-4.33	-4.03	-3.93	-4.03	-4.35	-4.87	-5.6	-6.47	-7.37	-8.11	-8.43	-8.23	-7.64	-6.9	-6.22	-5.69	-5.34	-5.17	-5.16	-5.27	-5.48	-5.74	-6.03	-6.33
155	-7.29	-6.74	-6.36	-6.13	-6	-5.93	-5.89	-5.84	-5.76	-5.64	-5.52	-5.41	-5.35	-5.38	-5.52	-5.8	-6.24	-6.83	-7.56	-8.39	-9.18	-9.77	-9.96	-9.69	-9.09	-8.34	-7.62	-6.99	-6.5	-6.14	[illegible]	-5.65	-5.52	-5.44	-5.41	-5.42
160	-7.09	-6.47	-6.01	-5.7	-5.51	-5.44	-5.46	-5.56	-5.72	-5.92	-6.16	-6.43	-6.74	-7.11	-7.52	-8.01	-8.59	-9.24	-9.95	-10.6	-11.2	-11.5	-11.5	-11	-10.4	-9.65	-8.89	-8.18	-7.54	-6.97	-6.47	-6.04	-5.67	-5.36	-5.12	-4.95
165	-6.73	-6.32	-6.02	-5.83	-5.75	-5.78	-5.91	-6.14	-6.47	-6.89	-7.38	-7.95	-8.59	-9.27	-10.02	-10.8	-11.6	-12.37	-13.03	-13.5	-13.65	-13.46	-13	-12.2	-11.38	-10.51	-9.66	-8.85	-8.1	-7.41	-6.79	-6.24	-5.77	-5.37	-5.05	-4.83
170	-6.52	-6.41	-6.37	-6.39	-6.49	-6.67	-6.95	-7.33	-7.8	-8.39	-9.09	-9.91	-10.85	-11.9	-13.12	-14.41	-15.69	-16.77	-17.33	-17.2	-16.33	-15.16	-13.9	-12.7	-11.55	-10.52	-9.59	-8.75	-7.99	-7.32	-6.73	-6.21	-5.78	-5.43	-5.16	-4.99
175	-6.31	-6.43	-6.61	-6.84	-7.14	-7.51	-7.97	-8.51	-9.17	-9.95	-10.87	-12	-13.29	-14.9	-16.84	-19.22	-21.86	-23.41	-22.1	-19.5	-17	-14.96	-13.3	-11.9	-10.71	-9.7	-8.84	-8.1	-7.46	-6.91	-6.46	-6.08	-5.78	-5.56	-5.42	-5.35
180	-5.91	-6.08	-6.32	-6.64	-7.04	-7.53	-8.11	-8.81	-9.65	-10.6	-11.84	-13.3	-15.13	-17.5	-20.9	-26.2	-32.02	-25.42	-20.43	-17.2	-14.89	-13.11	-11.7	-10.5	-9.54	-8.73	-8.04	-7.47	-6.99	-6.6	-6.29	-6.06	-5.89	-5.8	-5.77	-5.81

ANT2 (2G1) @2437 MHz



EH - 2462 MHz

Azimuth (Phi°)

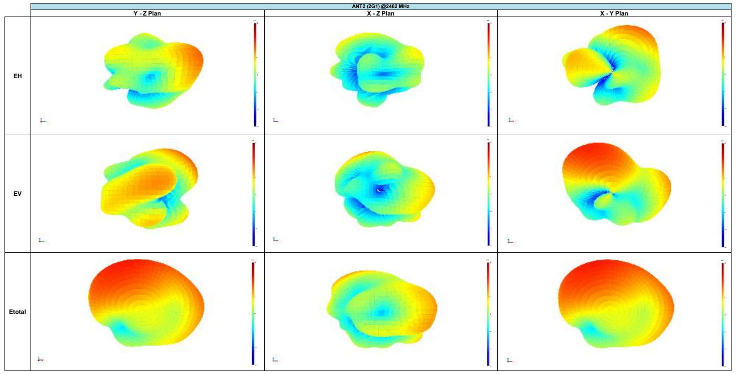
Elevation (Theta°)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
-180	-37.36	-28.12	-21.2	-17.42	-14.84	-12.9	-11.4	-10.1	-9.1	-8.24	-7.52	-6.92	-6.41	-6	-5.67	-5.41	-5.23	-5.12	-5.07	-5.09	-5.17	-5.33	-5.55	-5.85	-6.23	-6.69	-7.25	-7.92	-8.72	-9.67	-10.81	-12.21	-13.95	-16.21	-19.38	-24.5
-175	-27.55	-28.45	-21.2	-17.01	-14.22	-12.19	-10.6	-9.39	-8.39	-7.59	-6.95	-6.44	-6.05	-5.76	-5.57	-5.46	-5.42	-5.46	-5.57	-5.74	-5.97	-6.25	-6.59	-6.99	-7.44	-7.95	-8.53	-9.18	-9.92	-10.77	-11.76	-12.93	-14.35	-16.13	-18.43	-21.49
-170	-20.79	-25.99	-22.36	-17.44	-14.16	-11.83	-10.1	-8.77	-7.74	-6.94	-6.33	-5.88	-5.58	-5.4	-5.34	-5.39	-5.53	-5.76	-6.08	-6.47	-6.92	-7.42	-7.95	-8.49	-9.02	-9.53	-10	-10.4	-10.9	-11.29	-11.79	-12.4	-13.17	-14.19	-15.55	-17.37
-165	-16.92	-22.13	-24.09	-18.61	-14.58	-11.86	-9.91	-8.45	-7.36	-6.55	-5.96	-5.55	-5.31	-5.22	-5.26	-5.43	-5.72	-6.12	-6.64	-7.27	-8	-8.81	-9.67	-10.5	-11.22	-11.74	-12	-12	-11.8	-11.64	-11.53	-11.56	-11.81	-12.34	-13.21	-14.53
-160	-14.55	-19.19	-24.64	-20.14	-15.28	-12.15	-10	-8.47	-7.35	-6.55	-5.99	-5.63	-5.45	-5.43	-5.55	-5.79	-6.17	-6.69	-7.34	-8.14	-9.11	-10.25	-11.56	-12.97	-14.27	-15.09	-15.1	-14.4	-13.3	-12.38	-11.63	-11.15	-10.98	-11.15	-11.69	-12.68
-155	-13.43	-17.73	-23.85	-21.1	-15.81	-12.49	-10.3	-8.77	-7.7	-6.97	-6.5	-6.24	-6.15	-6.21	-6.4	-6.7	-7.11	-7.65	-8.31	-9.13	-10.15	-11.42	-13.02	-15.06	-17.59	-20.13	-20.6	-18.5	-15.9	-13.89	-12.4	-11.39	-10.81	-10.62	-10.84	-11.52
-150	-13.56	-17.83	-23.19	-20.35	-15.6	-12.56	-10.6	-9.24	-8.36	-7.82	-7.55	-7.47	-7.56	-7.76	-8.05	-8.4	-8.82	-9.3	-9.85	-10.51	-11.32	-12.36	-13.72	-15.6	-18.33	-22.79	-31.7	-26.9	-20.1	-16.34	-13.9	-12.26	-11.19	-10.61	-10.47	-10.79
-145	-15.04	-19.13	-21.22	-17.78	-14.41	-12.13	-10.7	-9.74	-9.26	-9.1	-9.19	-9.48	-9.9	-10.4	-10.9	-11.4	-11.76	-12.11	-12.43	-12.76	-13.16	-13.71	-14.48	-15.61	-17.3	-19.94	-24.5	-31.7	-25.2	-19.36	-15.83	-13.47	-11.87	-10.85	-10.32	-10.26
-140	-17.09	-18.53	-16.99	-14.51	-12.55	-11.23	-10.5	-10.2	-10.3	-10.8	-11.5	-12.4	-13.5	-14.5	-15.3	-15.8	-15.99	-16.04	-16	-15.94	-15.92	-16.01	-16.26	-16.78	-17.7	-19.24	-21.8	-25.7	-26.7	-21.58	-17.36	-14.43	-12.38	-10.97	-10.1	-9.7
-135	-15.87	-14.56	-12.93	-11.55	-10.61	-10.13	-10.1	-10.6	-11.4	-12.7	-14.3	-15.9	-16.9	-17	-16.3	-15.6	-15.09	-14.86	-14.92	-15.25	-15.83	-16.6	-17.55	-18.67	-20.09	-22.05	-25.2	-29.9	-27.6	-21.51	-17.28	-14.31	-12.16	-10.63	-9.6	-9
-130	-12.39	-11.05	-10	-9.31	-9.03	-9.17	-9.78	-10.9	-12.5	-14.4	-16	-16.1	-14.7	-13.1	-11.8	-10.9	-10.33	-10.15	-10.28	-10.7	-11.44	-12.51	-13.96	-15.89	-18.45	-22	-26.7	-27	-21.9	-17.91	-14.95	-12.71	-10.99	-9.7	-8.79	-8.21
-125	-9.88	-8.85	-8.18	-7.9	-8.04	-8.63	-9.72	-11.4	-13.5	-15.3	-15.2	-13.3	-11.3	-9.66	-8.48	-7.69	-7.22	-7.02	-7.08	-7.38	-7.93	-8.75	-9.85	-11.23	-12.84	-14.49	-15.6	-15.6	-14.5	-13	-11.51	-10.23	-9.2	-8.42	-7.85	-7.49
-120	-8.66	-7.8	-7.35	-7.32	-7.74	-8.66	-10.1	-12.2	-14.5	-15.2	-13.5	-11.2	-9.25	-7.8	-6.75	-6.03	-5.57	-5.35	-5.33	-5.52	-5.9	-6.47	-7.22	-8.1	-9.01	-9.78	-10.2	-10.1	-9.67	-9.01	-8.34	-7.78	-7.37	-7.12	-7.01	-7.01
-115	-8.43	-7.68	-7.37	-7.5	-8.13	-9.32	-11.2	-13.6	-15.6	-15	-12.5	-10.2	-8.4	-7.1	-6.17	-5.51	-5.09	-4.85	-4.78	-4.88	-5.12	-5.49	-5.95	-6.43	-6.84	-7.07	-7.08	-6.88	-6.56	-6.22	-5.95	-5.82	-5.86	-6.06	-6.42	-6.87
-110	-8.56	-8.05	-7.92	-8.24	-9.08	-10.54	-12.7	-15.5	-16.8	-14.9	-12.2	-9.99	-8.41	-7.29	-6.5	-5.96	-5.61	-5.41	-5.34	-5.39	-5.52	-5.71	-5.89	-6	-5.97	-5.77	-5.45	-5.07	-4.73	-4.5	-4.42	-4.52	-4.84	-5.38	-6.13	-7.04
-105	-8.05	-8.13	-8.43	-9.07	-10.2	-11.99	-14.6	-17.5	-17.6	-14.8	-12.2	-10.2	-8.9	-8.03	-7.48	-7.17	-7.01	-6.97	-7.01	-7.09	-7.16	-7.18	-7.07	-6.76	-6.27	-5.65	-5	-4.41	-3.98	-3.73	-3.7	-3.91	-4.36	-5.07	-6.06	-7.32
-100	-6.69	-7.46	-8.37	-9.5	-11.04	-13.22	-16.2	-19.1	-18	-14.7	-12.2	-10.4	-9.33	-8.73	-8.51	-8.57	-8.84	-9.23	-9.64	-9.98	-10.15	-10.04	-9.56	-8.75	-7.71	-6.62	-5.61	-4.78	-4.18	-3.84	-3.75	-3.93	-4.36	-5.05	-6.03	-7.32
-95	-5.4	-6.68	-8.12	-9.73	-11.68	-14.26	-17.8	-21	-18.6	-14.7	-12	-10.3	-9.23	-8.73	-8.69	-9.05	-9.74	-10.69	-11.77	-12.78	-13.42	-13.43	-12.71	-11.45	-9.95	-8.46	-7.13	-6.05	-5.24	-4.71	-4.45	-4.44	-4.66	-5.1	-5.77	-6.71
-90	-4.95	-6.65	-8.55	-10.59	-12.85	-15.71	-20.1	-25.5	-20.4	-15.2	-12	-9.98	-8.72	-8.06	-7.91	-8.18	-8.84	-9.79	-10.89	-11.92	-12.61	-12.8	-12.5	-11.83	-10.89	-9.78	-8.63	-7.54	-6.62	-5.9	-5.38	-5.06	-4.91	-4.94	-5.15	-5.61
-85	-5.75	-8.04	-10.56	-12.92	-14.88	-16.99	-20.7	-31.9	-24.9	-16.6	-12.4	-9.82	-8.21	-7.28	-6.88	-6.94	-7.37	-8.07	-8.89	-9.6	-9.97	-9.94	-9.65	-9.26	-8.87	-8.46	-8	-7.46	-6.86	-6.23	-5.64	-5.12	-4.7	-4.41	-4.3	-4.41
-80	-8.4	-12.07	-15.77	-16.36	-15.1	-14.8	-16.2	-20.2	-27.4	-19	-13.3	-10	-7.95	-6.72	-6.09	-5.96	-6.22	-6.79	-7.5	-8.12	-8.38	-8.17	-7.65	-7.04	-6.5	-6.09	-5.79	-5.54	-5.3	-5.01	-4.68	-4.31	-3.95	-3.65	-3.46	-3.43
-75	-14.4	-28.31	-19.38	-13.54	-11.33	-10.88	-11.9	-14.6	-20.4	-22.4	-14.8	-10.5	-8.01	-6.48	-5.65	-5.37	-5.53	-6.04	-6.78	-7.49	-7.83	-7.55	-6.78	-5.86	-5.01	-4.35	-3.88	-3.58	-3.4	-3.3	-3.22	-3.14	-3.04	-2.93	-2.84	-2.81
-70	-14.91	-13.66	-10.6	-8.61	-7.73	-7.83	-8.94	-11.4	-16	-23.9	-16.8	-11.4	-8.38	-6.58	-5.58	-5.16	-5.24	-5.72	-6.52	-7.42	-7.99	-7.78	-6.83	-5.58	-4.4	-3.45	-2.77	-2.32	-2.09	-2.02	-2.07	-2.18	-2.32	-2.45	-2.55	-2.63
-65	-7.75	-7	-6.07	-5.44	-5.33	-5.85	-7.13	-9.45	-13.5	-21.4	-19.3	-12.6	-9.1	-7.07	-5.9	-5.37	-5.36	-5.8	-6.63	-7.69	-8.57	-8.6	-7.56	-6.02	-4.54	-3.33	-2.43	-1.83	-1.5	-1.39	-1.47	-1.69	-1.99	-2.33	-2.63	-2.85
-60	-4.01	-3.81	-3.6	-3.59	-3.94	-4.75	-6.18	-8.47	-12.2	-18.8	-21.5	-14.1	-10.2	-8	-6.7	-6.07	-5.97	-6.33	-7.13	-8.27	-9.41	-9.76	-8.77	-7.03	-5.29	-3.86	-2.78	-2.03	-1.59	-1.42	-1.47	-1.71	-2.1	-2.57	-3.05	-3.44
-55	-2.05	-2.16	-2.35	-2.7	-3.34	-4.37	-5.93	-8.23	-11.7	-17.3	-21.8	-15.8	-11.7	-9.37	-8	-7.29	-7.12	-7.41	-8.14	-9.25	-10.47	-11.05	-10.21	-8.4	-6.51	-4.91	-3.69	-2.82	-2.27	-2	-1.99	-2.2	-2.6	-3.12	-3.71	-4.25
-50	-1.14	-1.48	-1.92	-2.53	-3.39	-4.6	-6.28	-8.61	-11.9	-16.7	-20.6	-16.8	-13.2	-10.9	-9.6	-8.91	-8.71	-8.96	-9.61	-10.61	-11.69	-12.23	-11.51	-9.81	-7.93	-6.29	-4.99	-4.03	-3.38	-3.01	-2.9	-3.02	-3.34	-3.83	-4.43	-5.04
-45	-0.93	-1.43	-2.05	-2.85	-3.89	-5.27	-7.09	-9.53	-12.8	-17.1	-19.6	-16.8	-13.9	-12	-10.9	-10.3	-10.14	-10.38	-10.93	-11.71	-12.46	-12.73	-12.11	-10.74	-9.13	-7.62	-6.35	-5.36	-4.64	-4.17	-3.94	-3.93	-4.12	-4.48	-4.98	-5.55
-40	-1.1	-1.7	-2.45	-3.4	-4.59	-6.14	-8.14	-10.8	-14.4	-18.7	-19.6	-16.4	-13.7	-12	-11	-10.4	-10.3	-10.46	-10.84	-11.34	-11.77	-11.89	-11.52	-10.67	-9.55	-8.38	-7.29	-6.37	-5.65	-5.11	-4.78	-4.63	-4.67	-4.87	-5.2	-5.62
-35	-1.36	-2.02	-2.83	-3.85	-5.15	-6.8	-8.97	-11.9	-16.2	-21.9	-21.1	-16.3	-13.3	-11.4	-10.3	-9.6	-9.29	-9.25	-9.41	-9.67	-9.94	-10.08	-9.99	-9.61	-8.99	-8.23	-7.43	-6.69	-6.04	-5.53	-5.15	-4.93	-4.85	-4.9	-5.08	-5.35
-30	-1.53	-2.18	-2.99	-4.02	-5.32	-6.98	-9.18	-12.2	-16.9	-26.4	-24.1	-16.8	-13.2	-11	-9.62	-8.73	-8.2	-7.93	-7.87	-7.94	-8.07	-8.18	-8.2	-8.07	-7.77	-7.34	-6.83	-6.3	-5.81	-5.38	-5.05	-4.81	-4.69	-4.67	-4.75	-4.92
-25	-1.6	-2.21	-2.99	-3.97	-5.21	-6.8	-8.88	-11.7	-16.1	-24.7	-27.4	-17.7	-13.5	-11	-9.38	-8.26	-7.52	-7.05	-6.79	-6.67	-6.63	-6.64	-6.62	-6.55	-6.39	-6.15	-5.85	-5.51	-5.18	-4.88	-4.63	-4.44	-4.34	-4.32	-4.37	-4.5
-20	-1.71	-2.29	-3.03	-3.96	-5.13	-6.61	-8.52	-11.1	-14.7	-20.4	-25.3	-18.6	-14.2	-11.5	-9.59	-8.27	-7.33	-6.66	-6.2	-5.89	-5.67	-5.53	-5.41	-5.29	-5.16	-4.99	-4.8	-4.6	-4.4	-4.22	-4.07	-3.97	-3.93	-3.94	-4.02	-4.17
-15	-1.97	-2.54	-3.25	-4.14	-5.25	-6.63	-8.37	-10.6	-13.6	-17.8	-21.9	-19.3	-15.2	-12.3	-10.2	-8.68	-7.55	-6.69	-6.03	-5.53	-5.14	-4.83	-4.59	-4.38	-4.2	-4.04	-3.89	-3.76	-3.65	-3.56	-3.51	-3.49	-3.53	-3.61	-3.74	-3.94
-10	-2.43	-2.98	-3.68	-4.53	-5.57	-6.85	-8.42	-10.4	-13	-16.3	-19.9	-19.9	-16.5	-13.5	-11.2	-9.46	-8.12	-7.06	-6.21	-5.52	-4.95	-4.5	-4.12	-3.82	-3.57	-3.37	-3.21	-3.1	-3.02	-2.99	-2.99	-3.04	-3.14	-3.29	-3.49	-3.75
-5	-2.99	-3.53	-4.2	-5	-5.96	-7.13	-8.54	-10.3	-12.5	-15.3	-18.7	-20.7	-18.5	-15.3	-12.7	-10.6	-9.03	-7.74	-6.69	-5.82	-5.09	-4.49	-3.99	-3.57	-3.24	-2.97	-2.77	-2.63	-2.54	-2.51	-2.53	-2.61	-2.74	-2.93	-3.18	-3.49
0	-3.51	-4.02	-4.64	-5.37	-6.24	-7.27	-8.52	-10	-11.9	-14.3	-17.5	-21.3	-21.9	-18.3	-14.9	-12.4	-10.39	-8.81	-7.51	-6.44	-5.54	-4.78	-4.14	-3.61	-3.17	-2.81	-2.53	-2.32	-2.18	-2.11	-2.1	-2.16	-2.29	-2.48	-2.75	-3.09
5	-3.87	-4.33	-4.88	-5.52	-6.28	-7.18	-8.25	-9.55	-11.1	-13.2	-15.9	-19.8	-25.5	-24.5	-18.9	-15.1	-12.45	-10.4	-8.77	-7.43	-6.31	-5.36	-4.56	-3.88	-3.3	-2.83	-2.44	-2.14	-1.91	-1.77	-1.7	-1.71	-1.79	-1.96	-2.21	-2.55
10	-4.07	-4.46	-4.92	-5.47	-6.12	-6.87	-7.77	-8.83	-10.1	-11.7	-13.7	-16.5	-20.9	-30.4	-29.2	-20.2	-15.76	-12.81	-10.6	-8.85	-7.41	-6.2	-5.18	-4.31	-3.57	-2.95	-2.44	-2.03	-1.71	-1.48	-1.34	-1.28	-1.32	-1.44	-1.67	-1.99
15	-4.19	-4.51	-4.9	-5.35	-5.88	-6.49	-7.2	-8.01	-8.97	-10.1	-11.5	-13.3	-15.6	-19.1	-25.1	-30.9	-21.78	-16.64	-13.28	-10.81	-8.86	-7.27	-5.95	-4.84	-3.9	-3.12	-2.47	-1.95	-1.54	-1.23	-1.03	-0.93	-0.93	-1.03	-1.23	-1.54
20	-4.37	-4.64	-4.95	-5.32	-5.73	-6.19	-6.7	-7.27	-7.92	-8.67	-9.57	-10.7	-12.1	-13.9	-16.5	-20.3	-25.52	-22.77	-17.26	-13.46	-10.67	-8.52	-6.79	-5.37	-4.21	-3.25	-2.47	-1.85	-1.37	-1.01	-0.78	-0.66	-0.65	-0.75	-0.95	-1.27
25	-4.69	-4.93	-5.2	-5.49	-5.79	-6.09	-6.4	-6.72	-7.07	-7.48	-8	-8.65	-9.5	-10.6	-12.1	-14.2	-17.27	-21.43	-21.84	-16.94	-12.91	-9.95	-7.68	-5.89	-4.45	-3.3	-2.39	-1.68	-1.15	-0.77	-0.53	-0.42	-0.43	-0.55	-0.79	-1.13
30	-5.15	-5.41	-5.67	-5.9	-6.07	-6.19	-6.25	-6.3	-6.37	-6.49	-6.69	-7.01	-7.49	-8.16	-9.1	-10.4	-12.2	-14.76	-18.06	-19.12	-15.44	-11.62	-8.68	-6.43	-4.69	-3.32	-2.26	-1.45	-0.86	-0.47	-0.23	-0.15	-0.2	-0.36	-0.64	-1.02
35	-5.67	-5.99	-6.26	-6.4	-6.41	-6.28	-6.08	-5.84	-5.64	-5.49	-5.44	-5.5	-5.69	-6.03	-6.57	-7.37	-8.49	-10.08	-12.28	-14.93	-15.94	-13.27	-9.9	-7.15	-5.03	-3.41	-2.17	-1.24	-0.58	-0.15	0.09	0.15	0.08	-0.12	-0.42	-0.84
40	-6.07	-6.46	-6.68	-6.68	-6.44	-6.04	-5.56	-5.08	-4.65	-4.31	-4.06	-3.92	-3.89	-4	-4.26	-4.73	-5.45	-6.51	-8.01	-10.04	-12.36	-13.2	-11.07	-8.13	-5.65	-3.73	-2.28	-1.21	-0.46	0.03	0.3	0.38	0.31	0.1	-0.2	-0.6
45	-6.08	-6.45	-6.54	-6.32	-5.83	-5.21	-4.55	-3.93	-3.38	-2.92	-2.55	-2.28	-2.12	-2.07	-2.17	-2.44	-2.94	-3.71	-4.83	-6.4	-8.44	-10.57	-11.14	-9.22	-6.64	-4.45	-2.77	-1.53	-0.66	-0.08	0.23	0.34	0.29	0.1	-0.17	-0.52
50	-5.54	-5.79	-5.7	-5.3	-4.68	-3.98	-3.27	-2.61	-2.01	-1.49	-1.06	-0.72	-0.48	-0.36	-0.38	-0.57	-0.96	-1.59	-2.52	-3.8	-5.51	-7.62	-9.6	-9.83	-7.97	-5.69	-3.79	-2.35	-1.34	-0.67	-0.29	-0.15	-0.18	-0.35	-0.58	-0.85
55	-4.62	-4.72	-4.51	-4.05	-3.44	-2.75	-2.06	-1.39	-0.77	-0.22	0.25	0.62	0.89	1.02	1.01	0.83	0.47	-0.11	-0.93	-2.05	-3.53	-5.41	-7.62	-9.44	-9.36	-7.53	-5.47	-3.81	-2.61	-1.81	-1.37	-1.21	-1.27	-1.47	-1.7	-1.91
60	-3.66	-3.66	-3.43	-3.01	-2.46	-1.83	-1.15	-0.47	0.17	0.76	1.26	1.65	1.91	2.02	1.98	1.76	1.37	0.79	0	-1.03	-2.35	-4.02	-6.1	-8.5	-10.34	-9.96	-7.95	-5.95	-4.44	-3.45	-2.93	-2.8	-2.98	-3.36	-3.78	-4.03
65	-2.96	-2.92	-2.75	-2.43	-1.96	-1.37	-0.69	0.04	0.75	1.4	1.93	2.32	2.56	2.62	2.51	2.22	1.76	1.14	0.34	-0.65	-1.85	-3.35	-5.26	-7.74	-10.76	-12.77	-11.2	-8.49	-6.37	-5.01	-4.32	-4.22	-4.66	-5.57	-6.73	-7.67
70	-2.67	-2.67	-2.61	-2.43	-2.06	-1.48	-0.72	0.12	0.94	1.66	2.24	2.63	2.82	2.82	2.62	2.23	1.68	0.98	0.15	-0.8	-1.92	-3.27	-5.02	-7.44	-10.96	-15.44	-14.6	-10.2	-7.2	-5.36	-4.42	-4.21	-4.73	-6.02	-8.24	-11.59
75	-2.86	-2.98	-3.1	-3.09	-2.81	-2.17	-1.25	-0.22	0.76	1.59	2.21	2.59	2.73	2.64	2.33	1.83	1.16	0.39	-0.46	-1.36	-2.35	-3.54	-5.13	-7.45	-11.12	-16.96	-15.9	-10.1	-6.63	-4.54	-3.39	-2.98	-3.25	-4.23	-6.06	-9.1
80	-3.57	-3.88	-4.27	-4.51	-4.28	-3.43	-2.19	-0.86	0.32	1.25	1.89	2.25	2.32	2.13	1.7	1.08	0.32	-0.5	-1.3	-2.06	-2.84	-3.79	-5.16	-7.27	-10.69	-15.87	-14.7	-9.34	-5.86	-3.69	-2.42	-1.84	-1.87	-2.49	-3.72	-5.65
85	-4.77	-5.41	-6.18	-6.7	-6.35	-4.99	-3.22	-1.55	-0.2	0.78	1.41	1.7	1.68	1.38	0.84	0.13	-0.66	-1.41	-2.01	-2.49	-2.95	-3.6	-4.67	-6.42	-9.16	-12.76	-12.9	-8.9	-5.63	-3.46	-2.12	-1.43	-1.29	-1.67	-2.54	-3.9
90	-6.37	-7.49	-8.78	-9.41	-8.33	-6.09	-3.83	-1.98	-0.6	0.34	0.88	1.08	0.95	0.54	-0.08	-0.8	-1.49	-2	-2.26	-2.37	-2.52	-2.91	-3.69	-5.04	-7.07	-9.62	-10.9	-8.87	-6.12	-4.02	-2.63	-1.86	-1.62	-1.84	-2.5	-3.55
95	-8.02	-9.7	-11.25	-11.05	-8.72	-6.01	-3.74	-2.02	-0.8	0	0.4	0.46	0.23	-0.25	-0.88	-1.5	-1.95	-2.11	-2.03	-1.87	-1.82	-2.03	-2.61	-3.64	-5.19	-7.17	-8.9	-8.89	-7.23	-5.4	-4.04	-3.22	-2.9	-3.01	-3.5	-4.32
100	-8.96	-10.7	-11.47	-10.08	-7.57	-5.2	-3.3	-1.89	-0.9	-0.31	-0.07	-0.14	-0.46	-0.97	-1.54	-1.97	-2.14	-2	-1.68	-1.37	-1.21	-1.32	-1.75	-2.57	-3.8	-5.44	-7.29	-8.65	-8.65	-7.61	-6.45	-5.62	-5.22	-5.2	-5.49	-6.01
105	-8.73	-9.82	-9.73	-8.28	-6.31	-4.48	-3	-1.9	-1.16	-0.76	-0.67	-0.85	-1.25	-1.76	-2.22	-2.47	-2.39	-2.03	-1.57	-1.16	-0.93	-0.95	-1.27	-1.92	-2.95	-4.37	-6.16	-8.15	-9.82	-10.44	-10.03	-9.31	-8.72	-8.36	-8.17	-8.08
110	-7.92	-8.39	-8.07	-6.98	-5.58	-4.23	-3.11	-2.28	-1.76	-1.53	-1.58	-1.86	-2.32	-2.83	-3.2	-3.27	-2.98	-2.44	-1.84	-1.34	-1.03	-0.96	-1.18	-1.72	-2.6	-3.86	-5.54	-7.7	-10.3	-13.07	-14.92	-14.72	-13.33	-11.81	-10.48	-9.38
115	-7.25	-7.38	-7.07	-6.37	-5.44	-4.51	-3.72	-3.15	-2.83	-2.76	-2.95	-3.35	-3.88	-4.39	-4.68	-4.56	-4.03	-3.28	-2.52	-1.89	-1.48	-1.33	-1.46	-1.9	-2.67	-3.83	-5.42	-7.56	-10.4	-14.41	-20.05	-22.22	-17.35	-13.75	-11.33	-9.62
120	-7.03	-6.98	-6.78	-6.4	-5.89	-5.36	-4.9	-4.58	-4.47	-4.58	-4.92	-5.45	-6.08	-6.6	-6.73	-6.31	-5.45	-4.42	-3.45	-2.68	-2.16	-1.92	-1.97	-2.34	-3.05	-4.15	-5.69	-7.79	-10.7	-14.87	-22.13	-28.01	-18.81	-14.45	-11.79	-9.96
125	-7.28	-7.17	-7.11	-7.04	-6.93	-6.81	-6.7	-6.68	-6.8	-7.12	-7.64	-8.32	-9.02	-9.39	-9.11	-8.13	-6.8	-5.47	-4.33	-3.44	-2.84	-2.54	-2.55	-2.87	-3.55	-4.6	-6.09	-8.12	-10.9	-14.7	-20.34	-24.77	-19.79	-15.81	-13.2	-11.31
130	-7.91	-7.86	-8	-8.28	-8.62	-8.96	-9.3	-9.65	-10.1	-10.6	-11.2	-11.9	-12.3	-11.9	-10.7	-9.05	-7.41	-5.96	-4.78	-3.88	-3.27	-2.96	-2.95	-3.24	-3.86	-4.83	-6.18	-7.94	-10.1	-12.72	-15.41	-17.33	-17.65	-16.77	-15.41	-13.89
135	-8.78	-8.92	-9.38	-10.11	-11.05	-12.08	-13.1	-13.9	-14.5	-14.8	-14.8	-14.4	-13.3	-11.9	-10.2	-8.52	-7.01	-5.73	-4.68	-3.89	-3.34	-3.06	-3.04	-3.28	-3.8	-4.58	-5.62	-6.88	-8.27	-9.67	-10.92	-11.99	-12.98	-14.05	-15.21	-16.07
140	-9.74	-10.21	-11.14	-12.55	-14.45	-16.74	-18.8	-19.3	-17.9	-16.1	-14.3	-12.8	-11.3	-9.88	-8.53	-7.26	-6.11	-5.11	-4.27	-3.62	-3.17	-2.92	-2.88	-3.05	-3.42	-3.97	-4.66	-5.44	-6.25	-7.04	-7.78	-8.55	-9.45	-10.64	-12.26	-14.47
145	-10.67	-11.61	-13.18	-15.61	-19.41	-25.04	-24.4	-19.1	-15.6	-13.2	-11.5	-10.1	-8.94	-7.9	-6.93	-6.02	-5.19	-4.45	-3.82	-3.32	-2.96	-2.74	-2.68	-2.77	-2.99	-3.33	-3.75	-4.22	-4.72	-5.24	-5.8	-6.45	-7.28	-8.38	-9.9	-12.02
150	-11.62	-13.07	-15.43	-19.42	-28.22	-29.47	-19.7	-15.3	-12.6	-10.7	-9.28	-8.16	-7.24	-6.45	-5.74	-5.09	-4.49	-3.96	-3.5	-3.12	-2.84	-2.66	-2.59	-2.61	-2.73	-2.92	-3.18	-3.49	-3.85	-4.26	-4.76	-5.38	-6.19	-7.27	-8.72	-10.72
155	-12.74	-14.72	-17.94	-23.95	-32.41	-21.37	-16.2	-13	-10.8	-9.21	-7.98	-7.01	-6.23	-5.57	-5	-4.51	-4.08	-3.69	-3.37	-3.1	-2.89	-2.75	-2.68	-2.68	-2.74	-2.87	-3.05	-3.29	-3.6	-3.99	-4.5	-5.15	-6	-7.11	-8.59	-10.59
160	-14.27	-16.74	-20.71	-26.7	-23.73	-18.01	-14.4	-11.8	-9.95	-8.52	-7.4	-6.51	-5.79	-5.2	-4.71	-4.31	-3.96	-3.68	-3.44	-3.25	-3.11	-3.02	-2.98	-2.98	-3.05	-3.16	-3.34	-3.59	-3.92	-4.35	-4.91	-5.64	-6.57	-7.78	-9.37	-11.51
165	-16.49	-19.34	-23.16	-24.12	-19.97	-16.2	-13.4	-11.3	-9.69	-8.39	-7.35	-6.51	-5.82	-5.26	-4.8	-4.43	-4.12	-3.89	-3.7	-3.56	-3.48	-3.43	-3.44	-3.49	-3.6	-3.76	-4	-4.31	-4.72	-5.25	-5.91	-6.75	-7.82	-9.2	-10.99	-13.42
170	-19.79	-22.62	-23.6	-20.93	-17.64	-14.94	-12.8	-11.1	-9.69	-8.54	-7.58	-6.79	-6.13	-5.58	-5.13	-4.77	-4.48	-4.26	-4.1	-4	-3.95	-3.96	-4.02	-4.15	-4.34	-4.59	-4.93	-5.36	-5.9	-6.56	-7.38	-8.41	-9.68	-11.31	-13.45	-16.41
175	-25.21	-25.99	-22.27	-18.7	-15.98	-13.86	-12.2	-10.8	-9.57	-8.58	-7.74	-7.03	-6.42	-5.92	-5.5	-5.16	-4.89	-4.7	-4.57	-4.51	-4.51	-4.58	-4.72	-4.93	-5.22	-5.58	-6.05	-6.61	-7.3	-8.14	-9.15	-10.4	-11.95	-13.95	-16.66	-20.67
180	-37.36	-28.12	-21.2	-17.42	-14.84	-12.9	-11.4	-10.1	-9.1	-8.24	-7.52	-6.92	-6.41	-6	-5.67	-5.41	-5.23	-5.12	-5.07	-5.09	-5.17	-5.33	-5.55	-5.85	-6.23	-6.69	-7.25	-7.92	-8.72	-9.67	-10.81	-12.21	-13.95	-16.21	-19.38	-24.5

EV - 2462 MHz

Azimuth (Phi°)

Elevation (Theta°)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
-180	-5.07	-5.09	-5.17	-5.33	-5.55	-5.85	-6.23	-6.69	-7.25	-7.92	-8.72	-9.67	-10.81	-12.2	-13.95	-16.21	-19.38	-24.5	-37.36	-28.1	-21.2	-17.42	-14.8	-12.9	-11.37	-10.13	-9.1	-8.24	-7.52	-6.92	-6.41	-6	-5.67	-5.41	-5.23	-5.12
-175	-4.64	-4.65	-4.76	-4.95	-5.23	-5.61	-6.1	-6.69	-7.42	-8.29	-9.34	-10.6	-12.11	-14	-16.38	-19.58	-23.97	-27.46	-23.93	-19.9	-16.99	-14.87	-13.2	-11.9	-10.84	-9.93	-9.15	-8.48	-7.9	-7.38	-6.92	-6.52	-6.17	-5.87	-5.62	-5.42
-170	-4.19	-4.16	-4.24	-4.43	-4.73	-5.14	-5.69	-6.37	-7.21	-8.22	-9.45	-10.9	-12.77	-15.1	-18.01	-21.82	-25.2	-23.63	-20.19	-17.5	-15.58	-14.13	-13	-12.2	-11.44	-10.84	-10.31	-9.81	-9.3	-8.78	-8.25	-7.7	-7.16	-6.63	-6.14	-5.69
-165	-3.98	-3.94	-4.01	-4.2	-4.51	-4.95	-5.52	-6.25	-7.14	-8.22	-9.53	-11.1	-13.03	-15.4	-18.47	-22.23	-25	-23.29	-20.28	-18	-16.32	-15.17	-14.4	-13.9	-13.51	-13.29	-13.09	-12.8	-12.35	-11.67	-10.8	-9.84	-8.83	-7.85	-6.95	-6.15
-160	-4.18	-4.17	-4.27	-4.49	-4.82	-5.28	-5.88	-6.62	-7.51	-8.58	-9.85	-11.4	-13.17	-15.4	-18.12	-21.61	-25.6	-26.74	-23.96	-21.3	-19.45	-18.28	-17.6	-17.4	-17.58	-18.06	-18.68	-19.02	-18.46	-16.88	-14.8	-12.76	-10.91	-9.31	-7.95	-6.82
-155	-4.95	-5.03	-5.2	-5.45	-5.81	-6.28	-6.87	-7.57	-8.4	-9.38	-10.52	-11.9	-13.45	-15.4	-17.78	-20.94	-25.53	-34.27	-39.38	-29.1	-25.36	-23.56	-22.9	-23.2	-24.52	-27.54	-34.05	-31.82	-23.97	-19.22	-15.9	-13.3	-11.26	-9.59	-8.23	-7.13
-150	-6.46	-6.71	-6.99	-7.3	-7.67	-8.1	-8.6	-9.18	-9.86	-10.7	-11.63	-12.8	-14.24	-16	-18.16	-20.66	-23.06	-24.12	-23.41	-22.3	-21.5	-21.43	-22.2	-24.3	-28.81	-42.98	-28.17	-21.35	-17.26	-14.34	-12.1	-10.32	-8.89	-7.73	-6.82	-6.11
-145	-8.97	-9.56	-10.03	-10.41	-10.71	-10.97	-11.22	-11.53	-11.94	-12.5	-13.38	-14.5	-16.05	-17.9	-19.54	-20.15	-19.27	-17.81	-16.53	-15.7	-15.41	-15.71	-16.7	-18.8	-22.76	-33.84	-27.03	-18.9	-14.55	-11.6	-9.42	-7.74	-6.43	-5.42	-4.68	-4.18
-140	-12.7	-14	-14.95	-15.38	-15.39	-15.14	-14.85	-14.69	-14.8	-15.3	-16.31	-17.9	-19.94	-21.4	-20.34	-17.77	-15.41	-13.62	-12.4	-11.7	-11.41	-11.63	-12.4	-13.8	-16.12	-19.38	-20.92	-17.28	-13.33	-10.32	-8.04	-6.27	-4.87	-3.79	-2.98	-2.43
-135	-15.6	-17.6	-18.98	-19.62	-19.58	-19.1	-18.55	-18.27	-18.54	-19.6	-21.9	-25.9	-27.44	-21.8	-17.31	-14.25	-12.09	-10.55	-9.49	-8.84	-8.56	-8.63	-9.04	-9.79	-10.82	-11.95	-12.67	-12.32	-10.91	-9.05	-7.22	-5.58	-4.17	-3	-2.06	-1.37
-130	-13.6	-14.5	-15.3	-16.18	-17.17	-18.16	-19.11	-20.19	-21.88	-25.1	-31.61	-28.4	-20.98	-16.5	-13.47	-11.24	-9.59	-8.36	-7.49	-6.91	-6.59	-6.49	-6.59	-6.82	-7.13	-7.43	-7.63	-7.65	-7.43	-6.92	-6.15	-5.17	-4.07	-2.97	-1.95	-1.11
-125	-11.2	-11.9	-12.74	-13.81	-15.1	-16.55	-18.06	-19.62	-21.15	-22	-20.82	-18	-15.15	-12.7	-10.74	-9.18	-7.96	-7.03	-6.33	-5.82	-5.47	-5.22	-5.04	-4.89	-4.75	-4.62	-4.51	-4.45	-4.47	-4.54	-4.59	-4.5	-4.13	-3.45	-2.57	-1.66
-120	-10.3	-11.2	-12.25	-13.56	-15.04	-16.56	-17.86	-18.64	-18.58	-17.6	-15.84	-13.9	-12.05	-10.5	-9.12	-8.05	-7.2	-6.54	-6.02	-5.58	-5.19	-4.79	-4.36	-3.91	-3.45	-3.02	-2.68	-2.48	-2.45	-2.62	-2.96	-3.4	-3.8	-3.92	-3.6	-2.92
-115	-10.7	-11.9	-13.16	-14.56	-15.92	-17.02	-17.53	-17.25	-16.24	-14.8	-13.21	-11.7	-10.38	-9.28	-8.41	-7.74	-7.25	-6.87	-6.54	-6.19	-5.75	-5.19	-4.52	-3.78	-3.05	-2.39	-1.85	-1.48	-1.31	-1.38	-1.68	-2.21	-2.92	-3.66	-4.21	-4.32
-110	-11.9	-13	-13.83	-14.37	-14.75	-15.03	-15.11	-14.8	-14	-12.9	-11.62	-10.5	-9.58	-8.88	-8.41	-8.13	-8	-7.95	-7.85	-7.61	-7.12	-6.36	-5.42	-4.4	-3.41	-2.52	-1.79	-1.24	-0.9	-0.78	-0.89	-1.25	-1.83	-2.62	-3.54	-4.44
-105	-12.6	-12.5	-12.01	-11.62	-11.5	-11.64	-11.89	-12.02	-11.79	-11.2	-10.46	-9.76	-9.24	-8.93	-8.85	-8.97	-9.23	-9.56	-9.78	-9.69	-9.12	-8.11	-6.84	-5.51	-4.26	-3.17	-2.25	-1.53	-1.01	-0.69	-0.57	-0.65	-0.94	-1.42	-2.08	-2.92
-100	-11.2	-10.2	-9.32	-8.85	-8.77	-9.01	-9.4	-9.74	-9.85	-9.69	-9.38	-9.1	-8.97	-9.03	-9.31	-9.79	-10.44	-11.16	-11.78	-11.9	-11.3	-9.94	-8.28	-6.62	-5.15	-3.89	-2.85	-2.02	-1.38	-0.91	-0.59	-0.42	-0.39	-0.5	-0.75	-1.15
-95	-8.99	-8.01	-7.35	-7.08	-7.14	-7.45	-7.87	-8.21	-8.39	-8.39	-8.33	-8.34	-8.5	-8.85	-9.39	-10.12	-11.04	-12.13	-13.23	-13.8	-13.19	-11.38	-9.23	-7.25	-5.59	-4.25	-3.19	-2.36	-1.71	-1.21	-0.8	-0.47	-0.21	-0.01	0.1	0.1
-90	-7.22	-6.59	-6.27	-6.26	-6.51	-6.88	-7.24	-7.45	-7.49	-7.44	-7.44	-7.57	-7.88	-8.38	-9.06	-9.94	-11.05	-12.49	-14.27	-15.9	-15.46	-12.86	-9.99	-7.59	-5.72	-4.3	-3.24	-2.46	-1.89	-1.45	-1.07	-0.7	-0.32	0.07	0.43	0.73
-85	-6.03	-5.83	-5.91	-6.26	-6.76	-7.22	-7.45	-7.39	-7.16	-6.92	-6.84	-6.96	-7.31	-7.88	-8.65	-9.62	-10.9	-12.68	-15.35	-19.4	-20.78	-15.63	-11.3	-8.27	-6.09	-4.52	-3.4	-2.61	-2.07	-1.69	-1.37	-1.04	-0.64	-0.17	0.34	0.82
-80	-5.26	-5.5	-6.06	-6.89	-7.8	-8.43	-8.47	-7.98	-7.34	-6.84	-6.6	-6.66	-7.01	-7.6	-8.42	-9.46	-10.79	-12.62	-15.44	-20.7	-31.52	-19.11	-13.1	-9.49	-7.02	-5.27	-4.02	-3.14	-2.53	-2.11	-1.79	-1.48	-1.09	-0.61	-0.05	0.53
-75	-4.8	-5.43	-6.46	-7.9	-9.5	-10.53	-10.26	-9.13	-7.96	-7.14	-6.73	-6.72	-7.05	-7.66	-8.5	-9.5	-10.64	-11.89	-13.26	-14.6	-15.31	-14.46	-12.4	-10.1	-8.05	-6.41	-5.14	-4.17	-3.44	-2.9	-2.47	-2.07	-1.65	-1.16	-0.59	0.01
-70	-4.55	-5.48	-6.91	-8.96	-11.55	-13.48	-12.77	-10.67	-8.9	-7.77	-7.2	-7.12	-7.43	-8.05	-8.86	-9.68	-10.31	-10.57	-10.47	-10.2	-9.74	-9.33	-8.89	-8.38	-7.77	-7.07	-6.3	-5.52	-4.78	-4.1	-3.48	-2.91	-2.35	-1.79	-1.2	-0.6
-65	-4.49	-5.62	-7.32	-9.83	-13.42	-17.07	-15.71	-12.34	-10	-8.62	-7.95	-7.82	-8.12	-8.72	-9.42	-9.91	-9.88	-9.28	-8.37	-7.46	-6.72	-6.22	-5.98	-5.97	-6.14	-6.4	-6.59	-6.56	-6.22	-5.61	-4.85	-4.04	-3.27	-2.54	-1.88	-1.26
-60	-4.64	-5.92	-7.79	-10.56	-14.81	-20.48	-18.33	-13.78	-11.08	-9.57	-8.84	-8.69	-8.98	-9.52	-10.04	-10.13	-9.52	-8.4	-7.13	-6	-5.11	-4.52	-4.24	-4.26	-4.58	-5.16	-5.92	-6.68	-7.15	-7.06	-6.4	-5.45	-4.45	-3.52	-2.73	-2.06
-55	-5.03	-6.48	-8.52	-11.5	-16.12	-22.62	-19.32	-14.53	-11.84	-10.4	-9.67	-9.53	-9.79	-10.2	-10.54	-10.29	-9.35	-8.02	-6.64	-5.43	-4.49	-3.84	-3.49	-3.45	-3.72	-4.3	-5.16	-6.23	-7.28	-7.91	-7.77	-6.96	-5.86	-4.78	-3.85	-3.09
-50	-5.69	-7.37	-9.68	-12.99	-17.99	-22.49	-18.05	-14.16	-11.89	-10.6	-10.05	-9.96	-10.21	-10.6	-10.72	-10.33	-9.34	-8.03	-6.7	-5.53	-4.59	-3.92	-3.52	-3.41	-3.59	-4.07	-4.83	-5.85	-7.01	-8.04	-8.52	-8.19	-7.3	-6.23	-5.23	-4.4
-45	-6.67	-8.71	-11.47	-15.35	-20.12	-19.49	-15.47	-12.71	-11.03	-10.1	-9.68	-9.68	-9.94	-10.3	-10.43	-10.13	-9.33	-8.23	-7.07	-6.01	-5.13	-4.48	-4.07	-3.9	-3.99	-4.33	-4.93	-5.75	-6.75	-7.77	-8.55	-8.77	-8.38	-7.59	-6.7	-5.87
-40	-8.08	-10.7	-14.16	-18.59	-19.51	-15.79	-12.76	-10.8	-9.58	-8.91	-8.66	-8.74	-9.03	-9.41	-9.66	-9.59	-9.12	-8.33	-7.41	-6.52	-5.75	-5.16	-4.76	-4.56	-4.57	-4.79	-5.21	-5.82	-6.58	-7.42	-8.18	-8.69	-8.78	-8.45	-7.85	-7.15
-35	-10.1	-13.6	-18.12	-19.93	-16.03	-12.66	-10.42	-8.95	-8.04	-7.54	-7.39	-7.5	-7.81	-8.21	-8.57	-8.73	-8.58	-8.13	-7.48	-6.79	-6.15	-5.63	-5.26	-5.05	-5.01	-5.14	-5.43	-5.88	-6.44	-7.09	-7.75	-8.3	-8.63	-8.65	-8.38	-7.89
-30	-13.2	-18.1	-20.98	-16.54	-12.73	-10.21	-8.51	-7.37	-6.65	-6.26	-6.15	-6.26	-6.55	-6.95	-7.35	-7.66	-7.76	-7.61	-7.24	-6.77	-6.28	-5.85	-5.53	-5.33	-5.27	-5.35	-5.57	-5.91	-6.35	-6.88	-7.43	-7.94	-8.32	-8.48	-8.39	-8.05
-25	-18.5	-22	-16.97	-12.84	-10.14	-8.28	-6.98	-6.08	-5.49	-5.17	-5.07	-5.16	-5.41	-5.76	-6.15	-6.52	-6.78	-6.88	-6.8	-6.58	-6.29	-6	-5.76	-5.61	-5.56	-5.63	-5.81	-6.09	-6.46	-6.9	-7.36	-7.79	-8.12	-8.27	-8.2	-7.91
-20	-22.3	-16.8	-12.71	-10.02	-8.13	-6.75	-5.75	-5.03	-4.56	-4.28	-4.19	-4.25	-4.43	-4.72	-5.08	-5.46	-5.81	-6.08	-6.26	-6.33	-6.3	-6.24	-6.16	-6.12	-6.14	-6.23	-6.41	-6.66	-6.98	-7.33	-7.69	-7.99	-8.18	-8.2	-8.03	-7.66
-15	-15.8	-12.2	-9.73	-7.93	-6.58	-5.55	-4.77	-4.2	-3.81	-3.58	-3.49	-3.51	-3.65	-3.88	-4.18	-4.54	-4.93	-5.32	-5.69	-6.02	-6.31	-6.55	-6.76	-6.96	-7.16	-7.37	-7.62	-7.88	-8.15	-8.4	-8.59	-8.67	-8.6	-8.36	-7.97	-7.45
-10	-11.5	-9.32	-7.69	-6.42	-5.42	-4.63	-4.02	-3.57	-3.24	-3.04	-2.94	-2.94	-3.04	-3.21	-3.47	-3.79	-4.18	-4.62	-5.11	-5.63	-6.19	-6.76	-7.35	-7.94	-8.53	-9.09	-9.61	-10.05	-10.35	-10.47	-10.4	-10.06	-9.55	-8.9	-8.18	-7.42
-5	-8.95	-7.5	-6.33	-5.38	-4.61	-3.99	-3.49	-3.11	-2.82	-2.63	-2.52	-2.49	-2.54	-2.67	-2.87	-3.15	-3.5	-3.92	-4.43	-5.02	-5.7	-6.48	-7.37	-8.37	-9.49	-10.73	-12.03	-13.26	-14.16	-14.38	-13.8	-12.69	-11.38	-10.08	-8.88	-7.79
0	-7.51	-6.44	-5.54	-4.78	-4.14	-3.61	-3.17	-2.81	-2.53	-2.32	-2.18	-2.11	-2.1	-2.16	-2.29	-2.48	-2.75	-3.09	-3.51	-4.02	-4.64	-5.37	-6.24	-7.27	-8.52	-10.03	-11.92	-14.34	-17.53	-21.27	-21.9	-18.3	-14.93	-12.37	-10.39	-8.81
5	-6.83	-5.97	-5.22	-4.55	-3.97	-3.46	-3.02	-2.65	-2.33	-2.07	-1.87	-1.73	-1.63	-1.6	-1.61	-1.69	-1.83	-2.03	-2.3	-2.65	-3.08	-3.61	-4.25	-5.02	-5.94	-7.07	-8.46	-10.2	-12.5	-15.74	-21.1	-35.61	-23.51	-16.96	-13.31	-10.82
10	-6.67	-5.94	-5.26	-4.62	-4.03	-3.5	-3.02	-2.58	-2.19	-1.85	-1.56	-1.31	-1.11	-0.95	-0.84	-0.77	-0.77	-0.81	-0.92	-1.1	-1.35	-1.68	-2.1	-2.63	-3.27	-4.05	-5.01	-6.18	-7.63	-9.46	-11.9	-15.24	-20.38	-24.7	-19.04	-14.49
15	-6.84	-6.19	-5.52	-4.87	-4.24	-3.65	-3.09	-2.57	-2.09	-1.64	-1.24	-0.87	-0.55	-0.27	-0.03	0.16	0.3	0.39	0.41	0.37	0.26	0.07	-0.2	-0.57	-1.04	-1.63	-2.35	-3.24	-4.31	-5.63	-7.27	-9.36	-12.15	-16.14	-21.74	-21.1
20	-7.15	-6.53	-5.86	-5.18	-4.49	-3.83	-3.19	-2.59	-2.01	-1.46	-0.95	-0.48	-0.04	0.35	0.7	1	1.25	1.44	1.57	1.63	1.61	1.52	1.34	1.07	0.7	0.22	-0.38	-1.11	-2	-3.07	-4.36	-5.94	-7.93	-10.53	-14.15	-19.53
25	-7.43	-6.82	-6.14	-5.43	-4.71	-4	-3.31	-2.64	-1.99	-1.36	-0.77	-0.2	0.33	0.82	1.26	1.65	1.99	2.26	2.47	2.61	2.67	2.64	2.53	2.32	2	1.59	1.05	0.4	-0.39	-1.32	-2.42	-3.74	-5.33	-7.29	-9.83	-13.33
30	-7.54	-6.91	-6.23	-5.53	-4.83	-4.13	-3.44	-2.75	-2.07	-1.39	-0.73	-0.1	0.51	1.07	1.6	2.07	2.48	2.83	3.11	3.32	3.43	3.46	3.39	3.22	2.94	2.55	2.05	1.43	0.69	-0.17	-1.16	-2.31	-3.66	-5.27	-7.24	-9.78
35	-7.28	-6.64	-6	-5.37	-4.76	-4.15	-3.53	-2.9	-2.24	-1.57	-0.88	-0.21	0.46	1.1	1.7	2.25	2.74	3.17	3.52	3.78	3.95	4.03	3.99	3.84	3.58	3.2	2.7	2.09	1.37	0.54	-0.4	-1.44	-2.63	-3.99	-5.59	-7.57
40	-6.46	-5.84	-5.3	-4.81	-4.37	-3.94	-3.49	-3.01	-2.47	-1.87	-1.22	-0.53	0.17	0.88	1.56	2.2	2.78	3.29	3.72	4.05	4.28	4.39	4.39	4.26	4.01	3.63	3.12	2.5	1.76	0.94	0.03	-0.95	-2.02	-3.19	-4.52	-6.11
45	-5.17	-4.62	-4.19	-3.87	-3.62	-3.41	-3.2	-2.97	-2.66	-2.25	-1.72	-1.08	-0.36	0.41	1.19	1.94	2.63	3.24	3.76	4.16	4.45	4.62	4.65	4.55	4.31	3.93	3.42	2.78	2.02	1.18	0.26	-0.69	-1.67	-2.7	-3.81	-5.1
50	-3.76	-3.28	-2.94	-2.73	-2.63	-2.61	-2.65	-2.7	-2.72	-2.63	-2.36	-1.87	-1.17	-0.32	0.58	1.48	2.31	3.04	3.66	4.15	4.5	4.72	4.8	4.74	4.53	4.18	3.68	3.03	2.26	1.38	0.44	-0.53	-1.47	-2.4	-3.34	-4.4
55	-2.5	-2.07	-1.78	-1.62	-1.59	-1.69	-1.92	-2.26	-2.65	-2.99	-3.14	-2.93	-2.3	-1.36	-0.27	0.82	1.82	2.69	3.42	3.99	4.41	4.69	4.83	4.83	4.67	4.36	3.89	3.27	2.49	1.58	0.6	-0.41	-1.36	-2.24	-3.06	-3.95
60	-1.51	-1.08	-0.77	-0.61	-0.61	-0.79	-1.16	-1.74	-2.5	-3.36	-4.1	-4.37	-3.88	-2.76	-1.38	-0.02	1.18	2.19	3.01	3.66	4.15	4.49	4.69	4.75	4.66	4.42	4.01	3.42	2.66	1.73	0.7	-0.36	-1.36	-2.22	-2.97	-3.72
65	-0.71	-0.26	0.08	0.26	0.25	0.01	-0.49	-1.29	-2.4	-3.82	-5.35	-6.4	-6.1	-4.58	-2.72	-1.02	0.39	1.53	2.43	3.12	3.66	4.05	4.31	4.44	4.43	4.26	3.92	3.38	2.65	1.72	0.64	-0.49	-1.54	-2.41	-3.09	-3.71
70	-0.03	0.47	0.82	1	0.95	0.62	-0.02	-1.04	-2.51	-4.52	-7.1	-9.48	-9.24	-6.69	-4.11	-2.07	-0.5	0.7	1.63	2.34	2.89	3.31	3.61	3.81	3.87	3.79	3.52	3.04	2.34	1.42	0.31	-0.88	-1.99	-2.87	-3.47	-3.95
75	0.59	1.08	1.41	1.53	1.39	0.94	0.12	-1.14	-2.99	-5.67	-9.66	-14.9	-13.14	-8.37	-5.16	-2.98	-1.42	-0.27	0.59	1.25	1.76	2.18	2.51	2.76	2.89	2.89	2.7	2.29	1.64	0.74	-0.38	-1.62	-2.79	-3.67	-4.16	-4.45
80	1.06	1.48	1.71	1.71	1.42	0.8	-0.23	-1.78	-4.06	-7.52	-13.62	-30.5	-13.94	-8.49	-5.54	-3.65	-2.35	-1.43	-0.76	-0.24	0.18	0.54	0.86	1.14	1.34	1.43	1.34	1.03	0.46	-0.39	-1.49	-2.75	-3.97	-4.85	-5.22	-5.25
85	1.23	1.48	1.54	1.36	0.87	0.02	-1.28	-3.2	-6.03	-10.5	-19.03	-18	-11	-7.52	-5.48	-4.21	-3.41	-2.89	-2.55	-2.3	-2.09	-1.86	-1.58	-1.28	-0.99	-0.77	-0.71	-0.86	-1.28	-2	-3.02	-4.27	-5.53	-6.43	-6.67	-6.4
90	0.91	0.92	0.73	0.28	-0.48	-1.66	-3.36	-5.84	-9.54	-15.4	-18.05	-12.4	-8.8	-6.74	-5.56	-4.96	-4.76	-4.82	-5.01	-5.24	-5.42	-5.44	-5.27	-4.91	-4.43	-3.94	-3.57	-3.41	-3.54	-4.01	-4.83	-5.97	-7.25	-8.27	-8.52	-8
95	-0.05	-0.37	-0.92	-1.76	-2.96	-4.65	-7.08	-10.74	-16.79	-20.8	-14.08	-10.1	-7.89	-6.66	-6.1	-6.07	-6.46	-7.17	-8.12	-9.14	-10.02	-10.51	-10.4	-9.73	-8.73	-7.66	-6.74	-6.09	-5.77	-5.85	-6.35	-7.26	-8.51	-9.77	-10.41	-10
100	-1.73	-2.51	-3.55	-4.91	-6.72	-9.24	-13.01	-19.8	-27.15	-16.7	-12.15	-9.59	-8.07	-7.25	-6.96	-7.13	-7.68	-8.52	-9.53	-10.4	-10.95	-10.91	-10.4	-9.68	-8.85	-8.04	-7.31	-6.74	-6.42	-6.39	-6.72	-7.44	-8.57	-9.98	-11.27	-11.74
105	-3.91	-5.01	-6.19	-7.43	-8.74	-10.12	-11.58	-12.93	-13.66	-13.2	-11.86	-10.3	-8.94	-7.92	-7.25	-6.9	-6.79	-6.83	-6.91	-6.9	-6.73	-6.41	-6.02	-5.64	-5.33	-5.13	-5.03	-5.04	-5.18	-5.48	-5.98	-6.72	-7.75	-9.05	-10.53	-11.85
110	-5.13	-5.46	-5.5	-5.44	-5.52	-5.88	-6.66	-7.94	-9.76	-11.9	-12.97	-11.8	-9.53	-7.58	-6.14	-5.15	-4.52	-4.16	-3.96	-3.82	-3.67	-3.47	-3.23	-3.01	-2.87	-2.84	-2.96	-3.24	-3.68	-4.27	-5.01	-5.88	-6.89	-8.04	-9.3	-10.63
115	-3.97	-3.39	-2.85	-2.55	-2.6	-3.09	-4.09	-5.76	-8.33	-12.1	-15.32	-12.5	-8.71	-6.08	-4.33	-3.19	-2.5	-2.13	-1.97	-1.94	-1.93	-1.89	-1.8	-1.68	-1.59	-1.6	-1.76	-2.11	-2.66	-3.41	-4.31	-5.35	-6.43	-7.52	-8.57	-9.61
120	-2.11	-1.4	-0.94	-0.8	-1.07	-1.79	-3.08	-5.15	-8.41	-13.8	-17.18	-11.1	-6.97	-4.42	-2.78	-1.75	-1.16	-0.9	-0.87	-1	-1.17	-1.31	-1.34	-1.29	-1.22	-1.2	-1.32	-1.64	-2.19	-2.98	-3.99	-5.17	-6.42	-7.62	-8.64	-9.5
125	-0.87	-0.32	-0.06	-0.15	-0.64	-1.62	-3.22	-5.73	-9.77	-16.5	-14.9	-8.87	-5.37	-3.18	-1.78	-0.93	-0.49	-0.37	-0.5	-0.81	-1.18	-1.5	-1.67	-1.68	-1.57	-1.47	-1.48	-1.7	-2.17	-2.91	-3.95	-5.24	-6.71	-8.2	-9.5	-10.49
130	-0.49	-0.13	-0.09	-0.4	-1.13	-2.37	-4.3	-7.27	-11.93	-16.1	-11.27	-6.96	-4.24	-2.46	-1.33	-0.67	-0.38	-0.42	-0.72	-1.22	-1.81	-2.35	-2.67	-2.71	-2.52	-2.27	-2.11	-2.16	-2.48	-3.11	-4.07	-5.36	-6.97	-8.81	-10.7	-12.37
135	-0.93	-0.78	-0.93	-1.45	-2.38	-3.85	-6	-9.02	-12.25	-11.7	-8.36	-5.52	-3.53	-2.17	-1.31	-0.85	-0.73	-0.93	-1.4	-2.11	-2.94	-3.73	-4.23	-4.28	-3.95	-3.48	-3.09	-2.92	-3.04	-3.48	-4.27	-5.41	-6.9	-8.75	-10.91	-13.27
140	-2.14	-2.13	-2.42	-3.04	-4.04	-5.45	-7.22	-8.92	-9.4	-8.14	-6.21	-4.47	-3.13	-2.19	-1.61	-1.36	-1.42	-1.78	-2.42	-3.33	-4.42	-5.49	-6.21	-6.27	-5.75	-5	-4.34	-3.93	-3.82	-4.02	-4.54	-5.37	-6.48	-7.86	-9.42	-11.09
145	-3.92	-3.89	-4.11	-4.56	-5.21	-5.96	-6.61	-6.87	-6.54	-5.72	-4.71	-3.76	-2.99	-2.45	-2.16	-2.13	-2.36	-2.87	-3.67	-4.75	-6.06	-7.42	-8.38	-8.48	-7.76	-6.75	-5.83	-5.17	-4.81	-4.74	-4.93	-5.36	-5.97	-6.7	-7.49	-8.27
150	-5.61	-5.28	-5.1	-5.05	-5.07	-5.1	-5.08	-4.93	-4.64	-4.25	-3.82	-3.41	-3.1	-2.92	-2.91	-3.1	-3.5	-4.16	-5.08	-6.28	-7.74	-9.29	-10.5	-10.7	-9.83	-8.61	-7.47	-6.58	-5.96	-5.59	-5.43	-5.44	-5.56	-5.75	-5.98	-6.22
155	-6.24	-5.53	-4.99	-4.58	-4.29	-4.07	-3.91	-3.78	-3.67	-3.57	-3.5	-3.48	-3.51	-3.64	-3.89	-4.29	-4.87	-5.65	-6.67	-7.94	-9.46	-11.06	-12.3	-12.6	-11.76	-10.43	-9.12	-8.01	-7.13	-6.46	-5.96	-5.59	-5.32	-5.13	-5.01	-4.95
160	-5.89	-5.14	-4.55	-4.11	-3.79	-3.58	-3.47	-3.45	-3.49	-3.6	-3.77	-4.01	-4.31	-4.7	-5.18	-5.79	-6.54	-7.46	-8.58	-9.92	-11.45	-13.01	-14.2	-14.3	-13.31	-11.87	-10.42	-9.13	-8.04	-7.13	-6.37	-5.75	-5.23	-4.82	-4.51	-4.3
165	-5.46	-4.9	-4.45	-4.12	-3.9	-3.78	-3.77	-3.85	-4.01	-4.27	-4.6	-5.03	-5.53	-6.13	-6.84	-7.67	-8.63	-9.76	-11.08	-12.6	-14.22	-15.66	-16.3	-15.7	-14.19	-12.52	-10.96	-9.59	-8.41	-7.4	-6.55	-5.83	-5.24	-4.76	-4.39	-4.13
170	-5.31	-4.99	-4.76	-4.6	-4.52	-4.53	-4.62	-4.81	-5.08	-5.45	-5.91	-6.47	-7.15	-7.95	-8.9	-10.01	-11.32	-12.88	-14.71	-16.8	-18.72	-19.37	-18.1	-16	-13.92	-12.12	-10.59	-9.3	-8.21	-7.28	-6.5	-5.84	-5.3	-4.87	-4.54	-4.31
175	-5.28	-5.18	-5.15	-5.17	-5.26	-5.42	-5.65	-5.95	-6.35	-6.84	-7.44	-8.16	-9.02	-10.1	-11.32	-12.88	-14.84	-17.41	-20.94	-25.4	-25.32	-20.84	-17.3	-14.7	-12.66	-11.06	-9.76	-8.67	-7.77	-7.01	-6.37	-5.85	-5.42	-5.1	-4.86	-4.7
180	-5.07	-5.09	-5.17	-5.33	-5.55	-5.85	-6.23	-6.69	-7.25	-7.92	-8.72	-9.67	-10.81	-12.2	-13.95	-16.21	-19.38	-24.5	-37.36	-28.1	-21.2	-17.42	-14.8	-12.9	-11.37	-10.13	-9.1	-8.24	-7.52	-6.92	-6.41	-6	-5.67	-5.41	-5.23	-5.12

ANT2 (2G1) @2462 MHz



E1 - 2412 MHz

Azimuth (Phi°)

Elevation (Theta°)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180
-180	-9.82	-8.49	-8.42	-8.41	-8.47	-8.6	-8.6	-7.97	-7.42	-7.85	-8.37	-9	-9.75	-10.6	-11.7	-13	-14.61	-16.66	-19.47	-23.54	-31.37	-33.07	-24.29	-19.66	-16.97	-14.98	-13.2	-11.9	-10.9	-9.9	-9.1	-8.49	-7.92	-7.47	-7.11	-6.83	-6.69
-175	-9.66	-8.34	-8.27	-8.26	-8.32	-8.45	-8.45	-7.82	-7.28	-7.71	-8.21	-8.84	-9.58	-10.4	-11.5	-12.8	-14.34	-16.35	-19.11	-23.1	-30.8	-32.4	-23.9	-19.3	-16.64	-14.7	-12.9	-11.7	-10.7	-9.7	-8.9	-8.32	-7.77	-7.32	-6.97	-6.7	-6.57
-170	-9.49	-8.18	-8.12	-8.11	-8.17	-8.29	-8.29	-7.68	-7.15	-7.56	-8.06	-8.67	-9.4	-10.2	-11.3	-12.6	-14.07	-16.04	-18.75	-22.67	-30.2	-31.8	-23.5	-18.9	-16.32	-14.4	-12.7	-11.5	-10.5	-9.5	-8.7	-8.16	-7.62	-7.18	-6.84	-6.57	-6.45
-165	-9.32	-8.02	-7.96	-7.95	-8.01	-8.13	-8.13	-7.53	-7.01	-7.41	-7.91	-8.5	-9.22	-10.1	-11.1	-12.4	-13.8	-15.73	-18.39	-22.24	-29.6	-31.2	-23.1	-18.6	-16.01	-14.1	-12.4	-11.3	-10.3	-9.3	-8.5	-8.01	-7.47	-7.04	-6.7	-6.44	-6.33
-160	-9.15	-7.86	-7.81	-7.79	-7.86	-7.97	-7.97	-7.38	-6.87	-7.26	-7.75	-8.34	-9.04	-9.9	-10.9	-12.1	-13.54	-15.42	-18.03	-21.8	-29.1	-30.6	-22.6	-18.2	-15.7	-13.8	-12.2	-11.1	-10.1	-9.1	-8.3	-7.85	-7.32	-6.9	-6.57	-6.31	-6.21
-155	-8.98	-7.69	-7.65	-7.63	-7.69	-7.81	-7.81	-7.23	-6.73	-7.11	-7.59	-8.17	-8.86	-9.7	-10.7	-11.9	-13.27	-15.11	-17.67	-21.37	-28.5	-30.1	-22.2	-17.8	-15.4	-13.5	-11.9	-10.8	-9.9	-8.9	-8.1	-7.69	-7.17	-6.76	-6.44	-6.18	-6.08
-150	-8.81	-7.53	-7.49	-7.47	-7.53	-7.65	-7.65	-7.08	-6.59	-6.97	-7.43	-8.01	-8.68	-9.5	-10.5	-11.7	-13.01	-14.8	-17.31	-20.94	-27.9	-29.5	-21.8	-17.4	-15.1	-13.2	-11.7	-10.6	-9.7	-8.7	-7.9	-7.54	-7.02	-6.62	-6.31	-6.06	-5.96
-145	-8.64	-7.38	-7.34	-7.32	-7.38	-7.49	-7.49	-6.94	-6.45	-6.83	-7.28	-7.85	-8.51	-9.3	-10.3	-11.5	-12.75	-14.51	-16.96	-20.52	-27.3	-28.9	-21.3	-17.1	-14.8	-12.9	-11.5	-10.4	-9.5	-8.5	-7.7	-7.39	-6.88	-6.48	-6.18	-5.94	-5.84
-140	-8.47	-7.22	-7.19	-7.17	-7.23	-7.34	-7.34	-6.79	-6.31	-6.69	-7.13	-7.69	-8.34	-9.1	-10.1	-11.3	-12.49	-14.21	-16.61	-20.1	-26.7	-28.3	-20.9	-16.7	-14.5	-12.6	-11.3	-10.2	-9.3	-8.3	-7.5	-7.24	-6.74	-6.35	-6.05	-5.82	-5.72
-135	-8.31	-7.07	-7.04	-7.02	-7.08	-7.19	-7.19	-6.65	-6.18	-6.55	-6.98	-7.53	-8.17	-8.9	-9.9	-11.1	-12.23	-13.91	-16.27	-19.68	-26.1	-27.7	-20.5	-16.3	-14.2	-12.3	-11.1	-10.0	-9.1	-8.1	-7.3	-7.09	-6.6	-6.22	-5.92	-5.7	-5.6
-130	-8.14	-6.92	-6.89	-6.87	-6.93	-7.04	-7.04	-6.51	-6.05	-6.41	-6.84	-7.37	-8.01	-8.7	-9.7	-10.9	-11.98	-13.61	-15.92	-19.26	-25.6	-27.1	-20.1	-15.9	-13.9	-12.1	-10.8	-9.8	-8.9	-8.0	-7.2	-6.94	-6.45	-6.09	-5.79	-5.58	-5.48
-125	-7.97	-6.77	-6.74	-6.72	-6.78	-6.89	-6.89	-6.37	-5.92	-6.27	-6.71	-7.21	-7.85	-8.5	-9.5	-10.7	-11.73	-13.32	-15.58	-18.85	-25.1	-26.5	-19.7	-15.6	-13.6	-11.8	-10.6	-9.6	-8.7	-7.8	-7.1	-6.79	-6.31	-5.96	-5.66	-5.46	-5.36
-120	-7.81	-6.63	-6.59	-6.57	-6.63	-6.74	-6.74	-6.23	-5.79	-6.13	-6.57	-7.06	-7.69	-8.3	-9.3	-10.5	-11.48	-13.04	-15.24	-18.44	-24.6	-26.0	-19.3	-15.3	-13.3	-11.5	-10.4	-9.4	-8.5	-7.6	-6.9	-6.64	-6.17	-5.83	-5.53	-5.34	-5.24
-115	-7.64	-6.48	-6.44	-6.42	-6.48	-6.59	-6.59	-6.09	-5.66	-5.99	-6.43	-6.91	-7.53	-8.1	-9.1	-10.3	-11.24	-12.76	-14.91	-18.03	-24.1	-25.4	-18.9	-14.9	-13.0	-11.3	-10.2	-9.2	-8.3	-7.4	-6.7	-6.49	-6.03	-5.7	-5.41	-5.22	-5.12
-110	-7.47	-6.33	-6.29	-6.27	-6.33	-6.44	-6.44	-5.95	-5.53	-5.85	-6.29	-6.76	-7.37	-8.0	-8.9	-10.1	-10.99	-12.48	-14.58	-17.62	-23.6	-24.8	-18.5	-14.6	-12.7	-11.0	-9.9	-9.0	-8.1	-7.2	-6.5	-6.34	-5.89	-5.57	-5.29	-5.09	-5.01
-105	-7.31	-6.18	-6.14	-6.12	-6.18	-6.29	-6.29	-5.81	-5.40	-5.71	-6.15	-6.61	-7.21	-7.8	-8.8	-9.9	-10.74	-12.19	-14.24	-17.21	-23.1	-24.3	-18.1	-14.3	-12.4	-10.7	-9.7	-8.8	-7.9	-7.0	-6.3	-6.19	-5.75	-5.44	-5.17	-4.97	-4.89
-100	-7.14	-6.04	-6.00	-5.98	-6.04	-6.14	-6.14	-5.67	-5.27	-5.57	-6.00	-6.45	-7.04	-7.6	-8.6	-9.7	-10.49	-11.91	-13.91	-16.81	-22.6	-23.7	-17.7	-13.9	-12.1	-10.4	-9.4	-8.6	-7.7	-6.8	-6.1	-6.04	-5.61	-5.31	-5.05	-4.85	-4.77
-95	-6.97	-5.89	-5.85	-5.83	-5.89	-5.99	-5.99	-5.53	-5.14	-5.43	-5.85	-6.29	-6.87	-7.4	-8.4	-9.5	-10.24	-11.63	-13.58	-16.41	-22.1	-23.1	-17.3	-13.6	-11.8	-10.2	-9.2	-8.4	-7.5	-6.6	-5.9	-5.89	-5.47	-5.18	-4.93	-4.73	-4.65
-90	-6.8	-5.74	-5.71	-5.69	-5.74	-5.85	-5.85	-5.39	-5.01	-5.29	-5.71	-6.14	-6.7	-7.2	-8.2	-9.3	-9.99	-11.35	-13.25	-16.01	-21.5	-22.5	-16.9	-13.3	-11.5	-9.9	-8.9	-8.2	-7.3	-6.4	-5.7	-5.74	-5.33	-5.05	-4.81	-4.61	-4.53
-85	-6.63	-5.59	-5.56	-5.54	-5.59	-5.71	-5.71	-5.25	-4.88	-5.15	-5.57	-5.99	-6.54	-7.1	-8.1	-9.1	-9.74	-11.07	-12.92	-15.61	-21.0	-21.9	-16.5	-13.0	-11.2	-9.7	-8.7	-8.0	-7.1	-6.2	-5.6	-5.59	-5.19	-4.92	-4.69	-4.49	-4.41
-80	-6.46	-5.44	-5.41	-5.39	-5.44	-5.56	-5.56	-5.11	-4.75	-5.01	-5.42	-5.84	-6.38	-6.9	-7.9	-8.9	-9.49	-10.79	-12.59	-15.21	-20.5	-21.3	-16.1	-12.7	-10.9	-9.4	-8.5	-7.8	-6.9	-6.1	-5.4	-5.44	-5.05	-4.79	-4.57	-4.37	-4.29
-75	-6.29	-5.29	-5.26	-5.24	-5.29	-5.41	-5.41	-4.97	-4.62	-4.87	-5.28	-5.69	-6.21	-6.7	-7.7	-8.7	-9.24	-10.51	-12.26	-14.81	-19.9	-20.7	-15.7	-12.4	-10.6	-9.2	-8.3	-7.6	-6.7	-5.9	-5.3	-5.29	-4.92	-4.66	-4.45	-4.25	-4.17
-70	-6.12	-5.15	-5.12	-5.10	-5.15	-5.26	-5.26	-4.83	-4.49	-4.73	-5.14	-5.54	-6.05	-6.5	-7.5	-8.5	-8.99	-10.23	-11.93	-14.41	-19.4	-20.1	-15.3	-12.1	-10.3	-8.9	-8.1	-7.4	-6.5	-5.7	-5.1	-5.15	-4.79	-4.53	-4.33	-4.13	-4.05
-65	-5.95	-5.01	-4.98	-4.96	-5.01	-5.12	-5.12	-4.69	-4.36	-4.59	-4.99	-5.39	-5.89	-6.4	-7.3	-8.3	-8.74	-9.94	-11.59	-14.01	-18.8	-19.5	-14.9	-11.8	-10.0	-8.6	-7.8	-7.2	-6.3	-5.5	-4.9	-5.01	-4.66	-4.41	-4.21	-4.02	-3.94
-60	-5.78	-4.87	-4.84	-4.82	-4.87	-4.98	-4.98	-4.55	-4.23	-4.45	-4.85	-5.24	-5.73	-6.2	-7.1	-8.1	-8.49	-9.66	-11.26	-13.61	-18.2	-18.9	-14.5	-11.4	-9.7	-8.3	-7.5	-6.9	-6.1	-5.3	-4.7	-4.87	-4.53	-4.28	-4.09	-3.91	-3.83
-55	-5.61	-4.73	-4.70	-4.68	-4.73	-4.84	-4.84	-4.41	-4.10	-4.31	-4.71	-5.09	-5.57	-6.0	-6.9	-7.9	-8.24	-9.38	-10.93	-13.21	-17.7	-18.3	-14.1	-11.0	-9.4	-8.1	-7.3	-6.7	-5.9	-5.1	-4.5	-4.73	-4.39	-4.15	-3.97	-3.79	-3.72
-50	-5.44	-4.59	-4.56	-4.54	-4.59	-4.70	-4.70	-4.28	-3.97	-4.18	-4.57	-4.94	-5.41	-5.8	-6.8	-7.8	-8.00	-9.11	-10.61	-12.81	-17.2	-17.8	-13.7	-10.7	-9.1	-7.9	-7.1	-6.5	-5.7	-4.9	-4.4	-4.59	-4.25	-4.03	-3.85	-3.68	-3.61
-45	-5.27	-4.45	-4.42	-4.40	-4.45	-4.56	-4.56	-4.15	-3.85	-4.05	-4.43	-4.79	-5.25	-5.7	-6.6	-7.6	-7.75	-8.83	-10.29	-12.41	-16.7	-17.2	-13.3	-10.4	-8.8	-7.6	-6.8	-6.2	-5.5	-4.7	-4.2	-4.45	-4.12	-3.91	-3.73	-3.57	-3.50
-40	-5.11	-4.31	-4.28	-4.26	-4.31	-4.42	-4.42	-4.02	-3.73	-3.92	-4.29	-4.64	-5.09	-5.5	-6.5	-7.5	-7.51	-8.55	-9.97	-12.01	-16.2	-16.7	-12.9	-10.1	-8.5	-7.3	-6.6	-6.0	-5.3	-4.5	-4.0	-4.31	-3.99	-3.78	-3.61	-3.46	-3.39
-35	-4.94	-4.17	-4.14	-4.12	-4.17	-4.28	-4.28	-3.89	-3.61	-3.79	-4.15	-4.49	-4.93	-5.3	-6.3	-7.3	-7.27	-8.28	-9.65	-11.62	-15.7	-16.2	-12.5	-9.8	-8.2	-7.1	-6.4	-5.8	-5.1	-4.4	-3.9	-4.17	-3.86	-3.66	-3.49	-3.35	-3.28
-30	-4.78	-4.03	-4.00	-3.98	-4.03	-4.14	-4.14	-3.76	-3.49	-3.67	-4.01	-4.34	-4.77	-5.1	-6.1	-7.1	-7.03	-8.01	-9.33	-11.24	-15.2	-15.7	-12.1	-9.5	-7.9	-6.8	-6.2	-5.6	-4.9	-4.2	-3.8	-4.03	-3.73	-3.54	-3.37	-3.24	-3.17
-25	-4.61	-3.89	-3.86	-3.84	-3.89	-4.00	-4.00	-3.63	-3.37	-3.54	-3.87	-4.19	-4.61	-4.9	-5.9	-6.9	-6.79	-7.74	-9.01	-10.86	-14.7	-15.2	-11.7	-9.2	-7.6	-6.6	-5.9	-5.4	-4.7	-4.0	-3.6	-3.89	-3.61	-3.42	-3.25	-3.13	-3.06
-20	-4.45	-3.75	-3.72	-3.70	-3.75	-3.86	-3.86	-3.50	-3.25	-3.41	-3.73	-4.04	-4.45	-4.7	-5.7	-6.7	-6.55	-7.47	-8.69	-10.48	-14.2	-14.7	-11.3	-8.9	-7.3	-6.4	-5.7	-5.2	-4.5	-3.9	-3.4	-3.75	-3.48	-3.30	-3.13	-3.02	-2.95
-15	-4.28	-3.61	-3.58	-3.56	-3.61	-3.72	-3.72	-3.37	-3.13	-3.28	-3.59	-3.89	-4.29	-4.5	-5.5	-6.5	-6.31	-7.20	-8.37	-10.10	-13.7	-14.2	-10.9	-8.6	-7.0	-6.2	-5.5	-5.0	-4.3	-3.7	-3.3	-3.61	-3.36	-3.18	-3.01	-2.91	-2.84
-10	-4.12	-3.47	-3.44	-3.42	-3.47	-3.58	-3.58	-3.24	-3.01	-3.16	-3.45	-3.74	-4.12	-4.4	-5.4	-6.4	-6.08	-6.93	-8.06	-9.72	-13.2	-13.7	-10.5	-8.3	-6.8	-5.9	-5.3	-4.8	-4.1	-3.6	-3.2	-3.47	-3.23	-3.06	-2.89	-2.80	-2.73
-5	-3.95	-3.33	-3.30	-3.28	-3.33	-3.44	-3.44	-3.11	-2.89	-3.04	-3.31	-3.59	-3.95	-4.2	-5.2	-6.2	-5.85	-6.67	-7.75	-9.35	-12.7	-13.2	-10.1	-8.0	-6.5	-5.7	-5.1	-4.6	-3.9	-3.4	-3.0	-3.33	-3.11	-2.94	-2.77	-2.69	-2.62
0	-3.79	-3.19	-3.16	-3.14	-3.19	-3.30	-3.30	-2.98	-2.77	-2.91	-3.18	-3.44	-3.79	-4.0	-5.0	-6.0	-5.62	-6.41	-7.44	-8.98	-12.2	-12.7	-9.7	-7.7	-6.2	-5.4	-4.9	-4.4	-3.7	-3.2	-2.8	-3.19	-2.98	-2.82	-2.66	-2.58	-2.51
5	-3.63	-3.05	-3.02	-3.00	-3.05	-3.16	-3.16	-2.85	-2.65	-2.79	-3.04	-3.29	-3.63	-3.8	-4.8	-5.8	-5.39	-6.15	-7.13	-8.61	-11.7	-12.2	-9.3	-7.4	-5.9	-5.2	-4.7	-4.2	-3.5	-3.0	-2.7	-3.05	-2.85	-2.70	-2.55	-2.47	-2.40
10	-3.47	-2.91	-2.88	-2.86	-2.91	-3.02	-3.02	-2.72	-2.53	-2.67	-2.90	-3.14	-3.47	-3.7	-4.7	-5.7	-5.16	-5.89	-6.82	-8.24	-11.2	-11.7	-8.9	-7.1	-5.7	-4.9	-4.5	-4.0	-3.4	-2.9	-2.5	-2.91	-2.72	-2.58	-2.44	-2.36	-2.29
15	-3.31	-2.77	-2.74	-2.72	-2.77	-2.88	-2.88	-2.59	-2.41	-2.55	-2.76	-2.99	-3.31	-3.5	-4.5	-5.5	-4.93	-5.63	-6.52	-7.87	-10.7	-11.2	-8.5	-6.8	-5.4	-4.7	-4.3	-3.8	-3.2	-2.7	-2.4	-2.77	-2.59	-2.46	-2.33	-2.25	-2.18
20	-3.15	-2.63	-2.60	-2.58	-2.63	-2.74	-2.74	-2.46	-2.29	-2.42	-2.62	-2.84	-3.15	-3.3	-4.3	-5.3	-4.71	-5.38	-6.23	-7.52	-10.2	-10.7	-8.1	-6.5	-5.2	-4.5	-4.1	-3.6	-3.0	-2.6	-2.2	-2.63	-2.46	-2.33	-2.22	-2.14	-2.07
25	-2.99	-2.49	-2.46	-2.44	-2.49	-2.60	-2.60	-2.33	-2.17	-2.29	-2.48	-2.69	-2.99	-3.1	-4.1	-5.1	-4.48	-5.12	-5.94	-7.17	-9.7	-10.2	-7.7	-6.2	-4.9	-4.3	-3.9	-3.4	-2.8	-2.4	-2.1	-2.49	-2.33	-2.21	-2.11	-2.03	-1.96
30	-2.83	-2.35	-2.32	-2.30	-2.35	-2.46	-2.46	-2.20	-2.05	-2.16	-2.34	-2.54	-2.83	-2.9	-3.9	-4.9	-4.24	-4.85	-5.62	-6.79	-9.2	-9.7	-7.3	-5.9	-4.6	-4.1	-3.7	-3.2	-2.7	-2.3	-2.0	-2.35	-2.20	-2.09	-1.99	-1.92	-1.85
35	-2.67	-2.21	-2.18	-2.16	-2.21	-2.32	-2.32	-2.07	-1.93	-2.04	-2.21	-2.39	-2.67	-2.8	-3.8	-4.8	-4.01	-4.58	-5.31	-6.42	-8.7	-9.2	-6.9	-5.6	-4.3	-3.9	-3.5	-3.0	-2.5	-2.2	-1.9	-2.21	-2.07	-1.97	-1.88	-1.81	-1.75
40	-2.51	-2.08	-2.05	-2.03	-2.08	-2.18	-2.18	-1.95	-1.81	-1.92	-2.08	-2.25	-2.51	-2.6	-3.6	-4.6	-3.79	-4.32	-5.01	-6.05	-8.2	-8.7	-6.5	-5.3	-4.1	-3.7	-3.3	-2.8	-2.4	-2.1	-1.8	-2.08	-1.95	-1.86	-1.77	-1.71	-1.65
45	-2.35	-1.95	-1.92	-1.90	-1.95	-2.05	-2.05	-1.83	-1.70	-1.80	-1.95	-2.11	-2.35	-2.5	-3.5	-4.5	-3.56	-4.06	-4.71	-5.69	-7.7	-8.2	-6.1	-4.9	-3.9	-3.4	-3.1	-2.6	-2.3	-1.9	-1.7	-1.95	-1.83	-1.74	-1.66	-1.61	-1.55
50	-2.19	-1.82	-1.79	-1.77	-1.82	-1.92	-1.92	-1.71	-1.59	-1.68	-1.82	-1.97	-2.19	-2.3	-3.3	-4.3	-3.33	-3.79	-4.41	-5.33	-7.2	-7.7	-5.7	-4.6	-3.6	-3.2	-2.9	-2.4	-2.1	-1.8	-1.6	-1.82	-1.71	-1.63	-1.55	-1.51	-1.45
55	-2.03	-1.69	-1.66	-1.64	-1.69	-1.79	-1.79	-1.59	-1.48	-1.56	-1.69	-1.83	-2.03	-2.2	-3.2	-4.2	-3.09	-3.52	-4.10	-4.96	-6.7	-7.2	-5.3	-4.3	-3.4	-3.0	-2.7	-2.3	-1.9	-1.7	-1.5	-1.69	-1.59	-1.52	-1.44	-1.41	-1.35
60	-1.87	-1.56	-1.53	-1.51	-1.56	-1.66	-1.66	-1.47	-1.37	-1.44	-1.56	-1.69	-1.87	-2.0	-3.0	-4.0	-2.85	-3.24	-3.78	-4.57	-6.2	-6.7	-4.9	-3.9	-3.1	-2.8	-2.5	-2.1	-1.8	-1.5	-1.4	-1.56	-1.47	-1.40	-1.33	-1.31	-1.25
65	-1.71	-1.42	-1.40	-1.38	-1.42	-1.53	-1.53	-1.35	-1.26	-1.32	-1.43	-1.55	-1.71	-1.8	-2.8	-3.8	-2.62	-2.97	-3.47	-4.19	-5.7	-6.2	-4.5	-3.6	-2.8	-2.6	-2.3	-1.9	-1.6	-1.4	-1.2	-1.42	-1.35	-1.28	-1.22	-1.21	-1.15
70	-1.54	-1.29	-1.27	-1.25	-1.29	-1.40	-1.40	-1.23	-1.15	-1.20	-1.31	-1.42	-1.54	-1.6	-2.6	-3.6	-2.39	-2.71	-3.16	-3.82	-5.2	-5.7	-4.1	-3.3	-2.6	-2.3	-2.1	-1.7	-1.5	-1.2	-1.1	-1.29	-1.23	-1.17	-1.11	-1.11	-1.05
75	-1.38	-1.16	-1.14	-1.12	-1.16	-1.27	-1.27	-1.11	-1.04	-1.08	-1.18	-1.28	-1.38	-1.5	-2.5	-3.5	-2.16	-2.45	-2.86	-3.45	-4.7	-5.2	-3.7	-3.0	-2.4	-2.1	-1.9	-1.5	-1.3	-1.1	-0.9	-1.16	-1.11	-1.06	-1.00	-1.01	-0.95
80	-1.21	-1.02	-1.00	-0.98	-1.02	-1.14	-1.14	-0.98	-0.92	-0.96	-1.05	-1.14	-1.21	-1.3	-2.3	-3.3	-1.93	-2.18	-2.55	-3.08	-4.2	-4.7	-3.3	-2.7	-2.1	-1.9	-1.6	-1.3	-1.1	-0.9	-0.8	-1.02	-0.98	-0.95	-0.89	-0.91	-0.85
85	-1.05	-0.89	-0.87	-0.85	-0.89	-1.00	-1.00	-0.86	-0.81	-0.84	-0.92	-1.00	-1.05	-1.2	-2.2	-3.2	-1.69	-1.91	-2.24	-2.70	-3.7	-4.2	-2.9	-2.4	-1.8	-1.6	-1.4	-1.1	-0.9	-0.8	-0.7	-0.89	-0.86	-0.83	-0.78	-0.81	-0.75
90	-0.88	-0.77	-0.75	-0.73	-0.77	-0.87	-0.87	-0.75	-0.71	-0.73	-0.80	-0.87	-0.88	-1.1	-2.1	-3.1	-1.46	-1.64	-1.92	-2.31	-3.2	-3.7	-2.5	-2.1	-1.6	-1.4	-1.2	-0.9	-0.8	-0.6	-0.5	-0.77	-0.75	-0.72	-0.68	-0.71	-0.65
95	-0.72	-0.66	-0.64	-0.62	-0.66	-0.74	-0.74	-0.65	-0.61	-0.62	-0.68	-0.74	-0.72	-1.0	-2.0	-3.0	-1.23	-1.37	-1.60	-1.93	-2.7	-3.2	-2.1	-1.8	-1.4	-1.2	-1.0	-0.8	-0.6	-0.5	-0.4	-0.66	-0.64	-0.61	-0.58	-0.61	-0.55
100	-0.56	-0.54	-0.52	-0.50	-0.54	-0.61	-0.61	-0.54	-0.51	-0.51	-0.56	-0.61	-0.56	-0.9	-1.9	-2.9	-1.00	-1.09	-1.28	-1.55	-2.2	-2.7	-1.8	-1.5	-1.2	-1.0	-0.8	-0.6	-0.5	-0.4	-0.3	-0.54	-0.52	-0.50	-0.48	-0.51	-0.45
105	-0.39	-0.42	-0.40	-0.38	-0.42	-0.48	-0.48	-0.42	-0.41	-0.40	-0.44	-0.48	-0.39	-0.8	-1.8	-2.8	-0.77	-0.81	-0.96	-1.17	-1.7	-2.2	-1.4	-1.2	-0.9	-0.8	-0.6	-0.4	-0.3	-0.2	-0.1	-0.42	-0.41	-0.39	-0.38	-0.41	-0.35
110	-0.22	-0.31	-0.29	-0.27	-0.31	-0.36	-0.36	-0.31	-0.31	-0.29	-0.32	-0.36	-0.22	-0.7	-1.7	-2.7	-0.54	-0.53	-0.64	-0.79	-1.2	-1.7	-1.0	-0.9	-0.7	-0.6	-0.4	-0.2	-0.1	-0.0	0.1	-0.31	-0.31	-0.29	-0.28	-0.31	-0.25
115	-0.05	-0.21	-0.19	-0.17	-0.21	-0.24	-0.24	-0.21	-0.21	-0.19	-0.21	-0.24	-0.05	-0.6	-1.6	-2.6	-0.31	-0.25	-0.32	-0.41	-0.7	-1.2	-0.7	-0.6	-0.5	-0.4	-0.2	-0.0	0.1	0.2	0.3	-0.21	-0.21	-0.19	-0.18	-0.21	-0.15
120	0.12	-0.12	-0.10	-0.08	-0.12	-0.12	-0.12	-0.12	-0.12	-0.10	-0.11	-0.12	0.12	-0.5	-1.5	-2.5	-0.09	-0.08	-0.01	0.04	-0.2	-0.7	-0.4	-0.3	-0.2	-0.2	-0.0	0.1	0.2	0.3	0.4	-0.12	-0.12	-0.10	-0.09	-0.12	-0.06
125	0.29	-0.03	-0.01	0.01	-0.03	-0.03	-0.03	-0.03	-0.03	-0.01	-0.02	-0.03	0.29	-0.4	-1.4	-2.4	0.13	0.17	0.24	0.29	0.3	-0.2	-0.2	-0.1	-0.1	-0.1	0.1	0.2	0.3	0.4	0.5	-0.03	-0.03	-0.01	0.00	-0.03	0.03
130	0.46	0.06	0.08	0.10	0.06	0.06	0.06	0.06	0.06	0.08	0.07	0.06	0.46	-0.3	-1.3	-2.3	0.35	0.42	0.49	0.54	0.5	0.1	0.0	0.0	0.0	0.0	0.2	0.3	0.4	0.5	0.6	0.06	0.06	0.08	0.09	0.06	0.12
135	0.63	0.15	0.17	0.19	0.15	0.15	0.15	0.15	0.15	0.17	0.16	0.15	0.63	-0.2	-1.2	-2.2	0.57	0.67	0.74	0.79	0.7	0.3	0.2	0.2	0.2	0.2	0.3	0.4	0.5	0.6	0.7	0.15	0.15	0.17	0.18	0.15	0.21
140	0.79	0.24	0.26	0.28	0.24	0.24	0.24	0.24	0.24	0.26	0.25	0.24	0.79	-0.1	-1.1	-2.1	0.79	0.92	0.99	1.04	0.9	0.5	0.4	0.4	0.4	0.4	0.5	0.6	0.7	0.8	0.9	0.24	0.24	0.26	0.27	0.24	0.30
145	0.94	0.33	0.35	0.37	0.33	0.33	0.33	0.33	0.33	0.35	0.34	0.33	0.94	0.0	-1.0	-2.0	0.99	1.15	1.23	1.28	1.1	0.7	0.6	0.6	0.6	0.6	0.7	0.8	0.9	1.0	1.1	0.33	0.33	0.35	0.36	0.33	0.39
150	1.09	0.42	0.44	0.46	0.42	0.42	0.42	0.42	0.42	0.44	0.43	0.42	1.09	0.1	-0.9	-1.9	1.19	1.38	1.47	1.52	1.3	0.9	0.8	0.8	0.8	0.8	0.9	1.0	1.1	1.2	1.3	0.42	0.42	0.44	0.45	0.42	0.48
155	1.24	0.51	0.53	0.55	0.51	0.51	0.51	0.51	0.51	0.53	0.52	0.51	1.24	0.2	-0.8	-1.8	1.39	1.61	1.72	1.77	1.5	1.1	1.0	1.0	1.0	1.0	1.1	1.2	1.3	1.4	1.5	0.51	0.51	0.53	0.54	0.51	0.57
160	1.39	0.60	0.62	0.64	0.60	0.60	0.60	0.60	0.60	0.62	0.61	0.60	1.39	0.3	-0.7	-1.7	1.59	1.84	1.97	2.02	1.7	1.3	1.2	1.2	1.2	1.2	1.3	1.4	1.5	1.6	1.

EH - 2412 MHz

Azimuth (Phi°)

Elevation (Theta°)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180
180	-7.03	-7.68	-8.45	-9.35	-10.4	-11.62	-13.1	-14.8	-16.7	-18.4	-19.2	-18.6	-16.8	-13.1	-11.2	-10.3	-10.4	-11.2	-12.6	-14.3	-16.2	-18.1	-19.2	-18.8	-16.7	-14.8	-13.1	-11.2	-10.3	-9.35	-8.45	-7.68	-7.03	-6.49	-6.05	-5.69	-5.42
175	-6.49	-6.96	-7.52	-8.17	-8.94	-9.85	-10.9	-12.1	-13.4	-14.7	-15.8	-16.4	-16.4	-15.8	-14.7	-13.4	-12.1	-10.9	-9.85	-8.94	-8.17	-7.52	-6.96	-6.49	-6.12	-5.84	-5.65	-5.55	-5.55	-5.65	-5.84	-6.12	-6.49	-6.96	-7.52	-8.17	-8.94
170	-6.05	-6.79	-7.52	-7.35	-7.46	-7.66	-8.07	-8.51	-9.06	-9.68	-10.4	-11.2	-12.1	-13.1	-14.2	-15.3	-16.4	-17.4	-18.3	-19.1	-19.6	-19.8	-19.6	-19.1	-18.3	-17.4	-16.4	-15.3	-14.2	-13.1	-12.1	-11.2	-10.4	-9.68	-9.06	-8.51	-8.07
165	-5.62	-6.76	-7.85	-8.72	-9.32	-9.52	-9.72	-9.93	-10.16	-10.42	-10.72	-11.08	-11.47	-11.90	-12.36	-12.85	-13.35	-13.85	-14.33	-14.77	-15.14	-15.41	-15.57	-15.61	-15.57	-15.41	-15.14	-14.77	-14.33	-13.85	-13.35	-12.85	-12.36	-11.90	-11.47	-11.08	-10.72
160	-5.34	-6.37	-7.39	-8.12	-8.7	-8.88	-8.99	-9.1	-9.26	-9.45	-9.67	-9.92	-10.19	-10.48	-10.79	-11.12	-11.46	-11.79	-12.11	-12.41	-12.68	-12.91	-13.08	-13.18	-13.21	-13.18	-13.08	-12.91	-12.68	-12.41	-12.11	-11.79	-11.46	-11.12	-10.79	-10.48	-10.19
155	-5.16	-6.06	-6.79	-7.23	-7.4	-7.49	-7.58	-7.69	-7.81	-7.95	-8.11	-8.29	-8.48	-8.69	-8.91	-9.14	-9.37	-9.59	-9.79	-9.97	-10.12	-10.23	-10.29	-10.31	-10.29	-10.23	-10.12	-9.97	-9.79	-9.59	-9.37	-9.14	-8.91	-8.69	-8.48	-8.29	-8.11
150	-5.05	-5.86	-6.39	-6.59	-6.64	-6.69	-6.74	-6.81	-6.89	-6.98	-7.09	-7.22	-7.36	-7.51	-7.67	-7.83	-7.98	-8.13	-8.27	-8.39	-8.49	-8.57	-8.62	-8.64	-8.62	-8.57	-8.49	-8.39	-8.27	-8.13	-7.98	-7.83	-7.67	-7.51	-7.36	-7.22	-7.09
145	-4.98	-5.67	-5.94	-5.97	-5.99	-6.01	-6.04	-6.08	-6.13	-6.19	-6.26	-6.34	-6.43	-6.53	-6.63	-6.73	-6.83	-6.92	-7.00	-7.07	-7.12	-7.16	-7.18	-7.19	-7.18	-7.16	-7.12	-7.07	-7.00	-6.92	-6.83	-6.73	-6.63	-6.53	-6.43	-6.34	-6.26
140	-4.94	-5.52	-5.71	-5.73	-5.74	-5.75	-5.77	-5.79	-5.82	-5.86	-5.91	-5.97	-6.03	-6.09	-6.16	-6.22	-6.28	-6.33	-6.37	-6.40	-6.42	-6.43	-6.43	-6.42	-6.40	-6.37	-6.33	-6.28	-6.22	-6.16	-6.09	-6.03	-5.97	-5.91	-5.86	-5.82	-5.79
135	-4.92	-5.43	-5.57	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59
130	-4.91	-5.37	-5.49	-5.51	-5.52	-5.53	-5.54	-5.55	-5.56	-5.57	-5.58	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59
125	-4.91	-5.32	-5.42	-5.45	-5.47	-5.49	-5.51	-5.53	-5.55	-5.57	-5.58	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59
120	-4.92	-5.29	-5.37	-5.39	-5.41	-5.43	-5.45	-5.47	-5.49	-5.51	-5.53	-5.55	-5.57	-5.58	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59
115	-4.94	-5.27	-5.34	-5.36	-5.38	-5.40	-5.42	-5.44	-5.46	-5.48	-5.50	-5.52	-5.54	-5.56	-5.57	-5.58	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59
110	-4.97	-5.25	-5.32	-5.34	-5.36	-5.38	-5.40	-5.42	-5.44	-5.46	-5.48	-5.50	-5.52	-5.54	-5.56	-5.57	-5.58	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59
105	-5.01	-5.24	-5.31	-5.33	-5.35	-5.37	-5.39	-5.41	-5.43	-5.45	-5.47	-5.49	-5.51	-5.53	-5.55	-5.57	-5.58	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59
100	-5.06	-5.24	-5.31	-5.33	-5.35	-5.37	-5.39	-5.41	-5.43	-5.45	-5.47	-5.49	-5.51	-5.53	-5.55	-5.57	-5.58	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59
95	-5.12	-5.25	-5.32	-5.34	-5.36	-5.38	-5.40	-5.42	-5.44	-5.46	-5.48	-5.50	-5.52	-5.54	-5.56	-5.57	-5.58	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59
90	-5.19	-5.27	-5.34	-5.36	-5.38	-5.40	-5.42	-5.44	-5.46	-5.48	-5.50	-5.52	-5.54	-5.56	-5.57	-5.58	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59
85	-5.26	-5.32	-5.39	-5.41	-5.43	-5.45	-5.47	-5.49	-5.51	-5.53	-5.55	-5.57	-5.58	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59
80	-5.34	-5.39	-5.45	-5.47	-5.49	-5.51	-5.53	-5.55	-5.57	-5.58	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59
75	-5.43	-5.47	-5.52	-5.54	-5.56	-5.58	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59
70	-5.53	-5.56	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59	-5.59
65	-5.63	-5.65	-5.67	-5.69	-5.71	-5.73	-5.75	-5.77	-5.79	-5.81	-5.83	-5.85	-5.87	-5.89	-5.91	-5.93	-5.95	-5.97	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99
60	-5.74	-5.75	-5.77	-5.79	-5.81	-5.83	-5.85	-5.87	-5.89	-5.91	-5.93	-5.95	-5.97	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99
55	-5.86	-5.87	-5.89	-5.91	-5.93	-5.95	-5.97	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99	-5.99
50	-6.00	-6.01	-6.03	-6.05	-6.07	-6.09	-6.11	-6.13	-6.15	-6.17	-6.19	-6.21	-6.23	-6.25	-6.27	-6.29	-6.31	-6.33	-6.35	-6.37	-6.39	-6.39	-6.39	-6.39	-6.39	-6.39	-6.39	-6.39	-6.39	-6.39	-6.39	-6.39	-6.39	-6.39	-6.39	-6.39	-6.39
45	-6.16	-6.17	-6.19	-6.21	-6.23	-6.25	-6.27	-6.29	-6.31	-6.33	-6.35	-6.37	-6.39	-6.39	-6.39	-6.39	-6.39	-6.39	-6.39	-6.39	-6.39	-6.39	-6.39	-6.39	-6.39	-6.39	-6.39	-6.39	-6.39	-6.39	-6.39	-6.39	-6.39	-6.39	-6.39	-6.39	-6.39
40	-6.34	-6.35	-6.37	-6.39	-6.41	-6.43	-6.45	-6.47	-6.49	-6.51	-6.53	-6.55	-6.57	-6.59	-6.61	-6.63	-6.65	-6.67	-6.69	-6.69	-6.69	-6.69	-6.69	-6.69	-6.69	-6.69	-6.69	-6.69	-6.69	-6.69	-6.69	-6.69	-6.69	-6.69	-6.69	-6.69	-6.69
35	-6.52	-6.53	-6.55	-6.57	-6.59	-6.61	-6.63	-6.65	-6.67	-6.69	-6.71	-6.73	-6.75	-6.77	-6.79	-6.81	-6.83	-6.85	-6.87	-6.89	-6.89	-6.89	-6.89	-6.89	-6.89	-6.89	-6.89	-6.89	-6.89	-6.89	-6.89	-6.89	-6.89	-6.89	-6.89	-6.89	-6.89
30	-6.69	-6.71	-6.73	-6.75	-6.77	-6.79	-6.81	-6.83	-6.85	-6.87	-6.89	-6.91	-6.93	-6.95	-6.97	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99
25	-6.87	-6.89	-6.91	-6.93	-6.95	-6.97	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99	-6.99
20	-7.05	-7.07	-7.09	-7.11	-7.13	-7.15	-7.17	-7.19	-7.21	-7.23	-7.25	-7.27	-7.29	-7.29	-7.29	-7.29	-7.29	-7.29	-7.29	-7.29	-7.29	-7.29	-7.29	-7.29	-7.29	-7.29	-7.29	-7.29	-7.29	-7.29	-7.29	-7.29	-7.29	-7.29	-7.29	-7.29	-7.29
15	-7.24	-7.26	-7.28	-7.30	-7.32	-7.34	-7.36	-7.38	-7.40	-7.42	-7.44	-7.46	-7.48	-7.49	-7.49	-7.49	-7.49	-7.49	-7.49	-7.49	-7.49	-7.49	-7.49	-7.49	-7.49	-7.49	-7.49	-7.49	-7.49	-7.49	-7.49	-7.49	-7.49	-7.49	-7.49	-7.49	-7.49
10	-7.42	-7.44	-7.46	-7.48	-7.50	-7.52	-7.54	-7.56	-7.58	-7.60	-7.62	-7.64	-7.66	-7.68	-7.69	-7.69	-7.69	-7.69	-7.69	-7.69	-7.69	-7.69	-7.69	-7.69	-7.69	-7.69	-7.69	-7.69	-7.69	-7.69	-7.69	-7.69	-7.69	-7.69	-7.69	-7.69	-7.69
5	-7.59	-7.61	-7.63	-7.65	-7.67	-7.69	-7.71	-7.73	-7.75	-7.77	-7.79	-7.81	-7.83	-7.85	-7.87	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89
0	-7.77	-7.79	-7.81	-7.83	-7.85	-7.87	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89	-7.89

EV - 2412 MHz

Azimuth (Phi°)

Elevation (Theta°)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180
180	-8.44	-7.68	-7.03	-6.49	-6.02	-5.69	-5.36	-5.12	-4.95	-4.85	-4.80	-4.86	-5.12	-5.36	-5.69	-6.02	-6.49	-7.03	-7.68	-8.44	-9.35	-10.4	-11.6	-13.1	-14.8	-16.7	-18.4	-19.2	-18.6	-16.8	-15.1	-13.4	-11.9	-10.8	-10.1	-9.85	-9.85
175	-7.52	-6.96	-6.49	-6.12	-5.84	-5.65	-5.55	-5.55	-5.65	-5.84	-6.12	-6.49	-6.96	-7.52	-8.17	-8.94	-9.85	-10.9	-12.1	-13.4	-14.7	-15.8	-16.4	-16.4	-15.8	-14.7	-13.4	-12.1	-10.9	-9.85	-8.94	-8.17	-7.52	-6.96	-6.49	-6.12	-5.84
170	-8.17	-7.52	-6.96	-6.49	-6.05	-5.79	-5.52	-5.35	-5.26	-5.26	-5.35	-5.52	-5.79	-6.05	-6.49	-6.96	-7.52	-8.17	-8.94	-9.85	-10.9	-12.1	-13.4	-14.7	-15.8	-16.4	-16.4	-15.8	-14.7	-13.4	-12.1	-10.9	-9.85	-8.94	-8.17	-7.52	-6.96
165	-8.94	-8.07	-7.52	-7.09	-6.76	-6.52	-6.37	-6.34	-6.43	-6.62	-6.89	-7.23	-7.62	-8.04	-8.48	-8.93	-9.37	-9.79	-10.18	-10.52	-10.79	-10.97	-11.06	-11.06	-10.97	-10.79	-10.52	-10.18	-9.79	-9.37	-8.93	-8.48	-8.04	-7.62	-7.23	-6.89	-6.62
160	-9.79	-8.51	-7.52	-6.76	-6.12	-5.72	-5.49	-5.42	-5.49	-5.72	-6.12	-6.76	-7.52	-8.51	-9.79	-11.2	-12.7	-14.2	-15.6	-16.8	-17.8	-18.4	-18.6	-18.4	-17.8	-16.8	-15.6	-14.2	-12.7	-11.2	-9.79	-8.51	-7.52	-6.76	-6.12	-5.72	-5.49
155	-10.4	-8.94	-7.66	-6.59	-5.79	-5.23	-4.94	-4.89	-5.07	-5.47	-6.06	-6.79	-7.66	-8.67	-9.80	-11.0	-12.3	-13.6	-14.8	-15.9	-16.8	-17.4	-17.7	-17.7	-17.4	-16.8	-15.9	-14.8	-13.6	-12.3	-11.0	-9.80	-8.67	-7.66	-6.79	-6.06	-5.47
150	-10.9	-9.11	-7.1	-5.69	-4.62	-3.79	-3.3	-3.1	-3.27	-3.84	-4.79	-6.07	-7.66	-9.47	-11.4	-13.4	-15.4	-17.3	-19.1	-20.6	-21.8	-22.6	-23.0	-23.0	-22.6	-21.8	-20.6	-19.1	-17.3	-15.4	-13.4	-11.4	-9.47	-7.66	-6.07	-4.79	-3.84
145	-11.2	-9.26	-7.3	-5.7	-4.37	-3.43	-2.9	-2.73	-2.9	-3.43	-4.37	-5.7	-7.3	-9.26	-11.2	-13.3	-15.4	-17.5	-19.5	-21.3	-22.8	-23.9	-24.6	-24.9	-24.6	-23.9	-22.8	-21.3	-19.5	-17.5	-15.4	-13.3	-11.2	-9.26	-7.3	-5.7	-4.37
140	-11.3	-9.26	-7.3	-5.7	-4.37	-3.43	-2.9	-2.73	-2.9	-3.43	-4.37	-5.7	-7.3	-9.26	-11.2	-13.3	-15.4	-17.5	-19.5	-21.3	-22.8	-23.9	-24.6	-24.9	-24.6	-23.9	-22.8	-21.3	-19.5	-17.5	-15.4	-13.3	-11.2	-9.26	-7.3	-5.7	-4.37
135	-11.2	-9.11	-7.1	-5.69	-4.62	-3.79	-3.3	-3.1	-3.27	-3.84	-4.79	-6.07	-7.66	-9.47	-11.4	-13.4	-15.4	-17.3	-19.1	-20.6	-21.8	-22.6	-23.0	-23.0	-22.6	-21.8	-20.6	-19.1	-17.3	-15.4	-13.4	-11.4	-9.47	-7.66	-6.07	-4.79	-3.84
130	-10.9	-8.94	-7.66	-6.59	-5.79	-5.23	-4.94	-4.89	-5.07	-5.47	-6.06	-6.79	-7.66	-8.67	-9.80	-11.0	-12.3	-13.6	-14.8	-15.9	-16.8	-17.4	-17.7	-17.7	-17.4	-16.8	-15.9	-14.8	-13.6	-12.3	-11.0	-9.80	-8.67	-7.66	-6.79	-6.06	-5.47
125	-10.4	-8.51	-7.52	-6.76	-6.12	-5.72	-5.49	-5.42	-5.49	-5.72	-6.12	-6.76	-7.52	-8.51	-9.79	-11.2	-12.7	-14.2	-15.6	-16.8	-17.8	-18.4	-18.6	-18.4	-17.8	-16.8	-15.6	-14.2	-12.7	-11.2	-9.79	-8.51	-7.52	-6.76	-6.12	-5.72	-5.49
120	-9.79	-8.07	-7.52	-7.09	-6.76	-6.52	-6.37	-6.34	-6.43	-6.62	-6.89	-7.23	-7.62	-8.04	-8.48	-8.93	-9.37	-9.79	-10.18	-10.52	-10.79	-10.97	-11.06	-11.06	-10.97	-10.79	-10.52	-10.18	-9.79	-9.37	-8.93	-8.48	-8.04	-7.62	-7.23	-6.89	-6.62
115	-8.44	-7.68	-7.03	-6.49	-6.05	-5.79	-5.52	-5.35	-5.26	-5.26	-5.35	-5.52	-5.79	-6.05	-6.49	-6.96	-7.52	-8.17	-8.94	-9.85	-10.9	-12.1	-13.4	-14.7	-15.8	-16.4	-16.4	-15.8	-14.7	-13.4	-12.1	-10.9	-9.85	-8.94	-8.17	-7.52	-6.96
110	-7.52	-6.96	-6.49	-6.12	-5.84	-5.65	-5.55	-5.55	-5.65	-5.84	-6.12	-6.49	-6.96	-7.52	-8.17	-8.94	-9.85	-10.9	-12.1	-13.4	-14.7	-15.8	-16.4	-16.4	-15.8	-14.7	-13.4	-12.1	-10.9	-9.85	-8.94	-8.17	-7.52	-6.96	-6.49	-6.12	-5.84
105	-6.79	-6.07	-5.47	-5.09	-4.94	-4.98	-5.17	-5.47	-5.84	-6.26	-6.69	-7.10	-7.47	-7.77	-7.97	-8.04	-7.97	-7.77	-7.47	-7.10	-6.69	-6.26	-5.84	-5.47	-5.17	-4.98	-4.94	-5.09	-5.47	-6.07	-6.79	-7.66	-8.67	-9.80	-11.0	-12.3	-13.6
100	-5.79	-4.79	-3.84	-3.27	-2.9	-2.73	-2.7	-2.8	-2.9	-2.9	-2.8	-2.7	-2.73	-2.9	-3.27	-3.84	-4.79	-5.79	-6.79	-7.66	-8.48	-9.09	-9.47	-9.59	-9.47	-9.09	-8.48	-7.66	-6.79	-5.79	-4.79	-3.84	-3.27	-2.9	-2.73	-2.7	-2.8
95	-4.37	-3.43	-2.9	-2.73	-2.7	-2.8	-2.9	-2.9	-2.8	-2.7	-2.73	-2.9	-3.43	-4.37	-5.7	-7.3	-9.26	-11.2	-13.3	-15.4	-17.5	-19.5	-21.3	-22.8	-23.9	-24.6	-24.9	-24.6	-23.9	-22.8	-21.3	-19.5	-17.5	-15.4	-13.3	-11.2	-9.26
90	-3.79	-3.3	-3.1	-3.27	-3.84	-4.79	-6.07	-7.66	-9.47	-11.4	-13.4	-15.4	-17.3	-19.1	-20.6	-21.8	-22.6	-23.0	-23.0	-22.6	-21.8	-20.6	-19.1	-17.3	-15.4	-13.4	-11.4	-9.47	-7.66	-6.07	-4.79	-3.84	-3.27	-3.1	-3.3	-3.79	-4.37
85	-3.79	-3.3	-3.1	-3.27	-3.84	-4.79	-6.07	-7.66	-9.47	-11.4	-13.4	-15.4	-17.3	-19.1	-20.6	-21.8	-22.6	-23.0	-23.0	-22.6	-21.8	-20.6	-19.1	-17.3	-15.4	-13.4	-11.4	-9.47	-7.66	-6.07	-4.79	-3.84	-3.27	-3.1	-3.3	-3.79	-4.37
80	-4.37	-3.43	-2.9	-2.73	-2.7	-2.8	-2.9	-2.9	-2.8	-2.7	-2.73	-2.9	-3.43	-4.37	-5.7	-7.3	-9.26	-11.2	-13.3	-15.4	-17.5	-19.5	-21.3	-22.8	-23.9	-24.6	-24.9	-24.6	-23.9	-22.8	-21.3	-19.5	-17.5	-15.4	-13.3	-11.2	-9.26
75	-5.79	-4.79	-3.84	-3.27	-2.9	-2.73	-2.7	-2.8	-2.9	-2.9	-2.8	-2.7	-2.73	-2.9	-3.27	-3.84	-4.79	-5.79	-6.79	-7.66	-8.48	-9.09	-9.47	-9.59	-9.47	-9.09	-8.48	-7.66	-6.79	-5.79	-4.79	-3.84	-3.27	-2.9	-2.73	-2.7	-2.8
70	-7.52	-6.96	-6.49	-6.12	-5.84	-5.65	-5.55	-5.55	-5.65	-5.84	-6.12	-6.49	-6.96	-7.52	-8.17	-8.94	-9.85	-10.9	-12.1	-13.4	-14.7	-15.8	-16.4	-16.4	-15.8	-14.7	-13.4	-12.1	-10.9	-9.85	-8.94	-8.17	-7.52	-6.96	-6.49	-6.12	-5.84
65	-9.79	-8.51	-7.52	-6.76	-6.12	-5.72	-5.49	-5.42	-5.49	-5.72	-6.12	-6.76	-7.52	-8.51	-9.79	-11.2	-12.7	-14.2	-15.6	-16.8	-17.8	-18.4	-18.6	-18.4	-17.8	-16.8	-15.6	-14.2	-12.7	-11.2	-9.79	-8.51	-7.52	-6.76	-6.12	-5.72	-5.49
60	-10.4	-8.94	-7.66	-6.59	-5.79	-5.23	-4.94	-4.89	-5.07	-5.47	-6.06	-6.79	-7.66	-8.67	-9.80	-11.0	-12.3	-13.6	-14.8	-15.9	-16.8	-17.4	-17.7	-17.7	-17.4	-16.8	-15.9	-14.8	-13.6	-12.3	-11.0	-9.80	-8.67	-7.66	-6.79	-6.06	-5.47
55	-10.9	-9.11	-7.1	-5.69	-4.62	-3.79	-3.3	-3.1	-3.27	-3.84	-4.79	-6.07	-7.66	-9.47	-11.4	-13.4	-15.4	-17.3	-19.1	-20.6	-21.8	-22.6	-23.0	-23.0	-22.6	-21.8	-20.6	-19.1	-17.3	-15.4	-13.4	-11.4	-9.47	-7.66	-6.07	-4.79	-3.84
50	-11.3	-9.26	-7.3	-5.7	-4.37	-3.43	-2.9	-2.73	-2.9	-3.43	-4.37	-5.7	-7.3	-9.26	-11.2	-13.3	-15.4	-17.5	-19.5	-21.3	-22.8	-23.9	-24.6	-24.9	-24.6	-23.9	-22.8	-21.3	-19.5	-17.5	-15.4	-13.3	-11.2	-9.26	-7.3	-5.7	-4.37
45	-11.2	-9.26	-7.3	-5.7	-4.37	-3.43	-2.9	-2.73	-2.9	-3.43	-4.37	-5.7	-7.3	-9.26	-11.2	-13.3	-15.4	-17.5	-19.5	-21.3	-22.8	-23.9	-24.6	-24.9	-24.6	-23.9	-22.8	-21.3	-19.5	-17.5	-15.4	-13.3	-11.2	-9.26	-7.3	-5.7	-4.37
40	-10.9	-9.11	-7.1	-5.69	-4.62	-3.79	-3.3	-3.1	-3.27	-3.84	-4.79	-6.07	-7.66	-9.47	-11.4	-13.4	-15.4	-17.3	-19.1	-20.6	-21.8	-22.6	-23.0	-23.0	-22.6	-21.8	-20.6	-19.1	-17.3	-15.4	-13.4	-11.4	-9.47	-7.66	-6.07	-4.79	-3.84
35	-10.4	-8.94	-7.66	-6.59	-5.79	-5.23	-4.94	-4.89	-5.07	-5.47	-6.06	-6.79	-7.66	-8.67	-9.80	-11.0	-12.3	-13.6	-14.8	-15.9	-16.8	-17.4	-17.7	-17.7	-17.4	-16.8	-15.9	-14.8	-13.6	-12.3	-11.0	-9.80	-8.67	-7.66	-6.79	-6.06	-5.47
30	-9.79	-8.51	-7.52	-6.76	-6.12	-5.72	-5.49	-5.42	-5.49	-5.72	-6.12	-6.76	-7.52	-8.51	-9.79	-11.2	-12.7	-14.2	-15.6	-16.8	-17.8	-18.4	-18.6	-18.

DG PH - 2412 MHz

Azimuth (Phi°)

Elevation (Theta°)

DG PV - 2412 MHz

Azimuth (Phi°)

DG PH- 2437 MHz

Azimuth (Phi°)

Elevation (Theta°)

DG PV- 2437 MHz

Azimuth (Phi°)

DG PH- 2462 MHz

Azimuth (Phi°)

Elevation (Theta°)

DG PV- 2462 MHz

Azimuth (Phi°)

145	-3.937362735	-5.500898339	-7.080853456	-6.734317769	-5.265698246	-3.732083999	-2.197753472	-0.880228728	0.006933147	0.506092533	0.674299798	0.572018622	0.282581761	-0.073048811	-0.3286124	-0.347973446	-0.077863367	0.689021111
150	-3.578118121	-4.803285365	-5.771297416	-6.025164007	-5.324694517	-3.748992907	-1.964587843	-0.663346209	0.211248166	0.713103817	0.881022515	0.770106885	0.430400828	-0.03366082	-0.471396109	-0.707636604	-0.618440002	-0.121703805
155	-2.677226219	-3.634887783	-4.651678637	-5.388185017	-5.005975243	-3.312237557	-1.783685552	-0.614783824	0.188526751	0.668336865	0.834305057	0.727719663	0.373303541	-0.153541341	-0.723458593	-1.192220622	-1.420861552	-1.219820984
160	-2.435557292	-3.313196328	-4.325624178	-5.101700536	-4.394006596	-2.99906097	-1.759124098	-0.794332586	-0.11523427	0.298646675	0.441188554	0.331556536	-0.007636564	-0.533220453	-1.138650099	-1.701079515	-2.15213554	-2.399919105
165	-3.131839612	-3.944858906	-4.822277766	-4.775686724	-3.755902446	-2.73352291	-1.866912176	-1.186324822	-0.708768641	-0.43195898	-0.366362408	-0.504751352	-0.845146282	-1.35966648	-1.937273891	-2.446535649	-2.87081455	-3.266538441
170	-4.910839257	-5.134020225	-4.591097907	-3.888320693	-3.184855784	-2.578253774	-2.084410519	-1.721299567	-1.491384112	-1.410280947	-1.475829779	-1.702695073	-2.088094535	-2.637692433	-3.27209526	-3.697700478	-3.995112402	-4.279573404
175	-4.654298459	-4.269052971	-3.76435631	-3.276843674	-2.87527937	-2.562047144	-2.348817499	-2.225449586	-2.200997117	-2.275073031	-2.457753624	-2.750232493	-3.156377391	-3.689403247	-4.348041451	-5.074973238	-5.563066771	-5.897695597
180	-4.013212819	-3.698306522	-3.313964249	-3.005480485	-2.773765546	-2.610210533	-2.514326494	-2.488520458	-2.524600437	-2.630427114	-2.800320753	-3.043136493	-3.359877835	-3.756648546	-4.240115932	-4.818620818	-5.504398407	-6.305212716

145	1.971641343	3.099571841	3.991081289	4.632542368	5.022604145	5.175531588	5.094002995	4.796602444	4.303163668	3.646115532	2.879523253	2.094247218	1.400904848	0.955039412	0.800808535	0.794891871	0.782640699	0.702801263
150	0.827300893	1.951966092	2.928320373	3.660501861	4.141026234	4.380519241	4.394591254	4.19697937	3.815753492	3.283698481	2.655359103	2.011745127	1.472468723	1.140229063	1.009479053	0.990800738	0.995009934	0.961625503
155	-0.51542567	0.499758371	1.508825614	2.326313399	2.912761762	3.269243976	3.409121119	3.351866475	3.130007143	2.771511901	2.328748203	1.878646596	1.486350373	1.218493474	1.073476457	1.013361542	0.989568171	0.947926516
160	-2.114368487	-1.226197176	-0.199298248	0.703461779	1.399789929	1.889268528	2.175376389	2.284738951	2.244001871	2.084770794	1.842432399	1.567526889	1.302043252	1.073093881	0.903694808	0.77998528	0.677425146	0.56565132
165	-3.526576282	-3.214883815	-2.191237529	-1.185789098	-0.373730657	0.245456652	0.682243959	0.959518529	1.094419368	1.119266136	1.052138176	0.920608548	0.756502074	0.578236888	0.395813568	0.217714176	0.027706393	-0.175285747
170	-4.514986995	-4.67421394	-4.530609222	-3.439818535	-2.501505801	-1.757792711	-1.187171373	-0.764382874	-0.474314415	-0.298491346	-0.215702001	-0.217658693	-0.28118289	-0.402018419	-0.568443884	-0.765176556	-0.998840758	-1.269200473
175	-5.986413455	-5.930764936	-5.891549844	-5.922998415	-5.254478555	-4.383199299	-3.683754809	-3.120574707	-2.690611431	-2.367069602	-2.138432032	-1.998103455	-1.938696672	-1.954690316	-2.031721089	-2.175571889	-2.380970671	-2.640903893
180	-7.04321331	-7.131914165	-7.111816118	-7.104131829	-7.078124484	-7.059563543	-7.062174027	-6.518497304	-5.889738848	-5.3575184	-4.915352616	-4.559396173	-4.277034982	-4.068282704	-3.928139701	-3.854390156	-3.845646509	-3.903871453

145	1.912252549	1.318777782	0.61869	-0.11706415	-0.5215152	-0.54799093	-0.55021611	-0.48341841	0.016506754	0.678495904	1.306592587	1.845282001	2.272638595	2.576160421	2.743882913	2.769233685	2.642374754	2.354081049
150	1.41539177	0.863285177	0.265422867	-0.33976236	-0.71514721	-0.69080563	-0.59673757	-0.3847334	0.217422331	0.846049797	1.421452126	1.928285655	2.345986507	2.665427298	2.87328137	2.952059215	2.899953963	2.694394022
155	1.165511246	0.696819992	0.195740552	-0.30930724	-0.6888038	-0.68659621	-0.5379111	-0.12530239	0.473045668	1.057873227	1.589366268	2.052991974	2.442541423	2.736914906	2.933350962	3.015679368	2.971385896	2.797509393
160	1.060114519	0.637028358	0.187104386	-0.28353059	-0.62531442	-0.55716275	-0.30056677	0.141603304	0.663133164	1.163314774	1.615242931	2.003274437	2.319824806	2.552135235	2.696601024	2.736685501	2.667704731	2.486070164
165	0.829208617	0.419001338	-0.01749259	-0.44853554	-0.53535734	-0.37067749	-0.11196897	0.245913678	0.641719033	1.020569696	1.360271002	1.638664683	1.853571001	1.997376048	2.059096178	2.034230761	1.915119255	1.703993029
170	0.297190813	-0.11761476	-0.55838843	-0.63374679	-0.49456	-0.33305369	-0.12481646	0.121736188	0.385191912	0.630092868	0.837897747	0.996180438	1.095449337	1.133039382	1.102525306	1.00188018	0.824368271	0.573014068
175	-0.59451485	-0.9920195	-0.95565339	-0.8026239	-0.65852105	-0.50863106	-0.34194787	-0.16477921	0.001475366	0.144771964	0.250650699	0.313995087	0.332162331	0.297737913	0.210718914	0.067426389	-0.1303897	-0.38156839
180	-1.72043826	-1.57506696	-1.36799571	-1.16449911	-0.95259367	-0.74578868	-0.55504805	-0.39082174	-0.25796618	-0.15491234	-0.08372141	-0.04641849	-0.03876139	-0.06521393	-0.12338467	-0.2155841	-0.33854794	-0.49733808

145	1.898097464	1.304665531	0.829151876	1.034736872	1.533095632	2.162750445	2.841335237	3.470615029	3.991327913	4.377893435	4.619992436	4.727203541	4.712884996	4.588290577	4.382469866	4.113360274	3.807753347	3.500325951
150	2.340484057	1.845006074	1.263034998	1.011293258	1.299755965	1.773305453	2.317258156	2.84962537	3.308329566	3.662759411	3.917658496	4.073104194	4.144077079	4.141022717	4.087961616	3.998900876	3.88414974	3.770346584
155	2.492166021	2.050265739	1.512090007	1.032767206	0.981258873	1.260750161	1.665226223	2.098444699	2.49419446	2.826749715	3.097440591	3.299840053	3.445350424	3.547385145	3.615319262	3.649869234	3.665071497	3.667340266
160	2.189214799	1.777392899	1.275372022	0.780144455	0.522419103	0.61428355	0.889272692	1.224819102	1.558259566	1.860791699	2.127676047	2.355129226	2.551582724	2.712027373	2.853714376	2.96706601	3.058774334	3.128983788
165	1.3924274	0.988133173	0.51515768	0.046543827	-0.25800134	-0.25764849	-0.05625984	0.216984827	0.500196709	0.767026955	1.011417908	1.228324385	1.418213695	1.589578905	1.746903989	1.892462821	2.031550633	2.153367336
170	0.244995444	-0.14491063	-0.57025235	-0.9543052	-1.20329788	-1.21127923	-1.02060372	-0.77115012	-0.52328474	-0.29630348	-0.09877779	0.063777846	0.193539769	0.291108339	0.362851145	0.447385877	0.59445088	0.774231905
175	-0.68095415	-0.99545818	-1.18083696	-1.22830073	-1.26382466	-1.31547731	-1.38733131	-1.36876404	-1.17587499	-1.01272941	-0.88843153	-0.80128586	-0.750126	-0.74420083	-0.77869877	-0.8611885	-0.98568563	-0.92258076
180	-0.67813989	-0.55599324	-0.36169042	-0.20116771	-0.07493745	0.016915904	0.076029405	0.099926565	0.092035792	0.051311085	-0.02227832	-0.13197456	-0.27270053	-0.44916876	-0.6592135	-0.90321066	-1.18286244	-1.4905373

EH - 5180 MHz

Azimuth (Phi°) — Elevation (Theta°)

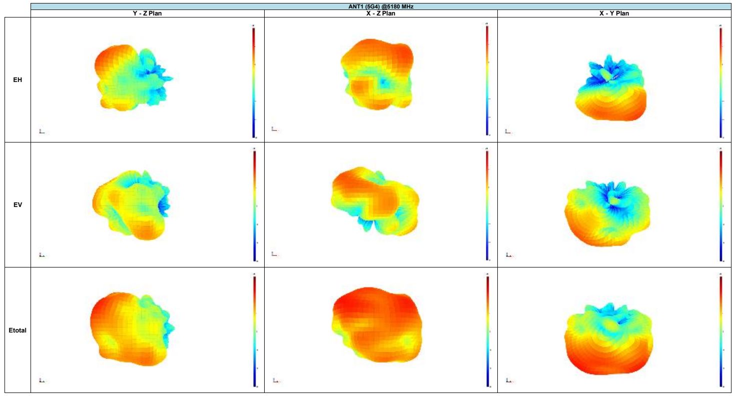
Elevation (Theta°)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
-180	-24.66	-24.03	-23.46	-22.95	-22.51	-22.12	-21.8	-21.54	-21.33	-21.2	-21.1	-21.1	-21.1	-21.1	-21.3	-21.43	-21.66	-21.96	-22.31	-22.72	-23.2	-23.74	-24.34	-24.99	-25.69	-26.41	-27.1	-27.7	-28.2	-28.4	-28.33	-27.99	-27.44	-26.77	-26.05	-25.34
-175	-23.21	-21.14	-19.46	-18.06	-16.87	-15.87	-15.01	-14.28	-13.66	-13.2	-12.8	-12.5	-12.3	-12.2	-12.2	-12.3	-12.55	-12.93	-13.44	-14.09	-14.9	-15.89	-17.09	-18.54	-20.29	-22.4	-24.8	-27	-27.5	-26.04	-24.02	-22.27	-20.94	-19.98	-19.37	-19.08
-170	-18.55	-16.84	-15.56	-14.55	-13.69	-12.9	-12.13	-11.36	-10.6	-9.89	-9.25	-8.72	-8.31	-8.04	-7.93	-7.97	-8.18	-8.55	-9.09	-9.81	-10.71	-11.8	-13.11	-14.69	-16.6	-19.01	-22.3	-27.6	-41.5	-30.69	-23.99	-20.37	-18	-16.39	-15.33	-14.74
-165	-17.38	-16.13	-15.36	-14.83	-14.3	-13.57	-12.56	-11.36	-10.1	-8.9	-7.84	-6.95	-6.25	-5.77	-5.49	-5.42	-5.57	-5.92	-6.48	-7.25	-8.23	-9.44	-10.88	-12.57	-14.51	-16.69	-19.1	-21.5	-23.1	-22.51	-20.3	-17.95	-16.01	-14.6	-13.7	-13.29
-160	-17.83	-17.18	-16.71	-16.18	-15.33	-14.08	-12.56	-10.97	-9.47	-8.11	-6.94	-5.98	-5.23	-4.69	-4.38	-4.27	-4.36	-4.66	-5.14	-5.83	-6.75	-7.94	-9.46	-11.37	-13.71	-16.33	-18.7	-19.6	-19.2	-18.15	-16.96	-15.77	-14.77	-14.15	-14.06	-14.61
-155	-14.47	-14.44	-14.1	-13.56	-12.85	-11.93	-10.82	-9.57	-8.31	-7.15	-6.14	-5.34	-4.75	-4.36	-4.16	-4.09	-4.14	-4.27	-4.5	-4.85	-5.39	-6.21	-7.42	-9.14	-11.48	-14.45	-17.4	-18.4	-17.6	-16.63	-16.09	-15.73	-15.45	-15.52	-16.41	-18.83
-150	-11.59	-11.81	-11.74	-11.61	-11.53	-11.33	-10.7	-9.53	-8.11	-6.76	-5.67	-4.91	-4.46	-4.27	-4.24	-4.29	-4.33	-4.31	-4.28	-4.28	-4.44	-4.84	-5.61	-6.82	-8.53	-10.58	-12.3	-12.8	-12.4	-12.23	-12.71	-13.85	-15.31	-16.61	-18.04	-20.91
-145	-10.68	-10.96	-11.04	-11.28	-11.86	-12.32	-11.61	-9.68	-7.59	-5.91	-4.76	-4.09	-3.8	-3.77	-3.88	-4	-4.07	-4.08	-4.07	-4.1	-4.22	-4.5	-4.98	-5.7	-6.54	-7.21	-7.33	-6.9	-6.38	-6.2	-6.63	-7.77	-9.56	-11.57	-13.02	-13.82
-140	-11.14	-11.26	-11.37	-11.93	-12.9	-12.93	-10.79	-8.05	-5.88	-4.41	-3.54	-3.11	-2.95	-2.9	-2.82	-2.66	-2.46	-2.3	-2.27	-2.44	-2.89	-3.6	-4.46	-5.17	-5.28	-4.68	-3.73	-2.86	-2.3	-2.14	-2.48	-3.4	-4.92	-6.79	-8.21	-8.63
-135	-12.51	-12.58	-12.9	-13.62	-13.73	-11.74	-8.86	-6.48	-4.84	-3.84	-3.29	-2.99	-2.71	-2.33	-1.81	-1.23	-0.65	-0.15	0.15	0.15	-0.27	-1.21	-2.62	-3.99	-4.2	-3.03	-1.62	-0.62	-0.13	-0.05	-0.33	-1.05	-2.31	-3.97	-5.37	-5.79
-130	-13.99	-14.43	-14.86	-14.41	-12.47	-9.97	-7.8	-6.25	-5.26	-4.66	-4.2	-3.67	-2.97	-2.16	-1.33	-0.52	0.26	0.97	1.51	1.75	1.55	0.79	-0.59	-2.25	-3.07	-2.21	-0.82	0.12	0.48	0.47	0.25	-0.22	-1.18	-2.65	-4.09	-4.65
-125	-12.83	-12.73	-12.21	-11.09	-9.67	-8.34	-7.28	-6.52	-5.97	-5.44	-4.75	-3.86	-2.89	-1.99	-1.19	-0.44	0.29	1	1.61	1.99	1.99	1.48	0.41	-1.07	-2.2	-2.04	-1.06	-0.3	-0.1	-0.22	-0.33	-0.51	-1.12	-2.35	-3.83	-4.66
-120	-10.54	-10.14	-9.58	-8.84	-8.04	-7.25	-6.5	-5.81	-5.18	-4.54	-3.82	-3.02	-2.24	-1.55	-0.99	-0.53	-0.11	0.3	0.69	0.98	1.04	0.74	0.05	-0.96	-1.92	-2.27	-1.91	-1.5	-1.5	-1.76	-1.81	-1.64	-1.82	-2.75	-4.23	-5.44
-115	-10.07	-10.03	-9.81	-9.29	-8.45	-7.31	-6.05	-4.94	-4.11	-3.52	-2.97	-2.3	-1.55	-0.89	-0.46	-0.33	-0.44	-0.66	-0.87	-1.02	-1.17	-1.38	-1.63	-1.91	-2.26	-2.61	-2.81	-2.87	-3.12	-3.59	-3.75	-3.36	-3.11	-3.62	-4.91	-6.35
-110	-11.93	-12.61	-12.85	-12.29	-10.85	-8.78	-6.7	-5.11	-4.16	-3.67	-3.19	-2.32	-1.15	-0.13	0.41	0.36	-0.25	-1.23	-2.37	-3.45	-4.22	-4.74	-4.43	-3.65	-3.05	-2.98	-3.29	-3.65	-4.06	-4.64	-5.05	-4.81	-4.36	-4.45	-5.26	-6.36
-105	-16.68	-18.12	-18.2	-16.84	-14.42	-11.37	-8.5	-6.42	-5.27	-4.77	-4.19	-2.83	-1	0.51	1.29	1.25	0.43	-1.04	-2.97	-5.2	-7.52	-8.85	-7.66	-5.47	-3.94	-3.34	-3.4	-3.7	-4.06	-4.56	-5.04	-5.07	-4.8	-4.78	-5.19	-5.67
-100	-22.86	-22.04	-21.25	-18.61	-15.84	-13.37	-10.68	-8.28	-6.71	-5.87	-4.99	-3.29	-1.11	0.69	1.69	1.79	1.05	-0.47	-2.69	-5.68	-9.53	-11.88	-8.96	-5.83	-4.01	-3.25	-3.14	-3.37	-3.82	-4.45	-4.99	-5.09	-4.93	-4.96	-5.16	-5.19
-95	-18.26	-17.86	-17.89	-15.07	-12.66	-11.86	-11.44	-9.87	-7.79	-6.17	-4.87	-3.37	-1.57	0.07	1.14	1.43	0.92	-0.38	-2.49	-5.61	-9.7	-10.57	-6.98	-4.26	-2.83	-2.32	-2.41	-2.94	-3.88	-5.05	-5.86	-5.82	-5.46	-5.36	-5.46	-5.43
-90	-16.41	-16.24	-14.49	-11.18	-9.19	-9.04	-10.27	-10.72	-8.52	-6.03	-4.33	-3.24	-2.38	-1.53	-0.77	-0.38	-0.59	-1.49	-3.18	-5.69	-7.95	-6.87	-4.14	-2.21	-1.28	-1.12	-1.57	-2.58	-4.19	-6.04	-6.94	-6.48	-5.9	-5.86	-6.22	-6.6
-85	-19.09	-17.1	-12.62	-9.07	-7.28	-7.16	-8.53	-10.16	-8.87	-6.02	-3.97	-2.97	-2.86	-3.29	-3.75	-3.85	-3.8	-4.03	-4.72	-5.56	-5.43	-3.75	-1.77	-0.43	0.11	-0.04	-0.78	-2.11	-4.03	-5.91	-6.42	-5.87	-5.66	-6.22	-7.38	-8.64
-80	-26.79	-17.46	-11.95	-8.64	-6.88	-6.37	-6.89	-7.79	-7.43	-5.41	-3.39	-2.22	-2.04	-2.83	-4.35	-5.94	-6.65	-6.33	-5.59	-4.69	-3.38	-1.67	-0.06	1	1.35	1.04	0.19	-1.15	-2.87	-4.44	-5.03	-5	-5.58	-6.6	-8.8	-11.02
-75	-18.06	-14.82	-11.75	-9.38	-7.65	-6.39	-5.56	-5.03	-4.45	-3.42	-2.12	-1.1	-0.71	-1.08	-2.12	-3.51	-4.66	-4.91	-4.27	-3.15	-1.76	-0.21	1.2	2.14	2.46	2.16	1.35	0.16	-1.31	-2.83	-4.03	-4.8	-5.72	-7.42	-9.98	-12.22
-70	-15.5	-13.9	-12.43	-11	-9.14	-6.77	-4.56	-2.97	-2	-1.34	-0.73	-0.14	0.22	0.16	-0.32	-1.08	-1.8	-2.13	-1.91	-1.23	-0.22	0.98	2.14	2.96	3.29	3.07	2.41	1.41	0.11	-1.49	-3.28	-4.9	-6.25	-7.73	-9.42	-10.46
-65	-19.5	-17.31	-15.62	-13.59	-10.44	-6.88	-3.94	-1.91	-0.72	-0.11	0.22	0.49	0.73	0.85	0.75	0.48	0.2	0.07	0.19	0.55	1.13	1.89	2.72	3.4	3.73	3.65	3.17	2.37	1.23	-0.35	-2.34	-4.36	-5.78	-6.68	-7.52	-8.24
-60	-27.58	-33.84	-25.31	-16.05	-10.52	-6.61	-3.75	-1.76	-0.48	0.25	0.63	0.87	1.08	1.25	1.35	1.36	1.36	1.4	1.53	1.73	2.02	2.45	3.02	3.56	3.89	3.9	3.6	2.98	2.03	0.67	-1.03	-2.74	-4.01	-4.94	-6	-7.28
-55	-14.92	-17.18	-21.25	-15.72	-10.02	-6.41	-3.95	-2.2	-0.93	-0.02	0.61	1.05	1.36	1.58	1.72	1.81	1.91	2.03	2.17	2.3	2.47	2.73	3.1	3.47	3.73	3.77	3.6	3.18	2.52	1.58	0.44	-0.76	-1.96	-3.32	-5.12	-7.37
-50	-12.03	-13.5	-17.04	-15.72	-10.36	-6.76	-4.45	-2.84	-1.6	-0.56	0.34	1.07	1.63	2.01	2.23	2.36	2.42	2.48	2.52	2.57	2.64	2.74	2.88	3.01	3.09	3.11	3.06	2.93	2.65	2.21	1.58	0.72	-0.5	-2.24	-4.7	-7.89
-45	-12.32	-13.48	-17.64	-18.84	-11.96	-7.66	-5.04	-3.31	-2.04	-0.94	0.08	1.03	1.83	2.43	2.82	3.01	3.04	2.95	2.82	2.67	2.54	2.42	2.28	2.12	2	2	2.13	2.3	2.41	2.35	2.04	1.34	0.09	-1.89	-4.81	-8.55
-40	-13.99	-14.8	-19.46	-28.6	-14.56	-8.99	-5.79	-3.73	-2.29	-1.15	-0.13	0.83	1.69	2.39	2.88	3.12	3.16	3.02	2.77	2.47	2.15	1.8	1.42	1.05	0.8	0.8	1.04	1.41	1.73	1.88	1.71	1.07	-0.22	-2.35	-5.52	-9.41
-35	-15.32	-15.72	-18.75	-28.19	-18	-11.15	-7.26	-4.73	-2.97	-1.66	-0.61	0.28	1.06	1.7	2.16	2.42	2.49	2.4	2.17	1.84	1.44	0.96	0.45	-0.04	-0.37	-0.42	-0.21	0.16	0.52	0.7	0.55	-0.1	-1.44	-3.67	-6.94	-10.43
-30	-15.3	-16	-17.94	-22.36	-21.22	-14.19	-9.65	-6.61	-4.45	-2.87	-1.68	-0.76	-0.03	0.52	0.92	1.16	1.24	1.17	0.96	0.62	0.16	-0.39	-0.98	-1.53	-1.91	-2.03	-1.9	-1.62	-1.36	-1.28	-1.54	-2.3	-3.74	-6	-9	-11.14
-25	-14.69	-16.14	-18.73	-23.95	-25.84	-17.41	-12.31	-8.93	-6.51	-4.72	-3.37	-2.36	-1.62	-1.09	-0.75	-0.58	-0.57	-0.72	-1.02	-1.46	-2.01	-2.63	-3.24	-3.75	-4.08	-4.21	-4.17	-4.08	-4.06	-4.25	-4.76	-5.71	-7.18	-9.05	-10.66	-10.9
-20	-15.59	-16.99	-19.91	-26.62	-32.27	-19.88	-14.55	-11.15	-8.72	-6.92	-5.55	-4.54	-3.8	-3.31	-3.03	-2.94	-3.03	-3.28	-3.66	-4.15	-4.71	-5.27	-5.78	-6.2	-6.53	-6.78	-7.02	-7.29	-7.65	-8.14	-8.76	-9.45	-10.06	-10.38	-10.3	-10.03
-15	-20.93	-21.96	-24.28	-27.39	-25.05	-19.93	-16.04	-13.2	-11.05	-9.4	-8.14	-7.19	-6.51	-6.05	-5.8	-5.72	-5.8	-6.02	-6.34	-6.75	-7.2	-7.69	-8.18	-8.67	-9.13	-9.54	-9.87	-10.1	-10.1	-9.97	-9.71	-9.39	-9.1	-8.92	-8.92	-9.19
-10	-16.97	-18.37	-19.26	-19.4	-18.72	-17.49	-16.03	-14.59	-13.29	-12.2	-11.2	-10.5	-9.96	-9.57	-9.34	-9.25	-9.28	-9.41	-9.62	-9.86	-10.1	-10.28	-10.35	-10.27	-10.03	-9.64	-9.16	-8.64	-8.14	-7.71	-7.39	-7.21	-7.19	-7.36	-7.74	-8.36
-5	-10.65	-11.55	-12.42	-13.21	-13.85	-14.31	-14.56	-14.6	-14.46	-14.2	-13.8	-13.4	-13	-12.6	-12.1	-11.63	-11.14	-10.63	-10.1	-9.56	-9.02	-8.48	-7.95	-7.46	-7.01	-6.61	-6.28	-6.02	-5.85	-5.76	-5.77	-5.89	-6.12	-6.48	-6.97	-7.61
0	-8.43	-9.24	-10.14	-11.1	-12.08	-12.98	-13.67	-13.96	-13.76	-13.1	-12.3	-11.3	-10.3	-9.41	-8.58	-7.84	-7.16	-6.62	-6.13	-5.72	-5.37	-5.1	-4.88	-4.73	-4.63	-4.6	-4.62	-4.7	-4.85	-5.05	-5.32	-5.65	-6.05	-6.52	-7.08	-7.71
5	-8.4	-9.36	-10.45	-11.64	-12.78	-13.59	-13.76	-13.22	-12.22	-11.1	-9.9	-8.86	-7.94	-7.14	-6.44	-5.84	-5.33	-4.9	-4.53	-4.24	-4.02	-3.87	-3.79	-3.79	-3.85	-4	-4.22	-4.53	-4.92	-5.38	-5.93	-6.55	-7.26	-8.03	-8.86	-9.74
10	-9.25	-10.46	-11.99	-13.76	-15.38	-15.96	-15.06	-13.44	-11.85	-10.5	-9.47	-8.64	-7.98	-7.44	-6.97	-6.54	-6.11	-5.69	-5.28	-4.89	-4.56	-4.3	-4.12	-4.06	-4.12	-4.31	-4.66	-5.16	-5.83	-6.68	-7.72	-8.94	-10.34	-11.9	-13.58	-15.31
15	-9.79	-10.85	-12.49	-14.95	-18.43	-21.52	-19.51	-16	-13.47	-11.8	-10.7	-10.1	-9.7	-9.49	-9.32	-9.06	-8.63	-8.05	-7.36	-6.66	-6.02	-5.5	-5.13	-4.96	-4.99	-5.24	-5.74	-6.52	-7.61	-9.06	-10.92	-13.22	-15.87	-18.47	-20.12	-20.61
20	-9.89	-10.16	-11.07	-12.9	-16.2	-22.84	-35.75	-20.38	-15.68	-13.3	-12	-11.5	-11.5	-11.7	-12.1	-12.26	-11.97	-11.17	-10.05	-8.86	-7.8	-6.96	-6.4	-6.12	-6.16	-6.54	-7.27	-8.43	-10.1	-12.31	-15.01	-17.34	-17.67	-16.52	-15.5	-15.16
25	-10.05	-9.34	-9.37	-10.37	-12.63	-16.88	-25.56	-22.52	-16.2	-13.2	-11.7	-11.2	-11.5	-12.3	-13.16	-14.99	-15.76	-15.12	-13.44	-11.55	-9.87	-8.56	-7.67	-7.21	-7.2	-7.65	-8.58	-10.1	-12.1	-14.4	-15.85	-15.39	-14.23	-13.5	-13.39	-13.82
30	-10.33	-8.76	-8.08	-8.52	-10.19	-13.5	-20.09	-26.41	-17.03	-13	-11	-10.2	-10.4	-11.4	-13.5	-16.84	-21.33	-21.71	-17.81	-14.69	-12.38	-10.61	-9.32	-8.56	-8.33	-8.61	-9.22	-10.4	-11.8	-12.76	-12.95	-12.59	-12.42	-12.84	-13.77	-14.72
35	-10.53	-8.52	-7.36	-7.41	-8.67	-11.43	-16.89	-39.13	-19.04	-13.5	-11	-10	-10	-11	-13.2	-17.44	-28.51	-24.26	-17.24	-14.56	-13.42	-12.75	-12.03	-11.27	-10.69	-10.33	-10.1	-9.86	-9.75	-9.78	-10.02	-10.59	-11.73	-13.53	-15.42	-15.89
40	-10.67	-8.66	-7.13	-6.83	-7.77	-10.1	-14.38	-20.3	-17.63	-13.7	-11.9	-11.3	-11.4	-12	-13.6	-17.22	-24.59	-19.31	-13.84	-11.49	-10.96	-11.69	-13.16	-14.55	-14.73	-13.39	-11.4	-9.62	-8.46	-8.05	-8.44	-9.76	-12.26	-15.99	-17.81	-15.47
45	-10.65	-8.87	-6.96	-6.82	-8.61	-11.34	-13.24	-12.65	-11.8	-12.2	-13.7	-15.1	-14.5	-13.8	-15.13	-19.93	-20.59	-14.04	-10.96	-10.05	-10.62	-12.32	-14.89	-17.55	-17.34	-14.1	-11	-9.1	-8.34	-8.79	-10.68	-14.75	-21.69	-17.94	-13.6	[illegible]
50	-10.09	-8.73	-6.65	-5.67	-5.93	-7.35	-9.44	-10.7	-10.36	-10.1	-11.3	-14.7	-20.2	-16.2	-12.5	-11.78	-13.61	-16.35	-16.46	-12.16	-11.5	-12.36	-14.05	-15.76	-17.26	-18.6	-17.6	-14.5	-12	-10.89	-11.4	-13.92	-20.24	-25.32	-16.16	-12.76
55	-9.02	-8.4	-6.8	-5.87	-6.08	-7.54	-10.17	-12.47	-11.86	-10.6	-10.9	-13.6	-19.5	-18.1	-12.9	-10.86	-11.13	-12.03	-11.51	-10.7	-11.35	-14.09	-18.73	-20.02	-18.23	-18.44	-19.7	-18.5	-16	-15.2	-16.46	-20.55	-29.31	-22.49	-17.26	-15.06
60	-8.32	-8.61	-8.29	-8.03	-8.48	-10.35	-14.82	-21.52	-14.96	-11.1	-10.2	-11.8	-16.9	-33.1	-16.7	-12.91	-12.29	-12.12	-10.6	-9.35	-9.79	-12.56	-18.94	-25.17	-20.15	-20.28	-24.7	-22.7	-18.4	-17.81	-20.97	-32.52	-27.6	-22.73	-23.1	-25.55
65	-8.86	-9.95	-11.99	-14.67	-16.94	-20.32	-37.2	-18.1	-11.85	-9.35	-9.13	-11.1	-16.1	-24.4	-17.2	-14.35	-15.09	-16.42	-13.45	-10.88	-10.75	-13.42	-20.49	-23.32	-18.06	-18.47	-24.8	-24.5	-17.9	-16.59	-19.11	-28.21	-29.01	-22.55	-21.88	-21.65
70	-10.74	-11.68	-14.18	-17.16	-16.71	-15.54	-15.18	-13.2	-10.45	-9.09	-9.75	-13.1	-22.8	-21.2	-14.5	-13.32	-15.93	-26.33	-21.06	-15.3	-14.95	-19.31	-34.94	-18.78	-15.41	-16.02	-19	-18.1	-14.9	-14.15	-16.1	-22.03	-47.44	-23.56	-19.43	-17.25
75	-12.34	-11.32	-10.14	-8.97	-8.31	-8.71	-10.34	-12.06	-11.64	-10.7	-11.2	-13.7	-16.9	-16.2	-14.9	-15.63	-18.21	-18.16	-15.66	-15.36	-18.92	-34.77	-19.27	-14.84	-14.68	-18.13	-21.7	-15.9	-12.8	-12.51	-14.55	-19.37	-30.14	-30.67	-23.84	-20.29
80	-11.52	-9.91	-7.89	-6.48	-6.07	-6.87	-8.94	-13.53	-12.27	-11.3	-11.6	-14.3	-16.2	-14.9	-15.3	-21.39	-16.4	-11.05	-9.49	-10.66	-15.33	-22.91	-15.47	-12.85	-14.23	-20.69	-20.6	-13.9	-11.8	-12.4	-15.3	-20.99	-30.14	-39.39	-38.61	-38.35
85	-9.23	-8.61	-7.32	-6.27	-6.06	-6.82	-8.26	-9.53	-10.22	-10.7	-10.5	-9.42	-8.78	-9.84	-14.2	-26.08	-13.34	-8.69	-7.48	-8.82	-13.34	-20.83	-15.19	-12.51	-12.87	-13.45	-11.9	-10.5	-10.9	-13.5	-19.09	-30.59	-34.94	-34.56	-25.01	-20.38
90	-6.84	-6.97	-6.96	-6.81	-6.76	-6.91	-7.02	-7.18	-8.05	-10.2	-12.6	-11.7	-10.1	-10.4	-13.7	-21.44	-14.87	-10.26	-9.06	-10.4	-14.6	-19.76	-15.98	-13.46	-12.13	-10.22	-8.62	-8.53	-10.5	-15.4	-22.95	-20.67	-20.09	-25.66	-27.02	-18.8
95	-5.33	-5.59	-6.32	-7.07	-7.23	-6.78	-6.25	-6.29	-7.49	-10.5	-15.8	-16	-12.5	-11.8	-13.9	-19.76	-21.94	-16.47	-14.78	-15.44	-17.08	-17.33	-16.35	-15.44	-13.04	-9.91	-8.17	-8.43	-11	-15.92	-17.13	-14.92	-15.27	-18.84	-27.61	-22.6
100	-5.1	-5.34	-6.21	-7.26	-7.5	-6.88	-6.44	-6.93	-8.84	-13	-20.9	-17.8	-13.5	-12.6	-17.8	-19.15	-29.49	-27.9	-22.45	-18.92	-16.63	-15.72	-16.32	-18.02	-15.93	-11.61	-9.33	-9.28	-11.1	-13.27	-13.25	-12.88	-13.77	-15.82	-18.86	-22.33
105	-5.94	-6.27	-7.07	-8.09	-8.34	-7.78	-7.63	-8.77	-11.92	-19	-21.4	-14.4	-12	-12.3	-15.4	-23.13	-33.5	-23.83	-23.44	-23.24	-20.15	-17.74	-17.44	-20.15	-20.6	-14.35	-11	-10.1	-10.7	-11.36	-11.85	-12.85	-14.1	-14.33	-14.2	-15.01
110	-7.09	-7.51	-8.24	-9.34	-9.92	-9.59	-9.61	-11.16	-15.39	-21.3	-15	-11.1	-9.97	-11.3	-15.9	-28.89	-19.2	-15.36	-15.65	-19.42	-29.33	-23.04	-19.33	-20.93	-23.85	-16.81	-12.8	-11.3	-11	-11.29	-12.16	-14.01	-15.18	-13.52	-11.86	-11.44
115	-7.12	-7.48	-8.31	-9.81	-11.11	-11.11	-10.82	-11.7	-14.26	-15.9	-12.6	-9.73	-8.87	-10.1	-13.7	-17.76	-14.64	-12.1	-11.91	-13.63	-16.34	-17.32	-17.02	-18.59	-21.33	-18.08	-14.6	-13.1	-12.6	-12.65	-13.72	-16.13	-16.88	-13.81	-11.39	-10.33
120	-5.84	-6.16	-7.18	-8.98	-10.78	-10.97	-10.09	-9.82	-10.78	-12.6	-12.8	-10.9	-9.6	-9.53	-10.4	-11.19	-11.25	-12.44	-12.91	-16.91	-16.94	-15.85	-15.18	-16.17	-17.61	-16.68	-15.1	-14.8	-13.9	-15.14	-16.82	-20.31	-20	-15.35	-12.5	-11.53
125	-4.77	-5.06	-6.11	-7.87	-9.66	-9.92	-8.76	-7.84	-8.01	-9.58	-12.6	-15.3	-13.5	-10.7	-9	-8.28	-8.53	-9.99	-13.31	-20.73	-27.36	-18.33	-16.35	-16.73	-16.4	-14.53	-13.3	-13.5	-14.8	-17.17	-21.45	-30.1	-22.38	-16.79	-14.19	-13.11
130	-4.61	-4.86	-5.79	-7.31	-8.89	-9.32	-8.23	-7.01	-6.65	-7.52	-9.9	-15.2	-24.6	-15.6	-10.8	-8.56	-7.75	-8	-9.01	-10.31	-11.45	-12.83	-15.69	-20.85	-18.6	-14.01	-12.2	-12.7	-15.4	-22.9	-28.69	-27.34	-18.98	-15.72	-14.3	-13.87
135	-5.7	-5.9	-6.62	-7.73	-8.94	-9.54	-8.87	-7.65	-6.89	-7.02	-8.25	-10.9	-16	-27.7	-17.8	-9	-7.73	-8	-9.01	-14.5	-9.33	-13.27	-23.5	-22.06	-14.57	-12.6	-13.3	-16.7	-25.05	-23.6	-16.71	-13.76	-12.51	-12.21	-12.24	[illegible]
140	-8.66	-8.89	-9.25	-9.59	-9.97	-10.25	-9.94	-8.97	-7.98	-7.49	-7.7	-8.69	-10.6	-15.2	-13.3	-15.5	-13.8	-10.77	-8.61	-7.45	-7.27	-8.15	-10.47	-15.33	-26.79	-18.7	-14.09	-13.2	-14.6	-17.4	-16.82	-13.29	-10.93	-9.83	-9.64	-10.03
145	-14.49	-14.54	-13.28	-11.66	-10.61	-10.18	-9.94	-9.43	-8.65	-7.95	-7.6	-7.65	-8.03	-8.55	-8.96	-9.05	-8.63	-8.6	-8.71	-9.5	-11.4	-15.31	-24.78	-23.09	-15.82	-13.38	-13.1	-13.8	-13.7	-11.7	-9.58	-8.46	-8.09	-8.38	-9.12	-10
150	-25.96	-20.9	-15.18	-11.98	-10.28	-9.52	-9.27	-9.13	-8.84	-8.39	-7.95	-7.59	-7.32	-7.09	-6.89	-6.79	-6.86	-7.23	-8.01	-9.34	-11.38	-14.14	-16.61	-16.48	-15.05	-14.3	-14.4	-14.3	-13	-11	-9.58	-8.79	-8.7	-9.19	-10.04	-10.94
155	-24.27	-26.48	-18.87	-14.73	-12.43	-11.14	-10.42	-9.92	-9.45	-8.96	-8.5	-8.12	-7.87	-7.72	-7.7	-7.8	-8.09	-8.62	-9.45	-10.62	-12.11	-13.78	-15.31	-16.43	-17.25	-18.08	-18.6	-17.7	-15.6	-13.66	-12.39	-11.84	-11.95	-12.53	-13.35	-14.09
160	-15.93	-18.17	-21.35	-23.78	-21.67	-18.14	-15.25	-12.98	-11.21	-9.85	-8.88	-8.26	-7.97	-7.98	-8.26	-8.8	-9.57	-10.56	-11.74	-13.12	-14.67	-16.42	-18.43	-20.86	-23.79	-26.06	-24.7	-21.8	-19.6	-18.3	-17.85	-18.09	-18.77	-19.38	-19.34	-18.65
165	-13.41	-14.09	-15.5	-17.99	-22.59	-32.79	-24.18	-17.72	-14.05	-11.6	-9.95	-8.81	-8.09	-7.72	-7.67	-7.9	-8.41	-9.19	-10.25	-11.63	-13.38	-15.57	-18.32	-21.52	-23.94	-23.51	-21.8	-20.6	-20.2	-20.88	-22.82	-26.89	-35.01	-28.85	-22.77	-19.42
170	-14.59	-14.9	-15.73	-17.21	-19.56	-22.99	-25.23	-21.9	-17.97	-15.1	-13.1	-11.6	-10.6	-9.97	-9.67	-9.67	-9.96	-10.55	-11.45	-12.7	-14.35	-16.47	-19.1	-22.06	-24.22	-24.12	-22.9	-22	-21.9	-22.68	-24.56	-28.1	-33.24	-29.83	-24.43	-20.93
175	-19.11	-19.46	-20.16	-21.25	-22.76	-24.63	-26.3	-26.41	-24.1	-22.6	-20.7	-19.2	-18.2	-17.5	-17.1	-17.04	-17.25	-17.76	-18.58	-19.76	-21.36	-23.49	-26.4	-30.56	-37.3	-43.02	-36.2	-32.8	-31.5	-31.37	-32.37	-34.29	-35.46	-32.88	-29.02	-25.77
180	-24.66	-24.03	-23.46	-22.95	-22.51	-22.12	-21.8	-21.54	-21.33	-21.2	-21.1	-21.1	-21.1	-21.1	-21.3	-21.43	-21.66	-21.96	-22.31	-22.72	-23.2	-23.74	-24.34	-24.99	-25.69	-26.41	-27.1	-27.7	-28.2	-28.4	-28.33	-27.99	-27.44	-26.77	-26.05	-25.34

EV - 5180 MHz

Azimuth (Phi°) — Elevation (Theta°)

Elevation (Theta°)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
-180	-22.3	-22.7	-23.2	-23.7	-24.3	-25	-25.7	-26.4	-27.1	-27.7	-28.2	-28.4	-28.3	-28	-27.4	-26.8	-26.1	-25.3	-24.7	-24	-23.5	-23	-22.5	-22.1	-21.8	-21.5	-21.3	-21.2	-21.1	-21.1	-21.1	-21.1	-21.3	-21.4	-21.7	-22
-175	-13.6	-13.6	-13.8	-14.1	-14.5	-15.1	-15.9	-16.8	-18.1	-19.7	-21.8	-24.9	-29.9	-43.7	-34.2	-27	-23.2	-20.7	-18.8	-17.5	-16.4	-15.6	-15	-14.6	-14.3	-14.2	-14.2	-14.3	-14.6	-15.1	-15.7	-16.6	-17.7	-19.2	-21.2	-23.9
-170	-7.34	-7.6	-7.98	-8.46	-9.05	-9.73	-10.5	-11.5	-12.6	-14.1	-16	-18.6	-22.5	-27.7	-26.2	-21.1	-17.6	-15.2	-13.5	-12.3	-11.3	-10.6	-10.1	-9.69	-9.38	-9.13	-8.92	-8.77	-8.68	-8.68	-8.81	-9.1	-9.59	-10.3	-11.4	-12.9
-165	-5.48	-5.86	-6.36	-6.96	-7.61	-8.3	-9.04	-9.87	-10.9	-12.2	-14	-16.6	-20.9	-26.5	-22.2	-17	-13.6	-11.3	-9.73	-8.58	-7.75	-7.18	-6.78	-6.51	-6.31	-6.13	-5.93	-5.7	-5.45	-5.23	-5.08	-5.06	-5.22	-5.61	-6.23	-7.11
-160	-6.49	-6.99	-7.68	-8.48	-9.29	-10	-10.6	-11.2	-11.8	-12.7	-14.2	-16.8	-21.8	-35.8	-22.5	-16.1	-12.6	-10.2	-8.56	-7.35	-6.44	-5.76	-5.27	-4.93	-4.74	-4.65	-4.63	-4.61	-4.52	-4.36	-4.16	-3.99	-3.92	-4	-4.25	-4.68
-155	-8.91	-9.91	-11.3	-12.8	-14	-14.4	-14.3	-13.8	-13.5	-13.7	-14.6	-16.5	-20.1	-28.8	-28.6	-19.6	-15.3	-12.6	-10.6	-8.97	-7.49	-6.17	-5.08	-4.26	-3.74	-3.55	-3.66	-4.01	-4.46	-4.81	-4.85	-4.51	-3.96	-3.42	-3.04	-2.86
-150	-11	-13.2	-15.7	-17.1	-16.2	-14.7	-13.5	-12.9	-12.8	-13.2	-14.4	-16.3	-19.5	-24.6	-29.2	-23.1	-19	-15.5	-12.2	-9.41	-7.08	-5.26	-3.94	-3.11	-2.74	-2.84	-3.39	-4.33	-5.35	-5.75	-5.03	-3.69	-2.45	-1.58	-1.1	[illegible]
-145	-12.9	-16.5	-18.5	-16.1	-13.7	-12.3	-11.7	-11.8	-12.6	-14.1	-16.5	-20	-24.6	-27.5	-25.9	-23.1	-19.9	-16.7	-13.6	-10.8	-8.38	-6.39	-4.83	-3.71	-3.03	-2.76	-2.92	-3.49	-4.46	-5.56	-5.87	-4.67	-2.85	-1.36	-0.43	0.03
-140	-16.4	-22.8	-20.6	-16.1	-13.9	-13.1	-13.1	-13.8	-15.2	-17.5	-20.9	-25.4	-31.1	-46	-30.1	-22	-17.2	-13.7	-10.8	-8.39	-6.35	-4.74	-3.6	-2.95	-2.79	-3.1	-3.75	-4.53	-5.25	-5.71	-5.39	-3.97	-2.13	-0.67	0.21	0.62
-135	-26.4	-26.7	-19.4	-17.1	-16.4	-16.7	-17.4	-18.2	-18.8	-19.2	-19.9	-21.4	-24.2	-25.3	-20.7	-16.7	-14	-11.9	-9.78	-7.52	-5.38	-3.63	-2.39	-1.73	-1.75	-2.52	-4.02	-5.78	-6.6	-6.1	-5	-3.48	-1.74	-0.32	0.56	1.02
-130	-20.2	-16.4	-14.8	-14.6	-14.8	-15	-15	-15.1	-15.8	-17.5	-21.2	-31.1	-25.3	-17.7	-14	-12	-10.9	-10.1	-9.02	-7.3	-5.26	-3.37	-1.92	-1.01	-0.81	-1.49	-3.27	-6.1	-7.97	-6.66	-4.73	-3.08	-1.48	-0.14	0.73	1.24
-125	-12.8	-12.1	-11.7	-11.5	-11.1	-10.7	-10.5	-10.8	-11.9	-14.1	-17.2	-17.4	-13.8	-10.9	-9.07	-8.19	-7.93	-7.96	-7.75	-6.87	-5.39	-3.77	-2.34	-1.33	-0.9	-1.32	-2.95	-6.06	-8.8	-6.84	-4.26	-2.56	-1.22	-0.14	0.58	1.07
-120	-10.2	-10.5	-10.5	-9.91	-9.17	-8.61	-8.42	-8.63	-9.27	-10.3	-11	-10.4	-8.65	-6.91	-5.69	-5.05	-4.97	-5.29	-5.69	-5.7	-5.12	-4.17	-3.21	-2.47	-2.14	-2.49	-4.01	-7.09	-9.34	-6.41	-3.61	-2.02	-1.03	-0.33	0.08	0.46
-115	-9.44	-10.2	-10.2	-9.31	-8.48	-7.96	-7.7	-7.69	-7.88	-8.28	-8.63	-8.35	-7.19	-5.69	-4.35	-3.41	-2.99	-3.08	-3.5	-3.86	-3.9	-3.7	-3.51	-3.54	-3.9	-4.78	-6.67	-9.75	-9.54	-5.64	-3.04	-1.71	-1	-0.63	-0.56	-0.45
-110	-8.47	-9.44	-9.55	-8.92	-8.3	-7.82	-7.5	-7.4	-7.49	-7.79	-8.3	-8.62	-7.99	-6.47	-4.72	-3.2	-2.17	-1.7	-1.71	-1.88	-2	-2.15	-2.61	-3.58	-5.16	-7.45	-10.7	-12.5	-8.43	-4.67	-2.6	-1.63	-1.18	-1.02	-1.24	-1.61
-105	-6.51	-7.13	-7.61	-7.82	-7.73	-7.36	-7.02	-6.97	-7.14	-7.52	-8.22	-9.09	-9.15	-7.74	-5.63	-3.59	-1.94	-0.88	-0.39	-0.23	-0.19	-0.38	-1.11	-2.66	-5.24	-8.95	-12.5	-10.3	-6.18	-3.48	-2.13	-1.68	-1.57	-1.62	-2.12	-3.12
-100	-4.33	-4.32	-4.91	-5.86	-6.37	-6.08	-5.74	-5.78	-6.08	-6.46	-6.97	-7.69	-8.21	-7.61	-5.9	-3.83	-1.89	-0.43	0.44	0.85	1.01	0.89	0.17	-1.46	-4.11	-7.31	-8.74	-6.73	-4.05	-2.26	-1.57	-1.69	-2.05	-2.4	-3.2	-4.78
-95	-2.85	-2.25	-2.71	-3.95	-4.86	-4.63	-4.23	-4.3	-4.64	-4.81	-4.77	-4.89	-5.46	-6.01	-5.62	-4.09	-2.14	-0.44	0.69	1.29	1.56	1.54	0.94	-0.48	-2.59	-4.55	-5.12	-4.1	-2.43	-1.2	-0.95	-1.55	-2.35	-2.93	-3.83	-5.43
-90	-2.51	-1.31	-1.45	-2.61	-3.71	-3.64	-3.22	-3.23	-3.45	-3.32	-2.77	-2.4	-2.71	-3.63	-4.41	-4.03	-2.51	-0.79	0.51	1.27	1.68	1.76	1.24	-0.05	-1.78	-2.97	-3.08	-2.41	-1.27	-0.39	-0.39	-1.29	-2.35	-2.93	-3.58	-4.57
-85	-3.37	-1.48	-1.1	-1.87	-2.86	-3.02	-2.72	-2.65	-2.69	-2.29	-1.44	-0.72	-0.63	-1.21	-2.04	-2.38	-1.78	-0.6	0.49	1.23	1.65	1.71	1.15	-0.22	-1.87	-2.54	-2.13	-1.41	-0.53	0.1	-0.08	-1.13	-2.27	-2.72	-3.08	-3.7
-80	-4.81	-2.32	-1.37	-1.56	-2.16	-2.36	-2.21	-1.99	-1.45	-0.49	0.43	0.88	0.77	0.36	0.05	0.13	0.57	1.05	1.38	1.53	1.42	0.75	-0.67	-2.2	-2.43	-1.66	-0.93	-0.27	0.13	0.19	-0.19	-1.27	-2.26	-2.52	-2.83	-3.6
-75	-4.75	-2.69	-1.54	-1.33	-1.49	-1.49	-1.32	-1.15	-0.91	-0.36	0.51	1.4	1.99	2.16	2.03	1.85	1.76	1.72	1.62	1.39	1.14	0.87	0.27	-0.89	-2.03	-2.1	-1.47	-0.96	-0.56	-0.35	-0.74	-1.69	-2.34	-2.4	-2.89	-4.05
-70	-2.91	-1.69	-0.86	-0.67	-0.66	-0.47	-0.14	0.18	0.52	1.01	1.65	2.29	2.75	2.91	2.85	2.66	2.42	2.07	1.5	0.8	0.25	0.02	-0.25	-0.89	-1.57	-1.71	-1.51	-1.41	-1.34	-1.35	-1.81	-2.52	-2.67	-2.5	-3.09	-4.38
-65	-1.4	-0.39	0.28	0.38	0.34	0.56	1	1.47	1.9	2.31	2.7	2.99	3.11	3.04	2.8	2.45	1.99	1.32	0.35	-0.76	-1.44	-1.39	-1.15	-1.19	-1.39	-1.51	-1.71	-2.15	-2.61	-3.04	-3.66	-4.04	-3.48	-2.89	-3.23	-4.15
-60	-1.05	0.18	1.02	1.23	1.2	1.37	1.81	2.33	2.79	3.14	3.31	3.27	2.99	2.51	1.9	1.18	0.34	-0.77	-2.22	-3.46	-3.36	-2.42	-1.86	-1.65	-1.77	-2.34	-3.36	-4.53	-5.62	-6.51	-6.21	-4.67	-3.54	-3.46	-3.95	[illegible]
-55	-1.96	-0.26	0.94	1.43	1.55	1.71	2.09	2.56	2.98	3.24	3.26	2.96	2.32	1.38	0.19	-1.17	-2.72	-4.55	-6.52	-7.53	-6.47	-4.7	-3.38	-2.68	-2.54	-2.96	-4.02	-5.66	-7.49	-9.06	-9.72	-8.26	-5.99	-4.62	-4.35	-4.69
-50	-4.01	-1.75	-0.06	0.82	1.2	1.45	1.77	2.16	2.49	2.65	2.55	2.1	1.25	0.03	-1.71	-3.74	-6.01	-8.05	-8.75	-7.67	-6.05	-4.8	-4.14	-4.05	-4.54	-5.66	-7.4	-9.46	-11	-11.7	-11.4	-9.57	-7.6	-6.53	-6.43	-6.86
-45	-6.2	-3.93	-1.79	-0.47	0.24	0.66	1.01	1.33	1.58	1.68	1.53	1.08	0.28	-0.89	-2.37	-3.99	-5.34	-5.99	-5.89	-5.46	-5.13	-5.12	-5.53	-6.38	-7.7	-9.38	-10.9	-11.5	-11.4	-11.4	-11.5	-10.8	-9.83	-9.33	-9.39	-9.49
-40	-6.01	-5.07	-3.27	-1.79	-0.83	-0.22	0.19	0.5	0.71	0.79	0.69	0.37	-0.19	-0.95	-1.81	-2.67	-3.31	-3.72	-4.03	-4.42	-5.03	-5.92	-7.08	-8.4	-9.62	-10.5	-10.4	-10.5	-11.3	-12.3	-12.7	-12.3	-11.4	-10.5	-9.39	[illegible]
-35	-4.36	-4.11	-3.19	-2.11	-1.22	-0.59	-0.17	0.1	0.27	0.32	0.24	0.03	-0.33	-0.79	-1.32	-1.88	-2.37	-2.91	-3.54	-4.34	-5.34	-6.51	-7.73	-8.83	-9.64	-10.1	-10.5	-11.8	-13.2	-14.6	-14.5	-12.6	-10.5	-8.98	-7.91	[illegible]
-30	-3.56	-3.13	-2.47	-1.72	-1.03	-0.5	-0.14	0.07	0.15	0.12	0	-0.23	-0.55	-0.96	-1.44	-1.99	-2.61	-3.32	-4.15	-5.13	-6.22	-7.39	-8.57	-9.7	-10.8	-11.8	-12.9	-14.1	-15.6	-16.9	-16.2	-13.6	-11	-9.17	-8.03	-7.49
-25	-4.09	-3.31	-2.52	-1.78	-1.16	-0.68	-0.37	-0.22	-0.2	-0.31	-0.54	-0.87	-1.31	-1.85	-2.48	-3.21	-4.04	-4.96	-5.98	-7.08	-8.26	-9.51	-10.9	-12.3	-14	-15.9	-17.8	-19.4	-19.3	-17.3	-14.6	-12.2	-10.4	-9.21	-8.57	-8.42
-20	-5.94	-4.86	-3.86	-3	-2.31	-1.81	-1.49	-1.35	-1.37	-1.54	-1.86	-2.32	-2.91	-3.62	-4.46	-5.4	-6.45	-7.59	-8.8	-10.1	-11.5	-13	-14.7	-16.7	-18.7	-20.3	-20.4	-19.1	-17.2	-15.4	-13.7	-12.4	-11.3	-10.6	-10.1	-9.84
-15	-8.86	-7.85	-6.83	-5.9	-5.15	-4.58	-4.21	-4.03	-4.03	-4.22	-4.57	-5.08	-5.75	-6.57	-7.53	-8.62	-9.83	-11.1	-12.6	-14.1	-15.3	-16.6	-17.6	-18.1	-18.1	-17.7	-17.1	-16.4	-15.8	-15	-14.2	-13.3	-12.3	-11.2	-10.2	-9.15
-10	-10.6	-10.5	-10.3	-10.1	-9.72	-9.43	-9.22	-9.12	-9.17	-9.36	-9.7	-10.2	-10.8	-11.5	-12.3	-13.1	-13.8	-14.4	-14.8	-15	-15	-15	-14.9	-15	-15.1	-15.3	-15.5	-15.7	-15.5	-14.8	-13.7	-12.3	-10.8	-9.41	-8.18	-7.11
-5	-8.46	-8.41	-8.41	-8.45	-8.53	-8.63	-8.76	-8.89	-9.04	-9.2	-9.36	-9.52	-9.68	-9.84	-10	-10.2	-10.4	-10.6	-10.9	-11.3	-11.7	-12.2	-12.8	-13.4	-14.2	-14.8	-15.1	-14.9	-14.1	-12.9	-11.6	-10.2	-9.01	-7.9	-6.93	-6.09
0	-6.13	-5.72	-5.37	-5.1	-4.88	-4.73	-4.63	-4.6	-4.62	-4.7	-4.85	-5.05	-5.32	-5.65	-6.05	-6.52	-7.08	-7.71	-8.43	-9.24	-10.1	-11.1	-12.1	-13	-13.7	-14	-13.8	-13.1	-12.3	-11.3	-10.3	-9.41	-8.58	-7.84	-7.19	-6.62
5	-5.38	-4.78	-4.3	-3.93	-3.65	-3.47	-3.37	-3.35	-3.4	-3.52	-3.7	-3.95	-4.26	-4.63	-5.06	-5.56	-6.14	-6.79	-7.54	-8.37	-9.29	-10.3	-11.3	-12.2	-12.9	-13.2	-13	-12.6	-11.9	-11.2	-10.5	-9.9	-9.42	-9.05	-8.77	-8.57
10	-6.22	-5.51	-4.95	-4.56	-4.3	-4.17	-4.16	-4.23	-4.37	-4.55	-4.76	-4.96	-5.17	-5.38	-5.6	-5.87	-6.21	-6.66	-7.23	-7.97	-8.88	-10	-11.3	-12.7	-14	-14.7	-14.5	-13.8	-13	-12.2	-11.4	-10.8	-10.5	-10.5	-10.5	-10.6
15	-8.25	-7.47	-6.84	-6.37	-6.09	-5.99	-6.05	-6.25	-6.52	-6.82	-7.08	-7.23	-7.28	-7.26	-7.22	-7.24	-7.37	-7.69	-8.22	-9.04	-10.2	-11.8	-13.8	-16.4	-18.8	-18.8	-16.7	-14.5	-12.8	-11.7	-11	-10.6	-10.5	-10.4	-10.2	-9.68
20	-9.59	-9.26	-8.85	-8.42	-8.12	-8.05	-8.26	-8.76	-9.5	-10.3	-11.1	-11.4	-11.2	-10.8	-10.2	-9.73	-9.47	-9.48	-9.84	-10.6	-12	-14	-17	-20.4	-20.1	-16.8	-14	-12.1	-10.8	-10	-9.55	-9.24	-8.97	-8.55	-7.89	-6.99
25	-8.62	-8.94	-9.18	-9.27	-9.36	-9.68	-10.4	-11.7	-13.5	-15.7	-14.3	-12.5	-11	-9.96	-9.28	-8.92	-8.84	-9.06	-9.66	-10.8	-12.8	-15.8	-19.1	-17.6	-14	-11.3	-9.7	-8.77	-8.31	-8.04	-7.7	-7.14	-6.4	-5.62	-4.85	[illegible]
30	-7.41	-7.65	-8.08	-8.66	-9.48	-10.7	-12.6	-15	-16.6	-15.4	-13.1	-11.2	-9.86	-9.04	-8.59	-8.47	-8.62	-8.98	-9.48	-10.4	-12	-14.3	-16.4	-21.1	-17.9	-14.5	-11.4	-9.48	-7.49	-6.63	-6.44	-5.67	-4.82	-4.2	-3.84	[illegible]
35	-7.28	-7.07	-7.25	-7.87	-9.08	-11.2	-14.5	-18.2	-16.1	-12.6	-10.5	-9.64	-9.64	-10.2	-10.8	-11.4	-12	-13.2	-14.8	-16.1	-16.1	-15.8	-16	-16.2	-14.2	-11.1	-8.52	-6.89	-6.08	-5.87	-5.81	-5.4	-4.62	-3.94	-3.75	-4.03
40	-8.37	-7.71	-7.49	-7.73	-8.57	-10.5	-14.7	-24.9	-18.5	-12.5	-10.2	-9.79	-11	-13.7	-16.1	-15.1	-13.5	-13.7	-16.4	-24.9	-25.6	-16.3	-12.8	-10.8	-9.2	-7.62	-6.28	-5.42	-5.09	-5.12	-5.1	-4.66	-3.98	-3.66	-4.1	-5.23
45	-9.26	-8.95	-8.64	-8.19	-7.94	-8.6	-11.2	-16.7	-18.3	-12.4	-9.76	-9.29	-10.8	-14.4	-17.1	-13.4	-10.8	-10.5	-12.5	-18	-44.9	-18.5	-13.6	-11	-8.65	-6.63	-5.26	-4.69	-4.77	-5.05	-4.99	-4.44	-3.82	-3.77	-4.69	-6.24
50	-7.43	-8.27	-9.06	-8.51	-7.13	-6.61	-7.66	-10.3	-12.6	-10.6	-8.24	-7.4	-8.21	-11.1	-16.4	-16.4	-12.7	-12	-14.4	-19.6	-17.8	-14.1	-13.1	-13.4	-11.3	-7.93	-5.74	-5.01	-5.29	-5.71	-5.46	-4.59	-3.73	-3.52	-4.22	-5.06
55	-5.19	-6.1	-7.52	-7.82	-6.29	-5.23	-5.74	-8.14	-12.2	-12.6	-9.09	-6.99	-6.65	-8.22	-12.6	-25.6	-20.7	-17.2	-21.3	-21.1	-13.2	-10.2	-10.1	-12.6	-15.1	-10.5	-7.1	-6.03	-6.35	-6.65	-5.87	-4.42	-3.07	-2.38	-2.55	-2.88
60	-4.24	-4.6	-5.59	-6.38	-5.58	-4.61	-4.92	-7.06	-12.2	-30.3	-14.2	-8.77	-6.84	-7.1	-9.7	-15.4	-18.7	-16.5	-20	-28.9	-15	-11.2	-10.8	-13.4	-17.6	-12.1	-8.11	-6.96	-7.31	-7.22	-5.73	-3.81	-2.16	-1.24	-1.03	-1.59
65	-4.34	-3.99	-4.31	-5.12	-5.14	-4.55	-4.58	-5.75	-8.28	-12.6	-16.1	-11.7	-8.54	-7.87	-9.64	-14.1	-16.6	-14.4	-15.4	-19.9	-18.3	-15.3	-16	-21.6	-18.7	-11	-7.79	-7.11	-7.76	-7.41	-5.36	-3.24	-1.66	-0.9	-1.07	-1.65
70	-4.71	-3.97	-3.85	-4.54	-5.01	-4.87	-4.85	-5.39	-6.73	-9.38	-14	-15.3	-11.4	-9.93	-11.5	-17.1	-20.3	-15.3	-14.7	-15.6	-14.6	-14.4	-17.8	-23.8	-13.9	-8.74	-6.57	-6.57	-7.98	-7.82	-5.22	-2.98	-1.72	-1.43	-2.1	-3.11
75	-4.54	-3.99	-3.86	-4.46	-5.08	-5.38	-5.81	-6.55	-7.86	-10.7	-17.3	-18.2	-12.2	-10.7	-12.4	-19.1	-29.8	-18.9	-18.8	-18.7	-15	-14.1	-17.4	-18.8	-11.2	-7.12	-5.53	-6.12	-8.59	-8.82	-5.33	-2.99	-2.22	-2.73	-4.31	-5.81
80	-3.92	-3.6	-3.66	-4.31	-5.06	-5.84	-7.02	-8.5	-10.5	-14.6	-24.1	-15	-10.8	-10.5	-12.9	-20.8	-28.6	-24.7	-21.2	-17	-14.2	-13.3	-18.3	-23.9	-11	-6.69	-5.27	-6.35	-10	-9.96	-5.37	-3.16	-3.06	-4.66	-7.45	-8
85	-3.81	-3.35	-3.26	-3.82	-4.85	-6.39	-8.43	-10.8	-12.4	-18.3	-24.1	-13.5	-10.7	-11.6	-16.6	-40.9	-17.6	-15.9	-21.1	-17.8	-11.7	-10.5	-13.3	-17	-10.8	-6.91	-5.83	-7.43	-12.1	-10.1	-5.16	-3.42	-4.1	-6.81	-9.48	-6.85
90	-4.81	-3.98	-3.33	-3.45	-4.6	-7.14	-10.8	-12.2	-17.3	-28.6	-14.9	-12.4	-14.4	-22.7	-17.3	-11.7	-11.1	-15.4	-25.7	-13.7	-11.3	-12.5	-12.6	-9.31	-7.11	-6.91	-9.21	-13.7	-9.13	-4.91	-3.78	-5.11	-8.13	-8.4	-5.08	[illegible]
95	-6.48	-5.57	-4.2	-3.63	-4.44	-7.35	-13.3	-15	-12.5	-14.3	-19.9	-17.7	-15.5	-17.4	-20.9	-15	-10.5	-9.34	-11.4	-17.8	-20.9	-18.1	-16.4	-11.4	-8.29	-7.47	-8.49	-11.4	-13.1	-8.29	-5.06	-4.44	-6.08	-8.38	-7.13	-4.51
100	-6.44	-6.55	-5.34	-4.27	-4.35	-6.42	-11.8	-18.5	-13.8	-12.9	-15.1	-17.7	-18.6	-19	-21.9	-21.7	-13.9	-10.4	-9.87	-11.3	-14.1	-20.9	-20.7	-11.3	-8.46	-8.71	-11.2	-13.7	-12	-8.26	-5.99	-5.76	-7.38	-8.66	-6.94	-5.11
105	-4.08	-4.57	-4.73	-4.5	-4.32	-5.26	-8.27	-13.7	-15.4	-13.7	-14.6	-18.3	-22.6	-19.7	-18.7	-22.1	-17.5	-12.3	-10.5	-10.9	-13.6	-21.9	-20.3	-11.9	-9.81	-11.5	-16.4	-15.6	-11.6	-9.41	-8.18	-8.23	-9.48	-9.57	-7.67	-6.47
110	-1.67	-1.72	-2.38	-3.5	-4.12	-4.4	-5.62	-8.44	-12.5	-15.2	-16.6	-20.1	-32.4	-23.8	-17.7	-15	-13	-11.8	-11.8	-13.3	-15.5	-16	-13.1	-10.7	-10.7	-14.7	-32.6	-15.9	-12.2	-12	-12.5	-12.6	-12.3	-10.8	-8.81	-7.97
115	0	0.25	-0.38	-1.98	-3.45	-3.64	-3.83	-5.39	-8.92	-14.8	-16.5	-16.5	-19.9	-23.2	-16.7	-13.1	-12.2	-12.8	-12.7	-11.1	-9.45	-8.6	-8.73	-10.6	-16.2	-23.7	-14.7	-12.9	-15.3	-21.7	-18.3	-13.8	-11.3	-9.67	-9.04	[illegible]
120	1.01	1.29	0.75	-0.77	-2.39	-2.71	-2.6	-3.59	-6.47	-12.2	-14.1	-12.1	-13.4	-19.1	-37	-19.7	-17.1	-15.5	-12	-9.15	-7.81	-7.8	-9.19	-12.7	-21.2	-17.2	-12.3	-12.1	-12.5	-14.4	-16.9	-22.7	-12.7	-11.2	-10.6	-10.3
125	1.52	1.72	1.26	0.05	-1.26	-1.69	-1.67	-2.42	-4.62	-8.86	-15.1	-14.3	-11.4	-11.1	-13	-16.6	-21.5	-33.9	-20.5	-13.5	-10.4	-9.46	-10.4	-13.6	-23.2	-20.4	-12.7	-10.4	-11	-14.6	-18.7	-14.6	-12	-11.8	-12.9	-13.5
130	1.59	1.74	1.44	0.64	-0.3	-0.81	-1.02	-1.64	-3.2	-5.94	-9.59	-11.6	-10.5	-9.58	-9.81	-11.1	-13.4	-17.2	-20.1	-17.2	-15	-15.2	-18.8	-32.4	-18.7	-12.5	-9.78	-9.27	-10.9	-15	-17.9	-13.9	-11.8	-12.2	-15.2	-20.7
135	1.3	1.46	1.39	0.98	0.37	-0.16	-0.61	-1.24	-2.37	-4.1	-6.15	-7.69	-8.06	-7.99	-8.41	-9.74	-12.2	-16.4	-23.6	-30.6	-27.4	-28.2	-22.8	-16.6	-12.7	-10.5	-9.84	-10.8	-13.8	-19.4	-16.8	-12.2	-10.3	-10.5	-12.4	-16.6
140	0.83	0.98	1.05	0.93	0.6	0.14	-0.42	-1.15	-2.14	-3.42	-4.82	-6.02	-6.85	-7.61	-8.82	-11	-14.7	-21.5	-25.9	-19.5	-16.5	-15.1	-14.1	-13.1	-12.3	-12.3	-13.4	-16.6	-22.5	-18.4	-12.8	-9.93	-8.65	-8.61	-9.71	-12.1
145	0.23	0.32	0.36	0.33	0.16	-0.18	-0.72	-1.47	-2.48	-3.72	-5.08	-6.42	-7.71	-9.17	-11.3	-14.7	-20.7	-23.3	-17.3	-14	-12.5	-11.9	-12	-12.2	-12.7	-13.7	-15.9	-20.8	-28.4	-18.2	-12.9	-9.8	-8.38	-7.75	-7.95	-9.03	-10.3
150	-0.91	-0.88	-0.94	-1.04	-1.21	-1.48	-1.93	-2.63	-3.62	-4.92	-6.54	-8.41	-10.6	-13.1	-16.7	-22.3	-25.4	-19.4	-15.7	-13.7	-12.9	-12.8	-13.4	-14.7	-16.8	-20.3	-27.5	-34.5	-21.8	-16.6	-13.3	-11.1	-9.63	-8.87	-8.83	-9.51
155	-2.87	-3.01	-3.22	-3.44	-3.64	-3.86	-4.19	-4.71	-5.54	-6.74	-8.41	-10.6	-13.5	-17.6	-21.6	-22.5	-21.5	-18.9	-17.5	-16.4	-19.9	-21.1	-18.8	-18.6	-17.9	-18.3	-20	-22.7	-21.4	-16.7	-13	-10.6	-9.16	-8.46	-8.41	[illegible]
160	-5.24	-5.87	-6.46	-6.88	-7.08	-7.1	-7.1	-7.24	-7.63	-8.36	-9.48	-11	-13	-15.4	-17.8	-19.7	-20.8	-21.8	-23	-24.2	-23.1	-20	-17	-14.9	-13.4	-12.5	-12.1	-11.8	-11.5	-10.8	-9.68	-8.51	-7.48	-6.74	-6.33	-6.26
165	-8.23	-9.5	-10.7	-11.5	-11.6	-11.2	-10.6	-10.1	-9.96	-10.2	-10.8	-11.8	-13.3	-15.3	-18	-21.1	-23.1	-22	-19.6	-17.5	-15.9	-14.6	-13.6	-12.7	-12	-11.4	-10.7	-9.86	-8.97	-8.05	-7.17	-6.4	-5.81	-5.43	-5.25	-5.27
170	-14.7	-17.1	-19.3	-19.9	-18.5	-16.6	-15	-14	-13.5	-13.5	-13.9	-14.7	-16.2	-18.4	-21.4	-26.1	-29.9	-25.9	-22	-19.6	-18	-17.1	-16.4	-15.9	-15.3	-14.6	-13.6	-12.4	-11.2	-10.1	-9.19	-8.42	-7.84	-7.46	-7.25	-7.22
175	-27.4	-30.7	-29.2	-25.7	-23.1	-21.2	-20	-19.3	-18.9	-18.9	-19.3	-20	-21.1	-22.7	-24.9	-28	-32.8	-41.9	-43	-35.1	-31.8	-30.1	-29	-28	-26.7	-24.9	-23	-21.1	-19.5	-18	-16.8	-15.8	-15	-14.4	-14	-13.7
180	-22.3	-22.7	-23.2	-23.7	-24.3	-25	-25.7	-26.4	-27.1	-27.7	-28.2	-28.4	-28.3	-28	-27.4	-26.8	-26.1	-25.3	-24.7	-24	-23.5	-23	-22.5	-22.1	-21.8	-21.5	-21.3	-21.2	-21.1	-21.1	-21.1	-21.1	-21.3	-21.4	-21.7	-22

ANT1 (5G4) @5180 MHz



EH - 5240 MHz

Azimuth (Phi°) — Elevation (Theta°)

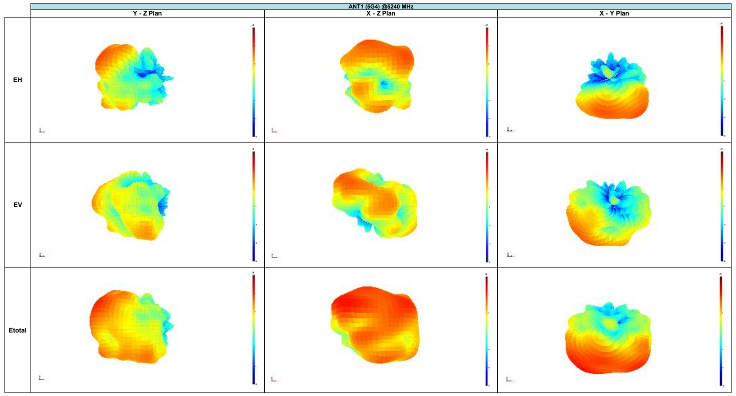
Elevation (Theta°)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
-180	-23.68	-23.06	-22.54	-22.11	-21.76	-21.49	-21.29	-21.16	-21.09	-21.1	-21.2	-21.3	-21.5	-21.8	-22.1	-22.52	-23.04	-23.65	-24.38	-25.25	-26.27	-27.49	-28.97	-30.77	-33	-35.67	-38.2	-38.2	-35.8	-33.09	-30.85	-29.03	-27.54	-26.31	-25.28	-24.41
-175	-25.37	-23.09	-21.3	-19.84	-18.61	-17.58	-16.69	-15.94	-15.31	-14.8	-14.4	-14.1	-13.9	-13.8	-13.9	-14.05	-14.35	-14.78	-15.35	-16.09	-17	-18.12	-19.5	-21.2	-23.31	-25.83	-28.2	-28.5	-26.4	-23.9	-21.83	-20.23	-19.02	-18.16	-17.59	-17.31
-170	-21.04	-19.89	-18.97	-18.1	-17.13	-16.02	-14.8	-13.57	-12.41	-11.4	-10.5	-9.82	-9.32	-9	-8.87	-8.93	-9.16	-9.58	-10.16	-10.92	-11.84	-12.94	-14.24	-15.78	-17.67	-20.12	-23.5	-28.2	-29.1	-24.11	-20.22	-17.53	-15.61	-14.27	-13.4	-12.94
-165	-20.62	-20.78	-21.3	-21.34	-19.94	-17.48	-14.91	-12.63	-10.71	-9.12	-7.84	-6.84	-6.11	-5.63	-5.39	-5.38	-5.6	-6.04	-6.69	-7.53	-8.56	-9.77	-11.16	-12.73	-14.55	-16.74	-19.7	-24.5	-37.4	-28.22	-20.79	-16.89	-14.41	-12.81	-11.87	-11.47
-160	-30.36	-30.28	-26.27	-21.59	-17.86	-14.92	-12.53	-10.53	-8.83	-7.38	-6.18	-5.21	-4.49	-4.02	-3.79	-3.8	-4.03	-4.46	-5.09	-5.91	-6.92	-8.15	-9.63	-11.4	-13.49	-15.92	-18.7	-21.9	-24.7	-23.18	-19.29	-16.13	-13.96	-12.66	-12.13	-12.32
-155	-19.5	-18.26	-16.58	-14.85	-13.23	-11.73	-10.32	-9.01	-7.79	-6.71	-5.79	-5.07	-4.57	-4.29	-4.2	-4.26	-4.43	-4.67	-4.96	-5.33	-5.85	-6.61	-7.74	-9.34	-11.54	-14.37	-17.5	-19.6	-19.9	-19.27	-18.2	-16.64	-15.07	-14.11	-14.1	-15.33
-150	-14.43	-14.19	-13.64	-13.02	-12.38	-11.59	-10.56	-9.36	-8.16	-7.14	-6.37	-5.89	-5.68	-5.58	-5.46	-5.72	-5.73	-5.62	-5.37	-5.06	-4.82	-4.77	-5.01	-5.65	-6.79	-8.48	-10.65	-12.7	-13.5	-13.2	-13.09	-13.82	-15.36	-16.84	-17.26	-17.45
-145	-13.44	-13.64	-13.6	-13.72	-13.92	-13.41	-11.74	-9.66	-7.88	-6.59	-5.76	-5.29	-5.08	-5.01	-4.8	-4.55	-4.25	-3.95	-3.72	-3.59	-3.58	-3.71	-4.04	-4.62	-5.47	-6.52	-7.47	-7.78	-7.32	-6.63	-6.35	-6.79	-8.13	-10.36	-12.96	-14.54
-140	-14.29	-14.15	-14.85	-15.75	-16.29	-14.04	-10.61	-7.9	-6.08	-4.97	-4.31	-3.87	-3.39	-2.79	-2.14	-1.58	-1.14	-0.92	-0.91	-1.16	-1.7	-2.56	-3.7	-4.87	-5.55	-5.29	-4.33	-3.25	-2.43	-2.08	-2.33	-3.31	-5.06	-7.38	-9.08	-9.33
-135	-15.89	-16.47	-17.48	-18.27	-15.71	-11.59	-8.39	-6.31	-5.14	-4.52	-4.14	-3.68	-3.02	-2.25	-1.2	-0.32	0.36	0.84	1.1	1.07	0.65	-0.28	-1.78	-3.6	-4.71	-4.02	-2.47	-1.15	-0.33	-0.06	-0.29	-1.05	-2.41	-4.23	-5.9	-6.17
-130	-16.24	-17.01	-16.96	-14.77	-11.62	-8.93	-7.05	-6	-5.67	-5.84	-5.97	-5.43	-4.54	-3.91	-1.3	-0.22	0.64	1.34	1.86	2.13	2.01	1.35	0.05	-1.83	-3.48	-3.37	-1.93	-0.64	0.09	0.37	0.32	-0.13	-1.2	-2.9	-4.57	-4.98
-125	-13.41	-13.1	-11.98	-10.23	-8.49	-7.15	-6.33	-6.08	-6.31	-6.6	-5.59	-4.09	-2.63	-1.42	-0.48	0.28	0.92	1.47	1.87	1.99	1.66	0.76	-0.7	-2.31	-2.97	-2.29	-1.29	-0.79	-0.65	-0.71	-1.36	-2.77	-4.46	-5.14	[illegible]	[illegible]
-120	-11.12	-10.9	-10	-8.66	-7.35	-6.29	-5.58	-5.24	-5.22	-5.27	-4.98	-4.14	-3.01	-1.93	-1.1	-0.54	-0.21	0	0.21	0.44	0.6	0.53	0.1	-0.71	-1.78	-2.66	-2.81	-2.5	-2.41	-2.6	-2.57	-2.27	-2.37	-3.37	-5.02	-6.16
-115	-10.82	-11.55	-11.27	-9.95	-8.25	-6.64	-5.34	-4.5	-4.16	-4.12	-3.95	-3.24	-2.13	-1.09	-0.42	-0.21	-0.43	-0.91	-1.43	-1.88	-2.01	-1.93	-1.87	-2.05	-2.56	-3.11	-3.44	-3.79	-4.44	-4.78	-4.3	-3.87	-4.29	-5.6	-6.98	[illegible]
-110	-12.65	-14.83	-15.52	-13.76	-11.01	-8.41	-6.41	-5.17	-4.69	-4.72	-4.53	-3.41	-1.74	-0.34	0.42	0.46	-0.16	-1.28	-2.67	-4.05	-5.18	-5.72	-5.21	-4.02	-3.08	-2.87	-3.23	-3.69	-4.09	-4.74	-5.45	-5.44	-4.94	-4.89	-5.56	-6.44
-105	-16.53	-19.51	-20.04	-18.43	-14.99	-11.57	-8.91	-7.28	-6.63	-6.56	-5.96	-3.98	-1.59	0.23	1.18	1.24	0.49	-0.96	-2.93	-5.25	-7.8	-9.95	-9.39	-6.7	-4.56	-3.56	-3.41	-3.56	-3.72	-4.03	-4.57	-4.92	-4.9	-4.95	-5.3	-5.57
-100	-18.11	-18.69	-19.53	-19.24	-17.41	-14.75	-11.99	-9.87	-8.62	-7.85	-6.51	-4.14	-1.58	0.37	1.46	1.67	1.03	-0.4	-2.56	-5.44	-9.19	-13.2	-12.01	-7.96	-5.24	-3.83	-3.33	-3.27	-3.37	-3.65	-4.13	-4.6	-4.91	-5.24	-5.56	-5.41
-95	-15.69	-15.22	-14.85	-13.74	-13.06	-13.42	-13.59	-11.83	-9.36	-7.32	-5.57	-3.77	-1.9	-0.27	0.82	1.2	0.82	-0.38	-2.4	-5.34	-9.19	-11.88	-9.4	-6.12	-4.2	-3.41	-3.41	-4.18	-5.03	-5.64	-5.93	-6.18	-6.38	-6.11	[illegible]	[illegible]
-90	-14.7	-13.17	-11.26	-9.58	-9.1	-10.28	-12.9	-12.98	-9.26	-6.26	-4.44	-3.39	-2.69	-1.99	-1.24	-0.73	-0.75	-1.49	-3.02	-5.24	-7.37	-7.42	-5.41	-3.37	-2.08	-1.6	-1.61	-2.59	-3.84	-5.47	-7.61	-7.39	-7.25	-7.65	[illegible]	[illegible]
-85	-16.64	-13.26	-10.05	-7.97	-7.2	-7.99	-9.68	-11.54	-9.49	-6.11	-3.97	-2.92	-2.48	-2.28	-2.03	-1.46	-1.05	-0.92	-1.23	-2.22	-3.68	-5.04	-4.48	-2.61	-1.21	-0.45	-0.38	-1.03	-2.47	-4.03	-5.08	-5.54	-5.76	-6.49	-7.76	[illegible]
-80	-18.43	-13.82	-10.34	-8.19	-7.27	-7.47	-8.5	-9.14	-7.59	-5.04	-3.1	-2.21	-2.4	-3.65	-5.13	-6.36	-6.53	-5.44	-4.43	-3.22	-1.71	-0.26	0.75	1.13	0.92	0.17	-1.03	-2.77	-4.81	-6.43	-6.98	-7.28	-8.38	-10.62	-13.81	[illegible]
-75	-14.7	-12.54	-10.79	-9.46	-8.37	-7.32	-6.35	-5.44	-4.37	-3.02	-1.71	-0.87	-0.76	-1.46	-2.86	-4.52	-5.62	-5.47	-4.42	-3.12	-1.72	-0.25	1.07	1.98	2.34	2.16	1.52	0.47	-0.93	-2.61	-4.38	-5.89	-7.47	-9.86	-13.89	-19.35
-70	-14	-12.66	-12.03	-11.58	-9.95	-7.13	-4.54	-2.76	-1.63	-0.86	-0.21	0.32	0.55	0.31	-0.36	-1.27	-2.03	-2.29	-1.97	-1.25	-0.3	0.8	1.88	2.71	3.14	3.1	2.62	1.79	0.66	-0.81	-2.71	-5.13	-8.05	-11.62	-15.57	-16.37
-65	-18.5	-16.7	-15.79	-14.33	-10.63	-6.51	-3.35	-1.28	-0.06	0.56	0.9	1.15	1.33	1.36	1.16	0.79	0.43	0.22	0.27	0.53	0.98	1.61	2.35	3.03	3.47	3.55	3.24	2.6	1.67	0.36	-1.56	-4.23	-7.47	-10.31	-11.56	-11.57
-60	-26.69	-39.68	-23.05	-14.81	-9.64	-5.84	-3.01	-1.01	0.26	0.97	1.32	1.51	1.66	1.8	1.86	1.85	1.79	1.76	1.79	1.86	1.99	2.24	2.64	3.1	3.47	3.6	3.42	2.96	2.22	1.12	-0.48	-2.59	-4.86	-6.7	-8.04	-9.34
-55	-14.86	-17.23	-17.85	-12.64	-8.35	-5.43	-3.31	-1.69	-0.47	0.41	1.01	1.41	1.7	1.94	2.14	2.31	2.44	2.54	2.61	2.64	2.65	2.69	2.82	3.04	3.24	3.32	3.24	2.96	2.48	1.76	0.77	-0.5	-1.98	-3.65	-5.69	-8.31
-50	-11.81	-13.36	-14.96	-12.04	-8.17	-5.5	-3.75	-2.48	-1.4	-0.41	0.48	1.22	1.8	2.22	2.53	2.73	2.87	2.94	2.97	2.94	2.9	2.84	2.79	2.74	2.69	2.65	2.62	2.55	2.43	2.2	1.77	1.04	-0.12	-1.84	-4.33	-7.78
-45	-12.24	-13.74	-16.75	-14.65	-9.77	-6.46	-4.37	-2.96	-1.86	-0.81	0.22	1.18	2	2.62	3.03	3.25	3.32	3.26	3.13	2.98	2.83	2.66	2.43	2.13	1.82	1.64	1.65	1.83	2.07	2.21	2.11	1.61	0.54	-1.25	-3.97	-7.78
-40	-14.43	-16.11	-22.31	-21.5	-12.79	-8.29	-5.54	-3.7	-2.34	-1.17	-0.06	1	1.93	2.66	3.17	3.44	3.49	3.37	3.14	2.86	2.56	2.21	1.8	1.3	0.83	0.56	0.63	0.95	1.36	1.66	1.66	1.21	0.16	-1.69	-4.54	-8.41
-35	-16.3	-17.83	-23.49	-25.71	-15.36	-10.25	-7.07	-4.86	-3.21	-1.86	-0.67	0.4	1.33	2.08	2.61	2.91	2.99	2.88	2.64	2.31	1.91	1.45	0.91	0.32	-0.19	-0.47	-0.44	-0.16	0.2	0.44	0.41	-0.07	-1.16	-3.05	-5.94	-9.53
-30	-16.47	-18.02	-21.84	-25.44	-17.69	-12.27	-8.75	-6.24	-4.36	-2.86	-1.63	-0.61	0.24	0.89	1.35	1.61	1.68	1.59	1.35	1.01	0.57	0.05	-0.54	-1.13	-1.63	-1.92	-1.96	-1.82	-1.63	-1.54	-1.71	-2.29	-3.46	-5.39	-8.13	-10.75
-25	-16	-17.88	-21.97	-35.33	-21.97	-14.86	-10.74	-7.91	-5.83	-4.23	-2.98	-2.01	-1.27	-0.74	-0.4	-0.24	-0.25	-0.41	-0.7	-1.13	-1.65	-2.26	-2.9	-3.5	-3.97	-4.25	-4.35	-4.35	-4.35	-4.5	-4.91	-5.7	-7	-8.8	-10.68	-11.41
-20	-16.71	-18.31	-21.48	-26.81	-23.19	-16.89	-12.78	-9.89	-7.75	-6.12	-4.87	-3.93	-3.26	-2.8	-2.56	-2.5	-2.62	-2.91	-3.35	-3.92	-4.59	-5.31	-6.02	-6.63	-7.09	-7.4	-7.63	-7.85	-8.17	-8.65	-9.34	-10.22	-11.13	-11.74	-11.7	-11.14
-15	-19.62	-20.59	-21.81	-22.31	-20.55	-17.48	-14.58	-12.18	-10.27	-8.76	-7.59	-6.71	-6.09	-5.69	-5.51	-5.52	-5.71	-6.07	-6.58	-7.19	-7.87	-8.56	-9.21	-9.77	-10.23	-10.62	-11	-11.3	-11.6	-11.8	-11.83	-11.64	-11.28	-10.84	-10.47	-10.3
-10	-16.17	-17.41	-18.25	-18.53	-18.17	-17.28	-16.08	-14.8	-13.6	-12.6	-11.7	-11	-10.5	-10.2	-10.1	-10.05	-10.18	-10.41	-10.69	-10.98	-11.22	-11.38	-11.41	-11.32	-11.12	-10.84	-10.5	-10.1	-9.76	-9.4	-9.09	-8.84	-8.7	-8.7	-8.87	-9.25
-5	-11.15	-12.16	-13.16	-14.1	-14.94	-15.59	-16.01	-16.18	-16.1	-15.8	-15.4	-14.9	-14.4	-13.8	-13.3	-12.69	-12.1	-11.51	-10.93	-10.36	-9.8	-9.27	-8.77	-8.31	-7.9	-7.55	-7.25	-7.01	-6.85	-6.77	-6.77	-6.86	-7.05	-7.36	-7.8	-8.37
0	-9.14	-10.02	-11	-12.07	-13.19	-14.24	-15.04	-15.34	-15.03	-14.2	-13.2	-12	-11	-9.99	-9.12	-8.35	-7.68	-7.09	-6.59	-6.17	-5.83	-5.55	-5.33	-5.18	-5.09	-5.06	-5.09	-5.19	-5.34	-5.55	-5.84	-6.18	-6.61	-7.11	-7.69	-8.37
5	-9.1	-10	-11.09	-12.33	-13.65	-14.79	-15.31	-14.87	-13.71	-12.3	-10.9	-9.6	-8.49	-7.53	-6.71	-6.01	-5.41	-4.92	-4.51	-4.19	-3.95	-3.79	-3.72	-3.72	-3.8	-3.97	-4.22	-4.56	-4.98	-5.48	-6.07	-6.74	-7.49	-8.31	-9.21	-10.15
10	-9.89	-10.82	-12.13	-13.86	-15.94	-17.78	-17.88	-16.07	-13.85	-11.9	-10.4	-9.18	-8.2	-7.39	-6.71	-6.11	-5.56	-5.07	-4.62	-4.23	-3.9	-3.66	-3.52	-3.5	-3.6	-3.84	-4.24	-4.79	-5.5	-6.39	-7.45	-8.67	-10.05	-11.55	-13.12	-14.7
15	-10.44	-11	-12.12	-14.02	-17.16	-22.45	-25.65	-19.44	-15.26	-12.7	-11	-9.89	-9.16	-8.65	-8.25	-7.86	-7.4	-6.86	-6.25	-5.63	-5.06	-4.6	-4.29	-4.16	-4.23	-4.53	-5.08	-5.89	-6.98	-8.37	-10.06	-12.03	-14.16	-16.21	-17.81	-18.84
20	-10.52	-10.27	-10.63	-11.84	-14.26	-18.91	-30.96	-22.78	-16.26	-13.1	-11.4	-10.5	-10.2	-10.2	-10.5	-10.68	-10.61	-10.1	-9.22	-8.18	-7.18	-6.36	-5.81	-5.55	-5.61	-6.02	-6.79	-7.95	-9.46	-11.25	-13.08	-14.55	-15.34	-15.59	-15.68	-15.96
25	-10.56	-9.45	-8.99	-9.49	-11.15	-14.5	-21.1	-24.28	-16.68	-13	-11.2	-10.5	-10.5	-11.3	-12.5	-14.17	-15.54	-15.47	-13.8	-11.65	-9.74	-8.29	-7.34	-6.9	-6.98	-7.58	-8.71	-10.3	-12.1	-13.22	-13.37	-13.08	-13.03	-13.41	-14.09	-14.92
30	-10.65	-8.88	-7.73	-7.69	-8.85	-11.48	-16.62	-28.51	-19.16	-13.8	-11.3	-10.3	-10.4	-11.4	-13.5	-17	-22.53	-23.46	-18.1	-14.26	-11.52	-9.53	-8.22	-7.58	-7.63	-8.38	-9.77	-11.5	-12.6	-12.63	-11.44	-11.15	-11.7	-13.01	-14.59	-15.71
35	-10.76	-8.75	-7.12	-6.7	-7.49	-9.61	-13.7	-23.02	-24.57	-15.5	-12.1	-10.6	-10.4	-11.2	-13.2	-17.31	-27.32	-26.25	-18.27	-15.01	-12.96	-11.21	-9.73	-8.84	-8.71	-9.34	-10.5	-11.3	-10.9	-9.89	-9.38	-9.86	-11.5	-14.17	-16.5	-16.58
40	-10.97	-9.23	-7.24	-6.53	-7.1	-9.03	-12.68	-18.75	-20.41	-15.7	-13.2	-12	-11.7	-11.9	-13.1	-16.06	-22.19	-21.79	-15.99	-13.49	-12.79	-12.7	-12.2	-11.42	-11.12	-11.56	-12	-11.9	-9.42	-8.2	-8.09	-9.36	-12.42	-17.6	-18.85	-15.48
45	-11.22	-10.02	-7.65	-6.62	-7.03	-8.82	-11.71	-13.69	-12.84	-11.9	-12.2	-13.7	-15	-14.2	-13.2	-13.95	-17.13	-19	-14.71	-12.01	-11.38	-12.12	-13.19	-13.56	-13.75	-14.61	-14.8	-12.4	-9.69	-8.26	-8.36	-10.27	-15.08	-25.99	-17.34	-13.08
50	-11.22	-10.37	-7.76	-6.45	-6.63	-8.12	-10.18	-10.64	-9.5	-8.94	-9.93	-13.2	-19.4	-16.7	-12.3	-11.23	-12.51	-14.53	-13.62	-11.8	-11.5	-12.69	-14.34	-14.84	-14.86	-16.12	-17.8	-15.4	-12.1	-10.52	-10.81	-13.35	-20.53	-26.11	-15.35	-12.22
55	-10.74	-10.19	-7.93	-6.54	-6.51	-7.89	-10.32	-11.6	-10.23	-9.03	-9.41	-12.1	-19.6	-19.5	-12.3	-10.08	-10.26	-11.38	-11.43	-10.9	-11.57	-14.19	-18.19	-18.3	-16.45	-16.84	-18.9	-18.2	-15.6	-14.78	-15.95	-19.64	-30.39	-24.06	-17.17	-14.74
60	-10.45	-10.48	-9.32	-8.19	-8.04	-9.45	-13.19	-18.97	-14.94	-11.1	-10	-11.5	-16.9	-30.6	-15	-11.28	-10.76	-11.34	-11	-10.24	-10.79	-13.56	-19.8	-24.3	-19.75	-19.74	-22.2	-19.9	-17.1	-17.47	-21.32	-30.97	-31.75	-28.53	-27.43	-25.61
65	-11.54	-12.19	-13.3	-13.77	-13.8	-15.39	-21.84	-24.7	-14.26	-10.7	-9.93	-11.5	-16.4	-24.3	-15.6	-12.31	-12.34	-13.96	-13.62	-11.87	-11.76	-14.17	-20.42	-25.52	-20.52	-21.58	-35.6	-22.8	-17.3	-16.78	-19.88	-29.28	-33.02	-25.76	-23.79	-21.23
70	-14.85	-15.08	-18.01	-23.51	-23.14	-21.41	-20.62	-15.8	-11.69	-9.89	-10.3	-13.6	-23.2	-19.5	-13.3	-11.83	-13.54	-19.12	-21.39	-16.26	-15.47	-18.86	-33.12	-22.56	-18.4	-19.67	-25.8	-21	-16.3	-15.32	-17.22	-22.8	-37.38	-24.14	-19.06	-16.08
75	-19	-15.63	-13.11	-11.18	-10.11	-10.3	-11.81	-13.13	-12.01	-10.8	-11.3	-14.3	-18.1	-15.9	-13.7	-14.24	-17.8	-21.74	-18.15	-16.68	-19.4	-34.07	-21.52	-16.34	-15.97	-19.98	-34.7	-19.1	-14.7	-13.93	-15.55	-19.86	-30.29	-29.47	-21.24	-17.37
80	-15.6	-13.21	-10.08	-7.92	-6.96	-7.33	-9.1	-11.69	-12.64	-11.6	-10.9	-10.5	-10.4	-11.3	-14.3	-23.52	-17.98	-11.79	-10	-11.13	-16.23	-29.17	-15.63	-12.24	-12.56	-16.03	-20.4	-16.3	-13.6	-13.48	-15.72	-20.6	-28.46	-29.89	-26.86	-23.24
85	-10.87	-10.27	-8.71	-7.23	-6.51	-6.87	-8.29	-10.19	-11.54	-11.9	-11.1	-9.48	-8.54	-9.33	-14.3	-26.82	-13.61	-8.6	-7.34	-8.78	-13.98	-26.12	-13.81	-10.36	-10.26	-11.93	-13.5	-12.4	-11.7	-13.72	-17.83	-27.18	-28.89	-23.27	-21.29	-19.26
90	-7.52	-7.34	-7.3	-7.18	-7.02	-7.15	-7.67	-8.43	-9.69	-12	-13.8	-11.8	-9.75	-9.91	-13.3	-23.07	-14.51	-9.58	-8.39	-9.99	-15.72	-23.14	-12.98	-10.02	-9.89	-10.61	-10.3	-9.91	-10.9	-14.08	-20.62	-28.38	-22.56	-20.77	-19.33	-16.7
95	-5.5	-5.3	-5.87	-6.88	-7.46	-7.32	-7.07	-7.31	-8.57	-11.5	-16.7	-16.3	-12.5	-11.7	-14	-22.1	-21.2	-14.66	-13.31	-15.24	-20.64	-17.22	-12.32	-10.62	-10.58	-11.31	-9.55	-8.81	-10.2	-13.94	-19.17	-19.32	-17.74	-18.17	-18.97	-17.4
100	-4.83	-4.6	-5.27	-6.69	-7.71	-7.45	-6.94	-7.24	-8.82	-12.2	-18	-17.8	-13.7	-12.6	-16.4	-20.34	-49.35	-23.05	-20.22	-19.48	-17.36	-14.2	-12.43	-13.04	-15.08	-12.77	-9.54	-8.66	-10	-13.1	-16.08	-16.29	-15.45	-15.29	-16.17	-17.45
105	-5.38	-5.22	-5.77	-7.08	-8.18	-8.01	-7.66	-8.88	-9.77	-18.5	-15	-18.7	-14.5	-11.9	-14.5	-21.32	-30.49	-22.84	-21.86	-21.55	-18.87	-15.68	-14.66	-16.02	-18.69	-13.93	-10.1	-9.41	-10.4	-12.52	-14.58	-15.42	-14.22	-12.7	-12.46	-13.82
110	-6.72	-6.56	-6.81	-7.79	-8.83	-9	-8.88	-9.77	-12.64	-15.1	-11.3	-9.9	-10.7	-14.3	-22.53	-17.16	-17.26	-19.76	-24.6	-30.13	-19.76	-16.47	-17.06	-18.67	-15.13	-12	-11	-11.6	-14.22	-15.34	-13.52	-11.2	-10.27	-10.86	[illegible]	[illegible]
115	-7.29	-6.94	-7.02	-7.86	-9.05	-9.63	-9.61	-10.11	-11.77	-13.6	-12.3	-10	-9.04	-9.91	-13.56	-18.28	-16.57	-15.65	-13.62	-13.5	-14.96	-16.09	-14.94	-13.94	-14.76	-16.6	-15.78	-13.7	-13	-13.3	-14.06	-15.24	-16.16	-14.27	-11.59	-10.18	-10.07
120	-6.03	-5.67	-5.94	-6.96	-8.33	-9.08	-8.8	-8.51	-9.03	-10.3	-11.3	-11	-10.2	-10	-10.4	-11.28	-12.25	-14.48	-14.28	-14.64	-15.49	-14.23	-13.16	-13.74	-14.89	-14.68	-14	-14.4	-15.6	-16.67	-17.82	-19.09	-17.27	-14.01	-11.98	-11.2
125	-4.73	-4.44	-4.82	-5.86	-7.16	-7.77	-7.22	-6.46	-6.41	-7.46	-9.81	-13.4	-15.2	-12.5	-9.75	-8.28	-7.99	-8.96	-11.6	-17.27	-42.52	-20.61	-16.71	-15.76	-14.79	-13.4	-13	-14.1	-16.9	-20.36	-23.19	-24.7	-21.26	-17.14	-14.73	-13.68
130	-4.47	-4.21	-4.56	-5.45	-6.52	-7.07	-6.6	-5.48	-5.27	-4.82	-5.32	-7.02	-10.5	-17.6	-22.5	-11.26	-8.61	-8.8	-9.19	-10.52	-11.54	-12.97	-15.99	-20.88	-24.63	-17.54	-13.87	-13	-14.5	-18.8	-25.3	-31.1	-23.97	-19.92	-17.44	-16.15	-15.83
135	-5.68	-5.46	-5.75	-6.42	-7.22	-7.56	-6.92	-5.8	-4.99	-4.9	-5.67	-7.44	-10.6	-16.2	-21.1	-14.49	-10.53	-8.5	-7.63	-7.67	-8.63	-10.84	-15.27	-25.27	-20.44	-15.43	-14.6	-16.7	-23	-26.95	-19.35	-16.21	-14.86	-14.44	-14.65	-15.26
140	-9.01	-8.94	-9.04	-9.17	-9.34	-9.4	-8.9	-7.81	-6.74	-6.11	-6.09	-6.68	-7.83	-9.63	-11.4	-12.09	-11.02	-9.54	-8.62	-8.57	-9.6	-12.06	-16.56	-20.68	-17.16	-14.87	-15.2	-17.7	-19.4	-15.95	-12.98	-11.55	-11.21	-11.6	-12.47	-13.53
145	-15.68	-15.93	-14.34	-12.21	-10.79	-10.08	-9.6	-8.93	-8.1	-7.37	-6.94	-6.83	-6.95	-7.19	-7.46	-7.75	-8.1	-8.65	-9.6	-11.29	-14.33	-20.54	-37.98	-19.73	-15.59	-14.49	-15.2	-16.2	-15	-12.46	-10.68	-9.92	-10	-10.68	-11.69	-12.73
150	-26.35	-27.74	-17.26	-12.97	-10.76	-9.66	-9.12	-8.75	-8.35	-7.92	-7.55	-7.26	-7.01	-6.76	-6.56	-6.52	-6.73	-7.31	-8.33	-9.84	-11.8	-13.87	-15.25	-15.61	-15.82	-16.66	-17.8	-17.3	-14.9	-12.72	-11.47	-11.11	-11.47	-12.31	-13.32	-14.12
155	-18.12	-21.63	-19.58	-15.58	-12.97	-11.39	-10.41	-9.72	-9.13	-8.61	-8.14	-7.79	-7.62	-7.6	-7.73	-8.02	-8.45	-9.04	-9.79	-10.73	-11.89	-13.28	-14.72	-15.8	-16.52	-17.39	-19.24	-23.06	-28.95	-25.49	-20.91	-18.01	-16.32	-15.48	-15.26	-15.47
160	-13.24	-14.9	-17.23	-19.61	-19.89	-17.67	-15.04	-12.81	-11.02	-9.65	-8.65	-7.99	-7.64	-7.57	-7.75	-8.16	-8.8	-9.67	-10.8	-12.22	-14.06	-16.49	-19.92	-25.5	-41.43	-30	-24	-21.4	-20.5	-20.79	-22.27	-24.99	-29.43	-33.51	-31.7	-30.06
165	-11.6	-12.28	-13.62	-15.86	-19.74	-27.82	-26.68	-18.62	-14.42	-11.8	-9.94	-8.7	-7.91	-7.5	-7.43	-7.68	-8.26	-9.19	-10.52	-12.31	-14.69	-17.99	-22.09	-24.84	-23.06	-20.74	-19.5	-19.2	-19.9	-21.59	-24.62	-29.09	-29.84	-25.67	-22.75	-21.19
170	-12.89	-13.26	-14.12	-15.6	-18.02	-22.16	-31.38	-28.6	-20.65	-16.6	-14.1	-12.4	-11.3	-10.6	-10.3	-10.41	-10.82	-11.57	-12.7	-14.24	-16.22	-18.6	-21	-22.36	-22.04	-21.06	-20.4	-20.2	-20.7	-21.86	-23.74	-26.24	-28.13	-27.19	-24.75	-22.61
175	-17.31	-17.6	-18.2	-19.17	-20.6	-22.65	-25.64	-30.33	-36.33	-32	-27.1	-24.2	-22.3	-21.2	-20.6	-20.39	-20.6	-21.18	-22.15	-23.5	-25.22	-27.15	-28.77	-29.28	-28.66	-27.73	-27.1	-26.8	-27.2	-28.13	-29.95	-33.12	-38.73	-39.91	-32.92	-28.43
180	-23.68	-23.06	-22.54	-22.11	-21.76	-21.49	-21.29	-21.16	-21.09	-21.1	-21.2	-21.3	-21.5	-21.8	-22.1	-22.52	-23.04	-23.65	-24.38	-25.25	-26.27	-27.49	-28.97	-30.77	-33	-35.67	-38.2	-38.2	-35.8	-33.09	-30.85	-29.03	-27.54	-26.31	-25.28	-24.41

EV - 5240 MHz

Azimuth (Phi°) — Elevation (Theta°)

Elevation (Theta°)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
-180	-24.4	-25.3	-26.3	-27.5	-29	-30.8	-33	-35.7	-38.2	-38.2	-35.8	-33.1	-30.9	-29	-27.5	-26.3	-25.3	-24.4	-23.7	-23.1	-22.5	-22.1	-21.8	-21.5	-21.3	-21.2	-21.1	-21.1	-21.2	-21.3	-21.5	-21.8	-22.1	-22.5	-23	-23.7
-175	-14.1	-14.3	-14.7	-15.2	-15.9	-16.7	-17.7	-19	-20.6	-22.7	-25.4	-28.4	-30.4	-28	-24.7	-22.1	-20	-18.5	-17.2	-16.2	-15.3	-14.7	-14.1	-13.7	-13.4	-13.2	-13.1	-13.1	-13.2	-13.5	-14	-14.6	-15.4	-16.5	-17.9	-19.8
-170	-8.21	-8.63	-9.18	-9.83	-10.6	-11.5	-12.5	-13.7	-15.2	-17	-19.1	-21.1	-21.7	-20	-17.6	-15.5	-13.8	-12.4	-11.3	-10.5	-9.84	-9.3	-8.85	-8.45	-8.07	-7.72	-7.4	-7.12	-6.92	-6.83	-6.87	-7.07	-7.46	-8.08	-8.96	-10.1
-165	-6.64	-7.15	-7.79	-8.53	-9.38	-10.3	-11.4	-12.6	-14.1	-16	-18.6	-21.6	-21.5	-17.9	-14.6	-12	-10.1	-8.64	-7.57	-6.79	-6.23	-5.83	-5.54	-5.29	-5.05	-4.78	-4.48	-4.15	-3.84	-3.58	-3.44	-3.44	-3.62	-4.02	-4.66	-5.56
-160	-7.82	-8.43	-9.27	-10.3	-11.4	-12.5	-13.5	-14.4	-15.5	-17.1	-19.9	-25.9	-35.9	-21.1	-15.5	-12.1	-9.75	-8.05	-6.81	-5.88	-5.18	-4.64	-4.23	-3.93	-3.71	-3.55	-3.41	-3.27	-3.1	-2.91	-2.73	-2.62	-2.63	-2.81	-3.21	-3.83
-155	-10.1	-11.3	-13.1	-15.1	-16.8	-17.3	-16.7	-15.6	-14.9	-14.9	-15.6	-17.6	-21.3	-26.9	-23.2	-17.7	-14.3	-11.8	-9.95	-8.32	-6.85	-5.52	-4.39	-3.51	-2.91	-2.61	-2.58	-2.79	-3.14	-3.46	-3.55	-3.35	-2.97	-2.63	-2.5	-2.64
-150	-12.2	-15.2	-19.1	-20.8	-18.5	-16	-14.3	-13.1	-12.5	-12.5	-13.1	-14.3	-16.2	-18.7	-22.1	-26.8	-29.9	-23.4	-17.5	-13	-9.55	-6.87	-4.83	-3.35	-2.36	-1.84	-1.76	-2.13	-2.91	-3.88	-4.48	-4.11	-3.04	-2.01	-1.38	-1.18
-145	-14.9	-21.5	-24.5	-18.3	-15.1	-13.6	-12.9	-12.6	-12.8	-13.3	-14.3	-16.3	-16.6	-16.4	-15.4	-15.3	-14.1	-12.8	-11.4	-9.64	-7.72	-5.92	-4.39	-3.26	-2.62	-2.51	-2.92	-3.82	-4.81	-5.45	-5.2	-3.91	-2.49	-1.48	-0.93	-0.63
-140	-19.5	-46.1	-21.3	-16.7	-14.9	-14.5	-14.9	-15.7	-17.1	-18.8	-20.5	-21.1	-20.2	-18.1	-15.4	-12.9	-10.8	-9.15	-7.75	-6.39	-5.06	-3.85	-2.91	-2.34	-2.2	-2.42	-2.83	-3.2	-3.51	-3.9	-4.12	-3.47	-2	-0.63	0.15	0.41
-135	-33.1	-21.7	-17.3	-16	-16.1	-17.1	-19.1	-22.2	-27	-36.2	-28.2	-22.4	-20.4	-23.4	-17.8	-13.7	-10.8	-8.84	-7.43	-6.24	-5.02	-3.73	-2.49	-1.51	-0.98	-1.1	-2	-3.07	-4.45	-4.82	-4.37	-3.87	-3.06	-1.7	-0.37	0.44	0.78
-130	-19.7	-16	-14.6	-14.4	-14.7	-15.3	-16.3	-17.9	-20	-22.6	-24.7	-22.9	-18.2	-14.1	-11.1	-8.88	-7.38	-6.35	-5.5	-4.56	-3.4	-2.13	-0.98	-0.16	0.09	-0.47	-2.06	-4.52	-6.07	-5.16	-3.79	-2.65	-1.6	-0.23	0.51	0.93
-125	-13.3	-12.9	-12.8	-12.3	-11.8	-11.7	-12.4	-13.7	-15.2	-15.9	-14.1	-12	-9.98	-8.39	-7.2	-6.38	-5.81	-5.32	-4.69	-3.76	-2.6	-1.43	-0.46	0.08	-0.14	-1.43	-3.98	-6.47	-5.61	-3.54	-2.11	-1.08	-0.32	0.18	0.64	[illegible]
-120	-11	-11.5	-11.4	-10.4	-9.55	-9.52	-10.1	-11	-11.6	-11.8	-11.3	-10	-8.63	-7.31	-6.26	-5.57	-5.23	-5.16	-5.15	-4.9	-4.24	-3.3	-2.36	-1.56	-1.04	-1.08	-2.06	-4.25	-6.5	-5.46	-3.15	-1.67	-0.93	-0.63	-0.49	-0.04
-115	-10.5	-11	-10.2	-8.93	-8.26	-8.31	-8.73	-9.2	-9.56	-9.78	-9.74	-9.17	-8.07	-6.74	-5.5	-4.57	-4.08	-4.01	-4.18	-4.24	-3.9	-3.3	-2.8	-2.58	-2.62	-2.99	-4	-5.87	-7.05	-5.21	-2.89	-1.53	-1	-1.01	-1.15	-0.89
-110	-9.89	-10.3	-9.25	-8.11	-7.64	-7.64	-7.83	-8.16	-8.65	-9.29	-9.98	-10.1	-9.14	-7.42	-5.8	-4.41	-2.92	-2.42	-2.39	-2.49	-2.42	-2.26	-2.31	-2.79	-3.73	-5.13	-7.04	-8.93	-7.95	-4.95	-2.74	-1.63	-1.29	-1.4	-1.7	-1.85
-105	-7.76	-8.37	-8.18	-7.59	-7.17	-6.95	-6.94	-7.24	-7.86	-8.76	-9.9	-10.6	-9.6	-7.47	-5.18	-3.16	-1.65	-0.77	-0.48	-0.52	-0.6	-0.75	-1.26	-2.33	-4.11	-6.73	-10.2	-11.1	-7.35	-4.18	-2.45	-1.82	-1.84	-2.07	-2.42	-3
-100	-5.11	-5.53	-6.24	-6.65	-6.39	-5.87	-5.66	-5.93	-6.52	-7.26	-8.09	-8.71	-8.31	-6.61	-4.43	-2.38	-0.73	0.33	0.8	0.89	0.83	0.59	-0.09	-1.45	-3.62	-6.66	-9.66	-8.6	-5.27	-2.97	-1.99	-2.05	-2.6	-3.01	-3.32	-4.18
-95	-3.26	-3.2	-4.02	-5.12	-5.32	-4.71	-4.34	-4.51	-4.91	-5.22	-5.43	-5.8	-6.21	-5.84	-4.34	-2.43	-0.72	0.49	1.17	1.5	1.65	1.53	0.85	-0.52	-2.54	-4.86	-6.4	-5.58	-3.47	-1.94	-1.55	-2.16	-3.11	-3.5	-3.67	-4.56
-90	-2.6	-1.99	-2.43	-3.52	-4.16	-3.84	-3.45	-3.46	-3.58	-3.42	-3.12	-3.2	-3.89	-4.72	-4.59	-3.25	-1.53	-0.1	0.87	1.52	1.95	1.97	1.31	-0.11	-1.96	-3.61	-4.4	-3.81	-2.37	-1.31	-1.23	-2.04	-2.97	-3.21	-3.32	-4.05
-85	-3.02	-1.85	-1.71	-2.37	-3.09	-3.21	-3.03	-2.93	-2.73	-2.18	-1.51	-1.26	-1.71	-2.71	-3.5	-3.22	-1.98	-0.58	0.52	1.32	1.86	1.92	1.22	-0.31	-2.24	-3.63	-3.85	-3.02	-1.83	-1.09	-1.18	-1.9	-2.58	-2.8	-3.01	-3.64
-80	-4.05	-2.39	-1.71	-1.81	-2.23	-2.54	-2.66	-2.62	-2.24	-1.41	-0.46	0.14	0.12	-0.41	-1.05	-1.23	-0.81	-0.03	0.68	1.21	1.55	1.52	0.77	-0.83	-2.86	-4.1	-3.77	-2.67	-1.68	-1.25	-1.43	-1.9	-2.27	-2.53	-3.04	-3.95
-75	-4.44	-2.78	-1.87	-1.58	-1.56	-1.65	-1.8	-1.87	-1.53	-0.68	0.4	1.24	1.6	1.5	1.18	0.94	0.93	1.07	1.15	1.14	1.09	0.89	0.18	-1.23	-2.98	-3.87	-3.38	-2.44	-1.79	-1.62	-1.77	-1.94	-2.05	-2.41	-3.35	-4.87
-70	-3.35	-2.1	-1.36	-1.1	-0.84	-0.54	-0.39	-0.35	-0.13	0.49	1.38	2.2	2.66	2.73	2.53	2.25	1.99	1.68	1.22	0.64	0.16	-0.12	-0.52	-1.32	-2.28	-2.78	-2.67	-2.33	-2.11	-2.13	-2.24	-2.21	-2.15	-2.55	-3.73	-5.45
-65	-1.98	-0.86	-0.21	-0.1	0.07	0.53	0.99	1.27	1.49	1.85	2.37	2.87	3.16	3.14	2.87	2.45	1.93	1.23	0.27	-0.83	-1.57	-1.57	-1.28	-1.2	-1.38	-1.68	-2.05	-2.45	-2.81	-3.15	-3.37	-3.19	-2.82	-2.9	-3.7	-4.66
-60	-1.43	-0.08	0.77	0.95	0.99	1.35	1.88	2.33	2.61	2.81	2.98	3.08	3.01	2.71	2.19	1.49	0.6	-0.55	-2.03	-3.49	-3.91	-3.03	-1.93	-1.24	-1.04	-1.3	-2.05	-3.17	-4.32	-5.22	-5.55	-4.9	-3.8	-3.19	-3.23	-3.42
-55	-2.01	-0.23	1.01	1.45	1.54	1.75	2.19	2.65	2.96	3.07	3	2.73	2.25	1.51	0.53	-0.68	-2.16	-3.94	-5.86	-6.81	-5.77	-3.99	-2.62	-1.86	-1.67	-2.12	-3.32	-5.23	-7.33	-8.6	-8.26	-6.52	-4.69	-3.61	-3.29	-3.29
-50	-3.7	-1.43	0.25	1.08	1.4	1.61	1.94	2.31	2.58	2.62	2.39	1.84	0.96	-0.27	-1.87	-3.86	-6.17	-8.4	-9.27	-8.03	-6.12	-4.59	-3.66	-3.31	-3.57	-4.62	-6.69	-9.73	-12.1	-11.4	-9.36	-7.3	-5.65	-4.76	-4.62	-4.87
-45	-5.74	-3.42	-1.4	-0.19	0.45	0.83	1.16	1.48	1.69	1.68	1.37	0.71	-0.31	-1.71	-3.45	-5.34	-6.92	-7.5	-7.07	-6.25	-5.55	-5.17	-5.21	-5.76	-7	-9.22	-12.4	-14.1	-12.1	-10.1	-8.85	-7.9	-7.13	-6.85	-7.17	-7.67
-40	-5.96	-4.65	-2.92	-1.62	-0.81	-0.28	0.13	0.48	0.72	0.78	0.59	0.13	-0.58	-1.5	-2.52	-3.45	-4.1	-4.43	-4.59	-4.79	-5.19	-5.87	-6.9	-8.36	-10.2	-12	-12.1	-10.7	-9.51	-9.04	-9.11	-9.25	-9.24	-9.3	-9.49	-9.35
-35	-4.59	-3.96	-2.9	-1.93	-1.25	-0.81	-0.48	-0.19	0.05	0.19	0.18	-0.01	-0.39	-0.92	-1.54	-2.17	-2.74	-3.27	-3.83	-4.52	-5.39	-6.48	-7.72	-8.99	-9.98	-10.4	-10.2	-9.9	-9.95	-10.5	-11.3	-11.7	-11.2	-10.4	-9.45	-8.62
-30	-3.8	-3.12	-2.24	-1.45	-0.88	-0.54	-0.36	-0.26	-0.22	-0.22	-0.29	-0.48	-0.79	-1.23	-1.77	-2.38	-3.03	-3.74	-4.53	-5.41	-6.41	-7.48	-8.56	-9.57	-10.5	-11.3	-12.1	-13	-14.1	-15.1	-15.1	-13.5	-11.4	-9.66	-8.5	-7.87
-25	-4.15	-3.23	-2.28	-1.46	-0.85	-0.46	-0.28	-0.27	-0.38	-0.58	-0.87	-1.25	-1.73	-2.32	-3.01	-3.8	-4.7	-5.69	-6.77	-7.93	-9.15	-10.4	-11.7	-13	-14.6	-16.6	-19	-21.3	-21	-18	-14.9	-12.4	-10.6	-9.39	-8.69	-8.48
-20	-5.62	-4.51	-3.46	-2.57	-1.89	-1.42	-1.16	-1.1	-1.22	-1.49	-1.92	-2.49	-3.2	-4.06	-5.07	-6.23	-7.54	-9	-10.6	-12.2	-13.9	-15.7	-17.5	-19.6	-21.6	-22.7	-21.6	-19.1	-16.8	-14.8	-13.3	-12.1	-11.3	-10.8	-10.6	-10.6
-15	-8.11	-7.09	-6.1	-5.23	-4.53	-4.02	-3.71	-3.59	-3.67	-3.92	-4.37	-4.98	-5.78	-6.74	-7.86	-9.1	-10.4	-11.7	-12.9	-14	-14.8	-15.4	-15.9	-16.3	-16.5	-16.4	-16.1	-15.7	-15.2	-14.7	-14.3	-14	-13.6	-13.2	-12.6	-11.8
-10	-9.97	-9.75	-9.45	-9.09	-8.74	-8.45	-8.25	-8.16	-8.21	-8.38	-8.69	-9.1	-9.61	-10.2	-10.8	-11.3	-11.8	-12.2	-12.5	-12.8	-13.1	-13.4	-13.8	-14.3	-14.8	-15.4	-16	-16.5	-16.8	-16.7	-16	-14.9	-13.6	-12.1	-10.7	-9.4
-5	-8.4	-8.34	-8.34	-8.36	-8.42	-8.5	-8.6	-8.71	-8.84	-8.98	-9.14	-9.3	-9.49	-9.69	-9.91	-10.2	-10.5	-10.8	-11.2	-11.7	-12.3	-13	-13.8	-14.8	-15.8	-16.7	-17.4	-17.4	-16.5	-15.1	-13.6	-12	-10.7	-9.4	-8.31	-7.35
0	-6.59	-6.17	-5.83	-5.55	-5.33	-5.18	-5.09	-5.06	-5.09	-5.19	-5.34	-5.55	-5.84	-6.18	-6.61	-7.11	-7.69	-8.37	-9.14	-10	-11	-12.1	-13.2	-14.2	-15	-15.3	-15	-14.2	-13.2	-12	-11	-9.99	-9.12	-8.35	-7.68	-7.09
5	-6.54	-5.84	-5.26	-4.78	-4.4	-4.12	-3.93	-3.82	-3.79	-3.84	-3.96	-4.15	-4.41	-4.75	-5.16	-5.65	-6.23	-6.89	-7.66	-8.52	-9.47	-10.5	-11.5	-12.4	-13.1	-13.3	-13	-12.5	-11.8	-11	-10.4	-9.79	-9.33	-8.97	-8.7	-8.51
10	-8.26	-7.29	-6.49	-5.85	-5.36	-5.02	-4.8	-4.69	-4.67	-4.71	-4.81	-4.93	-5.08	-5.25	-5.45	-5.71	-6.04	-6.47	-7.03	-7.75	-8.64	-9.72	-11	-12.3	-13.4	-14.1	-13.9	-13.3	-12.4	-11.6	-11	-10.6	-10.3	-10.2	-10.2	-10.1
15	-10.9	-9.88	-8.96	-8.18	-7.57	-7.15	-6.92	-6.84	-6.86	-6.94	-7	-7.01	-6.96	-6.88	-6.81	-6.82	-6.96	-7.27	-7.8	-8.61	-9.75	-11.3	-13.3	-15.9	-18.5	-19.1	-17.2	-14.9	-13.2	-12	-11.3	-10.8	-10.5	-10.2	-9.72	-9.02
20	-10.8	-10.9	-10.8	-10.4	-9.97	-9.58	-9.38	-9.43	-9.67	-10	-10.3	-10.3	-10.1	-9.77	-9.41	-9.16	-9.11	-9.34	-9.93	-11	-12.7	-15.3	-19.4	-25.2	-23.1	-18	-14.9	-12.9	-11.7	-10.8	-10.2	-9.59	-9.02	-8.38	-7.61	-6.69
25	-8.73	-9.34	-10.1	-10.8	-11.2	-11.3	-11.6	-12.1	-12.9	-13.8	-14.2	-13.8	-12.7	-11.5	-10.5	-9.84	-9.47	-9.47	-9.88	-10.8	-12.5	-15.3	-19.6	-21.5	-17	-13.5	-11.3	-10.1	-9.39	-9	-8.53	-7.81	-6.97	-6.19	-5.54	-4.91
30	-7.74	-8.07	-8.8	-9.83	-11	-12.3	-13.7	-14.9	-15.4	-14.7	-13.4	-12	-10.8	-9.93	-9.26	-8.86	-8.75	-8.95	-9.49	-10.4	-12	-14.8	-20.3	-31.1	-18.1	-12.8	-10	-8.52	-7.85	-7.58	-7.17	-6.33	-5.35	-4.62	-4.27	-4.12
35	-8	-7.76	-8.05	-8.91	-10.4	-12.6	-15.8	-17.9	-15.5	-12.5	-10.7	-9.93	-10	-10.5	-11	-11.2	-11.4	-12.1	-13.2	-14.5	-15.5	-16.2	-17.1	-17.2	-14.7	-11.4	-9.03	-7.56	-6.86	-6.58	-6.16	-5.32	-4.4	-3.89	-3.98	-4.44
40	-8.71	-8.11	-7.98	-8.42	-9.44	-11.4	-15.4	-25.8	-19.1	-12.9	-10.5	-10	-11.2	-14.2	-17.7	-16.6	-14.5	-14.4	-17.3	-26.4	-22.5	-15.6	-12.6	-10.9	-9.43	-8.03	-6.94	-6.3	-6.03	-5.86	-5.47	-4.76	-4.07	-3.91	-4.52	-5.64
45	-7.87	-7.93	-8.15	-8.32	-8.29	-8.71	-10.5	-14.3	-17.3	-13.7	-11.1	-10.6	-12.4	-17.4	-20.3	-13.6	-10.6	-10.3	-12.5	-19	-31.2	-16.9	-12.9	-10.5	-8.34	-6.53	-5.51	-5.29	-5.46	-5.49	-5.18	-4.65	-4.18	-4.21	-5.08	-6.31
50	-5.24	-5.99	-7.32	-8.14	-7.29	-6.33	-6.55	-8.05	-9.9	-10.1	-9.01	-8.66	-9.85	-13.5	-18.7	-14	-10.5	-10.2	-12.8	-19.3	-18.1	-13.8	-13.1	-13.5	-11	-7.56	-5.67	-5.2	-5.41	-5.46	-5.18	-4.74	-4.14	-3.81	-4.26	-4.87
55	-3.45	-4.19	-5.91	-7.55	-6.68	-5.13	-4.87	-6.18	-8.7	-10.5	-9.23	-7.67	-7.47	-9.28	-14.6	-25.5	-15.7	-13.9	-17.6	-21.3	-13.1	-10	-10.1	-13.5	-16.5	-10.3	-6.84	-5.79	-5.75	-5.55	-5.1	-4.46	-3.36	-2.46	-2.49	-2.9
60	-3.41	-3.78	-5.12	-6.73	-6.35	-4.93	-4.58	-5.94	-9.6	-17.7	-15.4	-9.26	-6.94	-7.05	-9.74	-16.6	-21	-16.6	-19.7	-27.5	-14.6	-11	-10.8	-14.4	-21	-11.8	-7.61	-6.39	-6.22	-5.67	-4.83	-3.82	-2.39	-1.32	-1.32	-1.89
65	-4.78	-4.51	-4.93	-5.94	-6.18	-5.28	-4.7	-5.28	-7.41	-12	-18.1	-12	-8.01	-6.94	-8.35	-12.6	-17.6	-15.8	-16.5	-21.3	-19.5	-16.6	-18.1	-26.9	-16.7	-9.82	-7.02	-6.58	-6.96	-6.22	-4.78	-3.39	-1.96	-1.1	-1.35	-2.19
70	-6.22	-5.52	-5.05	-5.5	-6.16	-5.97	-5.3	-5.14	-6.07	-8.61	-13.5	-15.3	-10.8	-8.83	-9.67	-13.8	-20.1	-17.2	-16.2	-16.8	-15.8	-16.1	-20	-17.4	-10.7	-7.09	-5.7	-6.32	-8.05	-7.59	-5.24	-3.38	-2.2	-1.87	-2.61	-3.7
75	-5.97	-5.64	-5.05	-5.27	-6.09	-6.62	-6.51	-6.46	-7.32	-9.99	-16.5	-21.6	-13.3	-11	-11.9	-16.9	-27.1	-21.2	-21.9	-21.2	-16.1	-15.5	-18.8	-14.6	-8.75	-5.74	-4.85	-6.1	-9.43	-9.68	-5.88	-3.63	-2.94	-3.45	-4.85	-5.69
80	-4.72	-4.67	-4.38	-4.69	-5.65	-6.77	-7.61	-8.36	-9.94	-14.1	-30.2	-17	-12	-11.2	-13.6	-21	-28	-22.1	-26.5	-17.8	-12.9	-13	-20.2	-19.1	-9.55	-6.01	-5.11	-6.67	-11.4	-11.2	-6.02	-3.86	-3.9	-5.4	-6.97	-6.24
85	-4.24	-4.12	-3.75	-3.96	-5.02	-6.83	-8.73	-9.98	-11.8	-17.1	-22.1	-13.4	-10.8	-11.7	-16.4	-31.4	-18.5	-17.1	-20.2	-14.1	-9.94	-9.61	-13.2	-17.8	-11	-7.29	-6.44	-8.39	-14	-10.5	-5.45	-3.89	-4.7	-6.83	-7.31	-5.13
90	-4.98	-4.85	-3.98	-3.67	-4.6	-7.14	-10.8	-12.1	-12.3	-15.8	-18.9	-13.2	-11.2	-12.9	-19.9	-19.8	-13.2	-12.6	-17.9	-20.1	-12.1	-10.5	-12.2	-14.4	-9.36	-8.4	-11.2	-14.9	-8.63	-4.77	-3.9	-5.27	-7.42	-6.67	-4.25	[illegible]
95	-6.09	-6.41	-5.01	-3.95	-4.37	-6.96	-12.6	-15.3	-12.4	-13.2	-15.6	-14.1	-12.9	-14.5	-20.6	-18.3	-12	-10.3	-12.5	-20.4	-21.2	-17.5	-16.1	-11.9	-9.17	-8.74	-10.4	-14.2	-13	-7.45	-4.71	-4.45	-6.16	-7.94	-6.5	-4.36
100	-5.73	-6.78	-5.85	-4.42	-4.17	-5.94	-10.8	-17.8	-13.4	-11.8	-12.7	-14	-15	-16.2	-20.3	-29	-15.2	-11.1	-10.7	-12.7	-15.9	-24.5	-20.2	-11.6	-8.86	-9.33	-12.6	-16.2	-11.7	-7.68	-5.98	-6.28	-8.03	-8.74	-6.97	-5.48
105	-3.81	-4.56	-4.81	-4.34	-3.96	-4.78	-7.62	-12.7	-14.5	-12.4	-12.4	-14.5	-18.2	-18.9	-18	-20	-17.7	-13.3	-11.8	-12.3	-14.5	-22	-21.7	-12.4	-10	-11.5	-16.8	-16.5	-11.5	-9.56	-9.42	-10.3	-10.8	-9.46	-7.82	-7.27
110	-1.74	-1.81	-2.44	-3.34	-3.97	-5.13	-7.77	-11.4	-13.7	-14.5	-16.7	-23.3	-20.3	-18.8	-15	-12.9	-11.8	-11.8	-12.6	-14.2	-16.6	-15.6	-12.3	-11.7	-15.5	-31	-15.5	-12.1	-12.9	-17.1	-16.9	-12.2	-9.65	-8.7	-8.92	[illegible]
115	-0.2	0.14	-0.51	-2.09	-3.44	-3.51	-3.56	-4.87	-7.94	-13.1	-17.8	-16.5	-16.2	-19.6	-26.3	-17	-12.8	-11.5	-11.6	-11.7	-11.1	-10.4	-9.8	-9.75	-11.4	-16.8	-21.2	-14.1	-12.7	-16.1	-29.4	-15.7	-11.1	-9.54	-9.32	-9.71
120	0.74	1.15	0.55	-1.16	-3.03	-3.26	-2.79	-3.4	-5.78	-10.6	-18.1	-15.5	-12.7	-13.7	-19.5	-32.8	-18.5	-16.1	-15.4	-13	-10.4	-8.9	-8.59	-9.58	-12.6	-18.2	-16.4	-12.8	-12.9	-16.6	-17.9	-12.7	-10.2	-9.79	-10.2	-10.6
125	1.21	1.51	1	-0.51	-2.37	-3	-2.59	-2.84	-4.53	-8.03	-13.4	-14.8	-12.2	-11.7	-13.5	-16.5	-19.6	-25.9	-27.3	-16.2	-12.1	-10.6	-11	-13.7	-21	-20.6	-13.6	-11.6	-12.8	-16.4	-15.7	-11.8	-10.3	-10.9	-12.6	-13.6
130	1.28	1.49	1.18	0.13	-1.37	-2.39	-2.57	-2.81	-3.9	-6.05	-8.9	-10.6	-10.1	-9.47	-9.72	-10.8	-12.6	-15.6	-18.9	-17.9	-15.7	-15.5	-18	-25.5	-20.3	-13.9	-11.3	-11.3	-13.7	-17.9	-15.2	-11.5	-10.4	-11.6	-15.4	-21.9
135	0.99	1.21	1.19	0.69	-0.26	-1.34	-2.19	-2.9	-3.83	-5.18	-6.65	-7.54	-7.61	-7.54	-7.96	-9.15	-11.3	-14.6	-19.4	-24.6	-28.3	-28.3	-33.5	-23.4	-16.9	-13.3	-11.6	-11.5	-13.4	-18.4	-20	-13.5	-10.3	-9.34	-10.2	-12.9	-18.6
140	0.51	0.72	0.95	0.92	0.49	-0.29	-1.33	-2.51	-3.82	-5.2	-6.43	-7.19	-7.52	-7.92	-8.91	-10.9	-14.4	-20.8	-29.8	-22.1	-18.6	-16.7	-14.9	-13.4	-12.6	-13	-15.1	-21.2	-26.6	-15.3	-10.8	-8.68	-7.98	-8.45	-10.1	-13.3
145	-0.12	-0.01	0.24	0.45	0.41	0.02	-0.75	-1.87	-3.33	-5.06	-6.88	-8.51	-9.83	-11.2	-13.3	-17.2	-24.6	-22.6	-16.7	-13.9	-12.6	-12.2	-12.2	-12.7	-13.7	-15.9	-20.8	-28.4	-18.2	-12.9	-9.98	-8.38	-7.75	-7.95	-9.03	-11.2
150	-1.24	-1.33	-1.27	-1.09	-0.96	-1.04	-1.43	-2.18	-3.33	-4.87	-6.82	-9.14	-11.8	-15	-18.8	-21.9	-20	-16.6	-14.5	-13.3	-12.9	-13	-13.5	-14.3	-15.5	-17.5	-21	-24.6	-20.3	-15.5	-12.4	-10.4	-9.22	-8.8	-9.11	-10.2
155	-3	-3.45	-3.81	-3.94	-3.88	-3.79	-3.83	-4.14	-4.8	-5.84	-7.29	-9.18	-11.5	-14.2	-16.8	-18.4	-18.9	-18.9	-19.3	-20.3	-21.6	-21.5	-19.6	-17.5	-16.1	-15.4	-15.5	-16.2	-16.8	-16.2	-14.3	-12.2	-10.6	-9.57	-9.17	-9.34
160	-4.68	-5.69	-6.72	-7.52	-7.88	-7.82	-7.6	-7.48	-7.63	-8.12	-9.02	-10.3	-12.1	-14.4	-17.2	-20.3	-23.2	-24.8	-24.3	-22.5	-19.9	-17.4	-15.2	-13.4	-12.1	-11.1	-10.4	-9.94	-9.56	-9.18	-8.75	-8.27	-7.82	-7.49	-7.36	-7.46
165	-6.72	-8.14	-9.72	-11.2	-12.2	-12.3	-11.9	-11.4	-11.1	-11.3	-11.8	-12.9	-14.6	-17	-20.4	-23.9	-24.2	-20.2	-17.6	-15.8	-14.6	-13.6	-12.7	-11.9	-11.1	-10.2	-9.31	-8.49	-7.75	-7.13	-6.63	-6.27	-6.04	-5.97	-6.04	-6.27
170	-11.6	-13.5	-15.7	-17.9	-19	-18.5	-17.3	-16.3	-15.7	-15.6	-16.1	-17.1	-18.8	-21.4	-25.3	-28.8	-26.2	-22.4	-19.9	-18.3	-17.2	-16.5	-15.8	-15.1	-14.3	-13.3	-12.2	-11.1	-10.1	-9.28	-8.63	-8.15	-7.85	-7.72	-7.74	-7.9
175	-22.4	-26.1	-32.3	-42.6	-32.1	-27.2	-24.6	-23.1	-22.3	-22.1	-22.3	-23	-24.2	-26	-28.6	-32.5	-39.7	-48.4	-37.1	-32.6	-30	-28.1	-26.4	-24.8	-23.2	-21.6	-20	-18.7	-17.5	-16.5	-15.7	-15	-14.5	-14.2	-14	-14
180	-24.4	-25.3	-26.3	-27.5	-29	-30.8	-33	-35.7	-38.2	-38.2	-35.8	-33.1	-30.9	-29	-27.5	-26.3	-25.3	-24.4	-23.7	-23.1	-22.5	-22.1	-21.8	-21.5	-21.3	-21.2	-21.1	-21.1	-21.2	-21.3	-21.5	-21.8	-22.1	-22.5	-23	-23.7

ANT1 (5G4) @5240 MHz



EH - 5320 MHz

Azimuth (Phi°) — Elevation (Theta°)

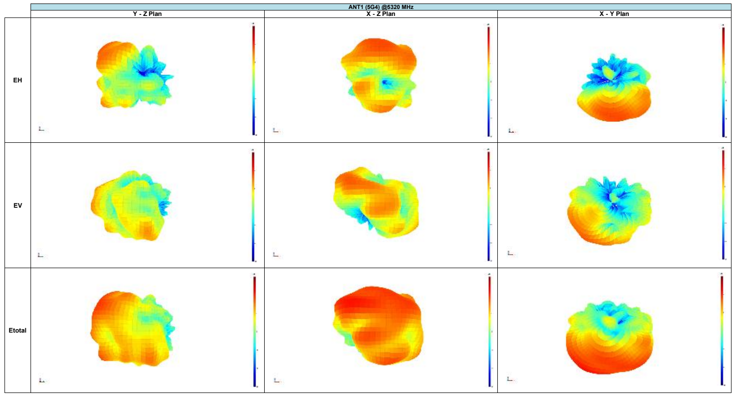
Elevation (Theta°)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
-180	-23.41	-23.19	-23.03	-22.93	-22.89	-22.91	-22.99	-23.13	-23.33	-23.6	-23.9	-24.3	-24.8	-25.4	-26.1	-26.79	-27.64	-28.59	-29.62	-30.7	-31.74	-32.56	-32.94	-32.73	-32.03	-31.04	-30	-28.9	-27.9	-27.05	-26.27	-25.59	-24.99	-24.49	-24.06	-23.7
-175	-26.98	-25.41	-23.96	-22.6	-21.33	-20.16	-19.1	-18.16	-17.35	-16.7	-16.2	-15.8	-15.6	-15.6	-15.7	-16.02	-16.53	-17.24	-18.18	-19.38	-20.92	-22.88	-25.46	-28.87	-32.36	-31.32	-27.5	-24.3	-21.9	-20.07	-18.62	-17.49	-16.64	-16.03	-15.65	-15.52
-170	-20.44	-20.69	-21.21	-21.54	-20.99	-19.37	-17.3	-15.29	-13.55	-12.1	-11	-10.2	-9.58	-9.26	-9.18	-9.35	-9.75	-10.4	-11.3	-12.47	-13.93	-15.72	-17.96	-20.84	-24.89	-31.16	-31.8	-25.2	-21	-18.06	-15.85	-14.16	-12.86	-11.9	-11.27	-10.95
-165	-20.82	-22.87	-27.07	-33.05	-25.84	-19.86	-16.12	-13.28	-11.07	-9.31	-7.92	-6.85	-6.08	-5.6	-5.39	-5.45	-5.78	-6.37	-7.23	-8.35	-9.74	-11.42	-13.43	-15.87	-19	-23.47	-30.9	-28.7	-21.9	-17.81	-14.98	-12.92	-11.42	-10.38	-9.76	-9.51
-160	-33.96	-24.91	-20.15	-17.04	-14.82	-13.1	-11.63	-10.27	-8.95	-7.7	-6.58	-5.65	-4.93	-4.46	-4.23	-4.3	-4.59	-5.13	-5.88	-6.84	-7.98	-9.35	-10.99	-13.05	-15.73	-19.5	-25.8	-32.6	-23.1	-17.89	-14.61	-12.38	-10.9	-10.05	-9.78	-10.02
-155	-16.29	-14.21	-12.46	-11.16	-10.21	-9.56	-9.05	-8.56	-8.01	-7.41	-6.8	-6.26	-5.84	-5.58	-5.46	-5.48	-5.59	-5.73	-5.88	-6.05	-6.32	-6.83	-7.73	-9.18	-11.41	-14.74	-19.9	-27.4	-26.4	-19.91	-16.05	-13.44	-11.85	-10.84	-10.28	-11.68
-150	-13.3	-12.39	-11.5	-10.81	-10.37	-10.09	-9.83	-9.48	-9	-8.46	-7.96	-7.57	-7.31	-7.16	-7.03	-6.82	-6.51	-6.16	-5.79	-5.46	-5.25	-5.23	-5.5	-6.15	-7.25	-8.91	-11.1	-13.6	-15.9	-17.6	-18.2	-18.21	-18.45	-16.56	-14.48	-13.68	-14.63
-145	-14.41	-14.61	-14.58	-14.49	-14.28	-13.64	-12.42	-10.88	-9.33	-7.98	-6.87	-6.01	-5.36	-4.88	-4.53	-4.26	-4.02	-3.79	-3.57	-3.38	-3.31	-3.42	-3.81	-4.6	-5.85	-7.46	-8.92	-9.34	-8.84	-8.5	-9.05	-10.89	-14.3	-17.89	-17.41	-16.66
-140	-17.41	-18.96	-20.32	-20.86	-18.62	-14.96	-11.82	-9.47	-7.74	-6.44	-5.37	-4.41	-3.53	-2.76	-2.14	-1.68	-1.33	-1.09	-0.97	-1.03	-1.36	-2.01	-2.95	-4.07	-5.08	-5.6	-5.42	-4.74	-3.95	-3.41	-3.45	-4.34	-6.31	-9.21	-11.35	-10.94
-135	-19.65	-22.15	-23.43	-19.91	-15.3	-11.89	-9.63	-8.29	-7.59	-7.18	-6.55	-5.45	-4.07	-2.76	-1.68	-0.81	-0.09	0.53	1.02	1.26	1.12	0.46	-0.79	-2.58	-4.31	-4.71	-3.75	-2.59	-1.69	-1.08	-0.85	-1.28	-2.63	-4.9	-7.06	-7.15
-130	-17.95	-18.53	-16.65	-13.48	-10.81	-9.04	-8.2	-8.3	-9.21	-10.3	-9.75	-7.52	-5.14	-3.27	-1.89	-0.84	0.06	0.9	1.65	2.21	2.4	2.08	1.1	-0.63	-2.84	-4.13	-3.42	-2.18	-1.33	-0.74	-0.35	-0.44	-1.41	-3.39	-5.62	-6.04
-125	-14.37	-13.99	-12.01	-9.75	-8.11	-7.3	-7.39	-8.42	-10.14	-10.9	-9.01	-6.29	-4.12	-2.58	-1.52	-0.78	-0.16	0.46	1.11	1.7	2.09	2.1	1.58	0.37	-1.48	-3.27	-3.62	-2.92	-2.39	-2.01	-1.5	-1.21	-1.75	-3.41	-5.7	-6.61
-120	-12.06	-12.17	-10.52	-8.54	-7.12	-6.41	-6.39	-6.96	-7.74	-7.74	-6.36	-4.46	-2.83	-1.68	-0.98	-0.63	-0.46	-0.33	-0.13	0.15	0.45	0.64	0.58	0.12	-0.9	-2.35	-3.55	-3.96	-4.31	-3.86	-3.08	-2.98	-3.68	-5.12	-6.16	-7.79
-115	-11.48	-12.67	-11.44	-9.38	-7.69	-6.54	-5.95	-5.94	-6.39	-6.67	-5.86	-4.13	-2.41	-1.2	-0.58	-0.49	-0.75	-1.18	-1.57	-1.84	-2	-1.98	-1.67	-1.25	-1.2	-1.86	-3.09	-4.3	-5.19	-5.99	-6.12	-5.23	-4.49	-4.76	-6	-7.39
-110	-12.71	-14.94	-13.91	-11.66	-9.72	-8.21	-7.25	-7.06	-7.47	-8.48	-7.42	-4.7	-2.23	-0.62	0.1	0.05	-0.61	-1.63	-2.76	-3.7	-4.59	-5.29	-5.07	-3.74	-2.51	-2.22	-2.92	-4.08	-4.96	-5.55	-5.9	-5.65	-5.04	-4.83	-5.19	-5.61
-105	-14.88	-17.15	-16.7	-15.18	-13.51	-11.76	-10.4	-9.98	-10.71	-11.4	-8.72	-4.75	-1.71	0.19	1.07	1.01	0.14	-1.35	-3.17	-5.03	-6.9	-8.92	-9.72	-7.44	-4.82	-3.51	-3.45	-4.03	-4.42	-4.42	-4.35	-4.29	-4.48	-4.81	-4.67	[illegible]
-100	-15.38	-17.26	-19.46	-20.58	-20.11	-17.36	-14.57	-12.78	-11.9	-10.7	-7.87	-4.4	-1.48	0.52	1.57	1.69	0.9	-0.69	-2.95	-5.71	-8.95	-13.04	-15.45	-10.99	-7.1	-5.03	-4.24	-4.12	-4.07	-3.86	-3.66	-3.63	-3.93	-4.64	-5.38	-5.11
-95	-14.15	-14.41	-14.34	-13.92	-14.48	-16.91	-17.77	-13.29	-9.66	-7.39	-5.69	-3.93	-2	-0.25	0.93	1.33	0.89	-0.41	-2.58	-5.67	-9.93	-14.87	-13.82	-9.65	-6.84	-5.19	-4.33	-4.03	-3.97	-3.92	-4.05	-4.23	-4.4	-4.8	-5.68	-6.65
-90	-13.5	-11.69	-9.82	-8.77	-9.27	-12.08	-17.12	-17.21	-7.67	-5.01	-3.77	-3.35	-3.1	-2.39	-1.31	-0.51	-0.41	-1.12	-2.69	-5.11	-8.06	-9.47	-7.92	-5.94	-4.63	-3.89	-3.53	-3.48	-3.84	-4.64	-5.6	-6.21	-6.52	-7.08	-7.9	-8.2
-85	-14.42	-11.16	-8.61	-7.32	-7.56	-9.68	-13.61	-11.95	-7.07	-4.16	-2.84	-2.81	-3.8	-5.09	-5.15	-4.06	-3.2	-3.08	-3.63	-4.61	-5.4	-5.07	-3.84	-2.71	-2.13	-2.01	-2.16	-2.55	-3.36	-4.67	-6.49	-7.37	-7.4	-7.58	-8.36	-9.47
-80	-14.32	-11.51	-9.41	-8.27	-8.11	-8.86	-9.92	-9.15	-6.34	-3.79	-2.3	-1.98	-2.85	-4.86	-7.25	-7.93	-6.83	-5.62	-4.72	-4.05	-3.37	-2.4	-1.25	-0.36	0.01	-0.1	-0.53	-1.19	-2.25	-3.75	-5.28	-6.14	-6.51	-7.22	-8.72	-11.05
-75	-13.05	-11.74	-11.11	-10.89	-10.06	-8.36	-6.72	-5.44	-4.18	-2.78	-1.57	-0.97	-1.18	-2.27	-4.05	-5.8	-6.37	-5.54	-4.19	-2.93	-1.85	-0.79	0.27	1.1	1.48	1.41	0.98	0.3	-0.6	-1.71	-2.9	-4.07	-5.45	-7.46	-10.46	-14.82
-70	-14.08	-13.51	-13.98	-14.64	-11.49	-7.16	-4.22	-2.56	-1.72	-1.19	-0.64	-0.11	0.12	-0.12	-0.82	-1.71	-2.36	-2.41	-1.91	-1.18	-0.41	0.36	1.15	1.84	2.27	2.34	2.07	1.56	0.89	0.05	-1.11	-2.82	-5.37	-9.2	-15.31	-28.04
-65	-21.23	-20.76	-20.24	-16.21	-10.26	-5.68	-2.67	-0.9	-0.05	0.22	0.34	0.6	0.96	1.21	1.23	1.02	0.75	0.6	0.66	0.88	1.17	1.48	1.83	2.23	2.59	2.76	2.66	2.34	1.83	1.04	-0.3	-2.49	-5.87	-11	-18.14	-18.25
-60	-20.9	-22.08	-17.99	-12.49	-8.14	-4.76	-2.25	-0.56	0.38	0.77	0.88	1.01	1.33	1.74	2.12	2.36	2.46	2.5	2.55	2.59	2.59	2.54	2.5	2.54	2.67	2.77	2.76	2.6	2.2	1.41	0.06	-1.98	-4.74	-7.72	-9.98	-11.68
-55	-12.56	-13.33	-12.79	-9.99	-7.05	-4.73	-2.92	-1.51	-0.48	0.19	0.6	0.91	1.27	1.74	2.23	2.68	3.04	3.3	3.46	3.52	3.46	3.3	3.06	2.8	2.58	2.48	2.47	2.44	2.18	1.59	0.7	-0.46	-1.84	-3.53	-5.62	-8.28
-50	-10.95	-11.98	-12.41	-10.26	-7.51	-5.32	-3.79	-2.5	-1.95	-0.94	-0.06	0.69	1.31	1.85	2.35	2.8	3.18	3.48	3.68	3.77	3.76	3.62	3.33	2.89	2.38	2.02	1.93	1.98	1.94	1.77	1.5	1.03	0.16	-1.29	-3.5	-6.62
-45	-12.64	-14.41	-16.57	-13.7	-9.65	-6.95	-5.22	-3.94	-2.73	-1.47	-0.24	0.84	1.71	2.37	2.86	3.21	3.45	3.61	3.7	3.73	3.71	3.58	3.27	2.73	2.07	1.52	1.29	1.35	1.55	1.79	1.93	1.74	0.99	-0.48	-2.85	-6.3
-40	-16.09	-18.49	-28.72	-21.46	-13.25	-9.14	-6.55	-4.67	-3.08	-1.6	-0.23	0.95	1.91	2.63	3.14	3.46	3.63	3.69	3.67	3.6	3.48	3.26	2.88	2.31	1.61	0.98	0.63	0.69	1.04	1.47	1.72	1.55	0.77	-0.76	-3.26	-6.92
-35	-17.81	-18.14	-20.24	-20.48	-15.6	-11.24	-8.08	-5.67	-3.69	-2.01	-0.57	0.63	1.6	2.34	2.87	3.21	3.38	3.41	3.33	3.17	2.94	2.62	2.17	1.59	0.93	0.33	-0.02	0.02	0.34	0.68	0.79	0.48	-0.4	-2	-4.54	-8.06
-30	-16.53	-16.83	-18.5	-20.41	-17.51	-12.86	-9.24	-6.49	-4.33	-2.59	-1.18	-0.05	0.85	1.53	2	2.3	2.43	2.43	2.31	2.09	1.8	1.42	0.96	0.41	-0.17	-0.68	-0.97	-1.01	-0.89	-0.81	-0.97	-1.52	-2.57	-4.26	-6.72	-9.6
-25	-14.87	-15.74	-18.48	-26.16	-24.42	-15.25	-10.52	-7.4	-5.15	-3.46	-2.17	-1.18	-0.44	0.08	0.42	0.6	0.65	0.57	0.41	0.15	-0.17	-0.57	-1.04	-1.57	-2.11	-2.57	-2.89	-3.06	-3.19	-3.41	-3.88	-4.7	-5.97	-7.75	-9.91	-11.59
-20	-15.62	-16.23	-18.29	-22.67	-23.77	-16.92	-12.21	-9.04	-6.77	-5.11	-3.87	-2.98	-2.35	-1.94	-1.71	-1.64	-1.7	-1.88	-2.16	-2.53	-2.99	-3.54	-4.17	-4.84	-5.5	-6.09	-6.56	-6.92	-7.27	-7.75	-8.42	-9.3	-10.84	-12.28	-13.24	-13.4
-15	-18.99	-19.19	-19.84	-20.5	-19.67	-17.02	-14.04	-11.49	-9.46	-7.87	-6.66	-5.76	-5.13	-4.73	-4.54	-4.54	-4.71	-5.04	-5.54	-6.2	-7	-7.93	-8.95	-10	-10.96	-11.73	-12.3	-12.6	-12.8	-13.03	-13.31	-13.55	-13.62	-13.4	-12.94	-12.42
-10	-15.89	-16.91	-17.59	-17.88	-17.72	-17.08	-16.06	-14.84	-13.62	-12.5	-11.6	-10.8	-10.3	-10	-9.93	-10.03	-10.34	-10.83	-11.47	-12.23	-12.99	-13.62	-13.88	-13.49	-12.93	-12.3	-11.8	-11.3	-10.98	-10.7	-10.5	-10.36	-10.29	-10.31	-10.45	-10.45
-5	-11.5	-12.59	-13.72	-14.88	-16.06	-17.24	-18.32	-19.08	-19.39	-20.18	-20.6	-20.7	-20.3	-19.3	-18	-16.52	-15.06	-13.72	-12.51	-11.44	-10.53	-9.76	-9.14	-8.64	-8.28	-8.04	-7.92	-7.91	-8.01	-8.22	-8.54	-8.96	-9.49	-10.1	-10.81	-11.62
0	-9.61	-10.56	-11.68	-13.01	-14.59	-16.44	-18.32	-19.36	-19.24	-18.1	-16.9	-15.6	-14.4	-13.3	-12.3	-11.38	-10.58	-9.87	-9.25	-8.72	-8.27	-7.91	-7.63	-7.41	-7.24	-7.12	-7.07	-7.08	-7.17	-7.33	-7.56	-7.86	-8.23	-8.66	-9.16	-9.72
5	-9.59	-10.37	-11.35	-12.56	-14.03	-15.74	-17.45	-18.39	-17.72	-15.9	-13.9	-12.2	-10.8	-9.61	-8.63	-7.82	-7.13	-6.56	-6.08	-5.69	-5.38	-5.16	-5.02	-4.97	-5	-5.11	-5.3	-5.59	-5.96	-6.42	-6.98	-7.63	-8.38	-9.22	-10.15	-11.17
10	-10.75	-11.28	-12.09	-13.24	-14.8	-16.73	-18.49	-18.64	-16.82	-14.5	-12.4	-10.7	-9.3	-8.13	-7.13	-6.25	-5.48	-4.79	-4.19	-3.69	-3.29	-3.01	-2.85	-2.84	-2.97	-3.26	-3.71	-4.33	-5.12	-6.08	-7.21	-8.51	-9.94	-11.49	-13.07	-14.58
15	-12.04	-11.98	-12.39	-13.41	-15.25	-18.22	-21.95	-21.25	-17.12	-14	-11.8	-10.3	-9.32	-8.56	-7.94	-7.34	-6.69	-5.97	-5.23	-4.51	-3.88	-3.39	-3.08	-2.97	-3.08	-3.44	-4.05	-4.93	-6.09	-7.55	-9.32	-11.4	-13.77	-16.19	-18.08	-18.89
20	-12.19	-11.33	-10.99	-11.42	-12.88	-15.91	-22.32	-30.84	-18.99	-14.4	-12	-10.6	-10	-9.81	-9.82	-9.8	-9.5	-8.8	-7.82	-6.75	-5.77	-4.99	-4.46	-4.22	-4.3	-4.73	-5.51	-6.66	-8.16	-9.95	-11.94	-14	-15.79	-16.75	-16.57	-15.91
25	-11.33	-9.88	-8.77	-8.55	-9.42	-11.7	-16.28	-27.44	-21.1	-14.9	-12.1	-10.8	-10.5	-10.8	-11.6	-12.56	-13.02	-12.44	-11.07	-9.56	-8.24	-7.24	-6.55	-6.25	-6.37	-6.9	-7.85	-9.25	-10.9	-12.55	-13.4	-13.5	-13.44	-13.74	-14.68	-15.66
30	-10.59	-8.74	-6.94	-6.25	-6.78	-8.68	-12.51	-20.62	-24.28	-15.5	-12.2	-10.8	-10.8	-11.6	-13.6	-14.57	-18.25	-21.14	-17.55	-13.43	-10.59	-8.73	-7.6	-7.13	-7.28	-8.09	-9.53	-11.3	-12.4	-12.08	-11.36	-11.31	-12.22	-14.03	-16.03	-16.79
35	-10.4	-8.41	-6.07	-5.04	-5.33	-6.99	-10.34	-16.72	-30.8	-17.7	-13.2	-11.2	-10.4	-10.9	-12	-15.02	-21.69	-32.76	-18.7	-13.05	-10.58	-9.66	-9.53	-8.62	-8.23	-9.08	-10.5	-11.5	-11.6	-10.62	-9.51	-9.26	-10.24	-12.71	-16.86	-19.47
40	-10.4	-9.01	-6.32	-4.99	-5.07	-6.5	-9.38	-13.85	-17.98	-16.5	-14	-12.4	-11.3	-10.9	-11.5	-13.86	-19.82	-25.91	-16.9	-13.06	-11.55	-11.55	-10.58	-10.41	-11.3	-12.1	-11.4	-9.58	-8.34	-8.32	-9.74	-12.89	-17.72	-19.13	-16.65	[illegible]
45	-10.23	-10.18	-7.4	-5.79	-5.7	-7.09	-9.85	-12.8	-12.88	-11.8	-11.8	-13	-13.9	-12.7	-11.9	-13.13	-17.1	-22.72	-16.08	-12.41	-11.84	-12.38	-13.02	-11.96	-11.77	-12.54	-11.8	-9.69	-8.8	-8.04	-8.16	-9.58	-14.11	-26.55	-16.47	-13.02
50	-10.39	-11.26	-8.55	-6.69	-6.51	-8.02	-10.9	-12.08	-9.96	-8.51	-8.9	-11.6	-17.8	-16.5	-11.2	-9.47	-10.29	-12.95	-14.2	-12.38	-11.63	-12.72	-13.15	-13.06	-14.58	-15.7	-19	-17.9	-12.7	-9.91	-12.33	-20.04	-24.01	-14.07	-11.27	[illegible]
55	-11.35	-12.06	-9.45	-7.45	-7.09	-8.55	-11.68	-12.88	-9.88	-7.86	-7.88	-10.2	-17.3	-22.4	-11.8	-8.9	-8.75	-10.01	-10.75	-10.44	-10.87	-12.94	-15.77	-15.72	-14.25	-14.46	-17.1	-21.3	-18.7	-15.27	-14.57	-16.94	-25.79	-22.06	-15.12	-12.77
60	-13.14	-13.45	-11.37	-9.19	-8.38	-9.37	-12.81	-18.35	-13.35	-9.89	-8.7	-9.93	-14.6	-27.7	-14.9	-10.73	-9.87	-10.35	-10.3	-9.92	-10.35	-13.18	-19.37	-21.46	-17.23	-16.68	-18.6	-20.3	-19.5	-18.14	-20.93	-24.16	-31.18	-30.32	-23.01	-20.52
65	-16.85	-17.43	-17.31	-14.56	-12.59	-12.76	-16.15	-29.8	-17.1	-11.5	-9.74	-10.4	-13.5	-17.9	-15.7	-12.96	-12.64	-13.45	-12.74	-11.25	-11.3	-13.88	-20.92	-26.93	-19.97	-20.48	-29.6	-25.1	-18.6	-17.68	-20.22	-26.8	-30.05	-25.58	-23.48	-22.13
70	-29.65	-26.94	-30.4	-24.09	-20.29	-21.12	-34.01	-20.4	-13.18	-10.4	-10.2	-12.5	-17.1	-16.8	-13.3	-12.37	-14.22	-19.08	-19.11	-15.08	-14.4	-17.34	-27.69	-23.53	-18.24	-18.21	-20.8	-19.8	-16.6	-16.05	-17.6	-23.21	-26.96	-20.3	-16.97	-15.21
75	-20.8	-21.47	-16.44	-13.21	-11.82	-12.3	-14.62	-15.54	-12.49	-10.6	-11.3	-15	-24.2	-18.9	-14.7	-14.62	-17.66	-22.45	-20.18	-18.35	-20.03	-22.44	-18.42	-15.51	-15.35	-17.89	-21.2	-17.8	-14.7	-14.02	-15.68	-20.34	-29.71	-22.43	-17.49	-14.87
80	-13.96	-15.73	-13.4	-10.21	-8.41	-8.27	-9.74	-12.01	-12.73	-11.6	-11.8	-11.6	-11.6	-12.3	-15.7	-28.68	-17.1	-11.67	-10.44	-12.39	-22.64	-13.28	-10.91	-11.68	-15.84	-29.2	-19.4	-14.6	-13.79	-15.62	-20.37	-30.88	-26.81	-20.85	-17.38	[illegible]
85	-10.57	-11.43	-11.05	-9.13	-7.48	-7.12	-8.07	-9.81	-11.59	-13	-12.6	-10.2	-8.53	-8.93	-12.4	-19.77	-12.44	-8.14	-7.28	-9.32	-16.26	-21.57	-11.46	-8.85	-9.25	-11.85	-14.8	-14.3	-13.3	-14.09	-17.43	-24.03	-23.67	-20.06	-18.73	-17.25
90	-7.81	-7.55	-7.64	-7.44	-6.91	-6.77	-7.26	-8.12	-9.52	-12.3	-15	-13.9	-10.9	-10.6	-14.1	-24.84	-13.19	-9.01	-8.18	-10.28	-17.24	-18.46	-10.76	-8.46	-8.87	-10.52	-10.9	-10.4	-11.1	-13.93	-20.55	-32.67	-19.98	-16.81	-15.79	-14.86
95	-5.38	-4.55	-4.55	-5.14	-5.78	-6.19	-6.46	-6.82	-7.91	-10.7	-16.1	-16.4	-11.6	-10.6	-13.6	-19.66	-19.47	-13.62	-12.51	-14.54	-18.18	-14.21	-10.21	-9.12	-10.37	-11.59	-9.91	-8.71	-9.72	-13.06	-22.04	-23.57	-17.03	-14.97	-14.43	-14.2
100	-3.89	-2.93	-2.88	-3.67	-4.82	-5.62	-5.89	-6.27	-7.54	-10.5	-15.8	-16.9	-12.8	-11.6	-15.8	-20.49	-30.35	-18.97	-17	-16.65	-14.78	-11.8	-9.96	-10.35	-13.5	-14.34	-10.1	-8.32	-9.27	-12.91	-19.08	-18.07	-14.26	-12.7	-12.73	-13.8
105	-3.82	-2.99	-2.88	-3.66	-4.88	-5.71	-6.04	-6.74	-8.88	-14.2	-16.1	-13.3	-10.7	-10.5	-16.5	-20.06	-20.16	-19.69	-20.05	-16.47	-12.78	-11.14	-12.22	-17.3	-11	-9.06	-9.87	-12.87	-16.37	-15.04	-11.96	-10.3	-10.32	-11.97	[illegible]	[illegible]
110	-5.33	-4.62	-4.36	-4.91	-5.91	-6.53	-6.8	-7.73	-10.15	-13.7	-13	-9.69	-8.18	-8.73	-11.7	-18.25	-21.74	-17.54	-17.9	-23.43	-24.2	-16.29	-13.62	-14.58	-19.88	-18.15	-12.6	-10.9	-11.4	-13.19	-14.74	-13.66	-10.9	-9.01	-8.69	-10.02
115	-7.51	-6.57	-5.93	-6.12	-6.79	-7.14	-7.12	-7.62	-9.16	-10.8	-9.93	-7.92	-6.97	-7.54	-9.73	-13.1	-14.92	-14.21	-14	-14.42	-13.89	-12.38	-11.7	-13.82	-11.73	-12.81	-15.5	-16.34	-13.43	-13.6	-13.6	-14.23	-15.08	-14.73	-12.08	-9.72	-8.9	-9.64
120	-7.29	-6.07	-5.46	-5.65	-6.27	-6.5	-6.1	-5.79	-6.15	-7.1	-7.91	-7.91	-7.51	-7.37	-7.61	-8.09	-8.84	-10.24	-12.57	-14.68	-13.44	-11.15	-10.2	-10.7	-12.09	-13.16	-13.7	-14.7	-16.1	-16.99	-18.17	-19.29	-16.29	-12.8	-11.15	-11.15
125	-5.55	-4.47	-4.14	-4.49	-5.14	-5.35	-4.74	-3.97	-3.75	-4.41	-6.07	-8.55	-10.4	-9.15	-6.97	-5.6	-5.34	-6.3	-8.79	-13.8	-23.77	-17.79	-13.59	-11.58	-12	-13.6	-16.7	-19.5	-20.88	-26.91	-22.55	-17.19	-14.66	-14.03	[illegible]	[illegible]
130	-4.91	-4.05	-3.89	-4.3	-4.9	-5	-4.27	-3.26	-2.68	-2.93	-4.24	-7.01	-12	-15	-10.8	-9.64	-6.64	-5.19	-5.07	-6.12	-8.41	-12.28	-16.05	-36.31	-19.83	-14.68	-12.46	-12.3	-14.2	-18.7	-26.88	-27.97	-24.54	-21.61	-18.75	-17.17	-17.03
135	-6.11	-5.5	-5.5	-5.91	-6.39	-6.37	-5.48	-4.21	-3.24	-2.93	-3.42	-4.87	-7.57	-11.9	-15.2	-11.62	-8.63	-6.79	-6.33	-6.86	-8.38	-11.18	-16.43	-22.73	-18.57	-15.4	-15.2	-17.6	-27.8	-22.98	-16.04	-14.49	-15.2	-15.61	-16.33	-17.04
140	-10.09	-9.85	-9.82	-9.73	-9.65	-9.37	-8.4	-6.91	-5.52	-4.61	-4.29	-4.61	-5.51	-7.2	-9.81	-12.85	-10.84	-8.14	-6.94	-7.16	-9.19	-11.95	-14.1	-18.35	-17.8	-16.2	-15.9	-19.1	-16.3	-12.89	-10.59	-11.18	-12.38	-13.92	-15.65	[illegible]
145	-18.54	-21.63	-17.48	-13.37	-11.3	-10.37	-9.74	-8.85	-7.75	-6.75	-5.99	-5.46	-5.11	-4.91	-4.88	-5.06	-5.48	-6.2	-7.33	-9.05	-11.7	-16.04	-23.66	-23.63	-18.64	-17.03	-16.8	-15.5	-12.9	-10.74	-9.61	-9.5	-10.18	-11.37	-12.68	-13.76
150	-17.82	-21.1	-16.58	-12.61	-10.49	-9.48	-9.02	-8.67	-8.22	-7.69	-7.11	-6.49	-5.81	-5.15	-4.64	-4.43	-4.67	-5.25	-6.45	-8.3	-11.01	-14.92	-20.06	-23.19	-21.7	-20.34	-18.6	-16.3	-13.7	-12.03	-11.26	-11.33	-12.04	-13.02	-13.78	-13.87
155	-13.3	-14.87	-14.73	-13.17	-11.71	-10.75	-10.15	-9.67	-9.16	-8.63	-8.13	-7.68	-7.28	-6.94	-6.72	-6.7	-6.99	-7.65	-8.75	-10.34	-12.46	-15.11	-18.32	-22.16	-26.58	-27.29	-22.9	-19.3	-17.1	-15.95	-15.76	-16.33	-17.43	-18.64	-19.15	-18.23
160	-10.7	-11.72	-12.9	-14.02	-14.78	-14.83	-14.03	-12.63	-11.12	-9.79	-8.78	-8.11	-7.79	-7.77	-8.05	-8.61	-9.47	-10.63	-12.13	-14.03	-16.42	-19.54	-23.75	-28.72	-27.95	-24.41	-21.9	-20.8	-20.8	-22.11	-24.41	-27.61	-30.1	-30.66	-32.4	-42.2
165	-9.65	-10.18	-11.18	-12.77	-15.17	-18.56	-20.97	-18.07	-14.3	-11.5	-9.62	-8.3	-7.46	-7.02	-6.92	-7.14	-7.67	-8.52	-9.71	-11.26	-13.23	-15.62	-18.23	-20.27	-20.77	-20.29	-20	-20.5	-22.1	-25.3	-30.57	-30.09	-24.92	-21.89	-20.41	-20.08
170	-10.97	-11.34	-12.15	-13.51	-15.65	-19.16	-25.71	-28.95	-20.48	-16	-13.3	-11.4	-10.2	-9.48	-9.13	-9.12	-9.48	-10.09	-11.08	-12.44	-14.19	-16.36	-18.89	-21.44	-22.94	-23.17	-22.9	-23	-23.6	-24.84	-25.91	-25.79	-24.37	-22.69	-21.41	-20.66
175	-15.64	-16.03	-16.73	-17.8	-19.37	-21.66	-25.18	-31.65	-45.63	-29.8	-24.6	-21.7	-19.9	-18.7	-18	-17.76	-17.85	-18.28	-19.05	-20.18	-21.72	-23.75	-26.42	-29.97	-34.76	-39.4	-37.9	-35.1	-33.6	-33.07	-33.1	-33.27	-33	-31.98	-30.41	-28.67
180	-23.41	-23.19	-23.03	-22.93	-22.89	-22.91	-22.99	-23.13	-23.33	-23.6	-23.9	-24.3	-24.8	-25.4	-26.1	-26.79	-27.64	-28.59	-29.62	-30.7	-31.74	-32.56	-32.94	-32.73	-32.03	-31.04	-30	-28.9	-27.9	-27.05	-26.27	-25.59	-24.99	-24.49	-24.06	-23.7

EV - 5320 MHz

Azimuth (Phi°) — Elevation (Theta°)

Elevation (Theta°)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
-180	-29.6	-30.7	-31.7	-32.6	-32.9	-32.7	-32	-31	-30	-28.9	-27.9	-27.1	-26.3	-25.6	-25	-24.5	-24.1	-23.7	-23.4	-23.2	-23	-22.9	-22.9	-22.9	-23	-23.1	-23.3	-23.6	-23.9	-24.3	-24.8	-25.4	-26.1	-26.8	-27.6	-28.6
-175	-17.2	-17.5	-18	-18.6	-19.4	-20.4	-21.6	-23.3	-25.6	-29.2	-35.7	-41.2	-31.3	-26.3	-23.2	-20.9	-19.2	-17.8	-16.6	-15.6	-14.9	-14.3	-13.8	-13.4	-13.2	-13.1	-13	-13.1	-13.3	-13.6	-14.1	-14.9	-15.9	-17.2	-18.9	[illegible]
-170	-10.5	-11.2	-12	-12.9	-13.8	-14.8	-16	-17.4	-19.4	-22.2	-26.2	-28.6	-24	-19.7	-16.7	-14.5	-12.8	-11.5	-10.6	-9.83	-9.27	-8.81	-8.41	-8.03	-7.63	-7.22	-6.81	-6.43	-6.11	-5.88	-5.79	-5.85	-6.09	-6.55	-7.24	-8.21
-165	-9.57	-10.4	-11.3	-12.2	-13	-14	-15	-16.3	-18.3	-21.4	-27.8	-32.4	-21.8	-16.6	-13.2	-10.8	-9	-7.67	-6.69	-5.99	-5.51	-5.2	-4.99	-4.82	-4.62	-4.42	-4.12	-3.77	-3.39	-3.05	-2.78	-2.65	-2.68	-2.91	-3.39	-4.14
-160	-11.9	-12.7	-13.6	-14.4	-15.2	-15.9	-16.7	-17.5	-18.6	-20.3	-23.2	-26.3	-22.9	-17.7	-13.9	-11.1	-9.02	-7.45	-6.27	-5.39	-4.74	-4.26	-3.91	-3.65	-3.48	-3.35	-3.25	-3.14	-2.97	-2.73	-2.45	-2.19	-2.03	-2.03	-2.27	-2.8
-155	-14.5	-16.3	-18.3	-20.1	-21.1	-20.8	-19.7	-18.3	-17.2	-16.7	-16.7	-17.4	-18.7	-19.9	-19.6	-17.5	-15	-12.7	-10.8	-9.06	-7.46	-5.99	-4.71	-3.67	-2.9	-2.5	-2.38	-2.51	-2.81	-3.08	-3.11	-2.82	-2.34	-1.94	-1.79	-1.97
-150	-18.1	-25	-40.5	-29.2	-24.9	-22	-19.1	-16.8	-15.2	-14.3	-14	-13.9	-14.2	-14.7	-15.4	-16.6	-18.3	-23	-24.9	-17.5	-12.2	-8.5	-5.85	-3.96	-2.66	-1.87	-1.56	-1.71	-2.24	-2.96	-3.44	-3.19	-2.39	-1.58	-1.14	-1.12
-145	-24.1	-25.2	-19.2	-17.2	-17	-17.4	-17.3	-16.4	-15.4	-14.2	-13.7	-13.1	-12.4	-11.6	-10.9	-10.5	-10.2	-9.91	-9.31	-8.19	-6.72	-5.21	-3.9	-2.95	-2.24	-1.83	-1.76	-2.06	-2.69	-3.26	-3.13	-2.26	-1.33	-0.82	-0.73	[illegible]
-140	-23.7	-18.1	-15.2	-14.5	-15.2	-16.8	-18.8	-20	-19.7	-18.6	-17.4	-16.4	-15	-13.1	-11.3	-9.41	-8.1	-7.12	-6.3	-5.5	-4.65	-3.83	-3.15	-2.74	-2.65	-2.79	-2.94	-2.92	-2.84	-2.98	-3.19	-3.09	-2.34	-1.4	-0.81	-0.56
-135	-20.8	-16.1	-14.7	-15.1	-16.6	-19.3	-23.5	-31.7	-32.2	-25.2	-22.4	-20.4	-17.4	-13.8	-10.8	-8.43	-6.77	-5.57	-4.63	-3.76	-2.87	-1.99	-1.23	-0.8	-0.86	-1.55	-2.82	-4.1	-4.41	-3.9	-3.39	-2.95	-2.26	-1.42	-0.79	-0.32
-130	-17.1	-14.6	-14.4	-15.5	-17.6	-20.5	-24.6	-30.4	-31.2	-26.5	-23.2	-20	-16.3	-12.7	-9.76	-7.54	-5.89	-4.68	-3.76	-2.98	-2.18	-1.3	-0.41	0.3	0.57	0.14	-1.22	-3.49	-5.42	-4.92	-3.43	-2.4	-1.78	-1.31	-0.88	-0.29
-125	-14.2	-13	-12.5	-12.8	-13.9	-16.2	-19.3	-21.1	-20.3	-18.7	-17.2	-15.5	-13.3	-11.1	-8.95	-7.19	-5.78	-4.69	-3.86	-3.16	-2.44	-1.62	-0.74	0.09	0.63	0.6	-0.32	-2.36	-4.91	-5.08	-3.14	-1.75	-1.25	-1.29	-1.28	-0.6
-120	-13	-11.5	-10	-9.54	-10.2	-11.5	-12.7	-13.2	-13.3	-13.4	-13.3	-12.6	-11.5	-9.89	-8.28	-6.87	-5.75	-4.91	-4.29	-3.74	-3.1	-2.35	-1.61	-0.98	-0.48	-0.29	-0.74	-2.14	-4.11	-4.49	-2.77	-1.35	-0.96	-1.36	-1.74	-1.05
-115	-12.4	-10.1	-8.03	-7.42	-7.9	-8.71	-9.29	-9.79	-10.5	-11.4	-12.2	-12.2	-11.1	-9.35	-7.47	-5.84	-4.65	-3.94	-3.62	-3.42	-3.04	-2.49	-2.01	-1.83	-1.88	-2.02	-2.39	-3.24	-4.26	-3.97	-2.37	-1.12	-0.84	-1.39	-2.01	-1.58
-110	-11.2	-9.24	-7.12	-6.51	-6.89	-7.41	-7.84	-8.57	-9.77	-11.3	-12.6	-12.5	-10.8	-8.48	-6.13	-4.08	-2.58	-1.77	-1.57	-1.69	-1.76	-1.65	-1.57	-1.84	-2.56	-3.64	-4.83	-5.73	-5.44	-3.75	-1.98	-1	-0.95	-1.57	-2.28	-2.26
-105	-8.52	-8.36	-7.09	-6.54	-6.6	-6.72	-7.05	-7.94	-9.34	-10.9	-11.8	-11.2	-9.2	-6.84	-4.51	-2.36	-0.69	0.28	0.54	0.32	-0.03	-0.34	-0.75	-1.49	-2.76	-4.66	-7.15	-8.66	-6.5	-3.58	-1.81	-1.23	-1.53	-2.22	-2.85	-3.11
-100	-5.54	-6.45	-6.8	-6.8	-6.43	-5.97	-6.05	-6.84	-8	-9.03	-9.54	-9.17	-7.76	-5.59	-3.4	-1.36	0.31	1.37	1.74	1.61	1.27	0.82	0.1	-1.06	-2.78	-5.15	-8.19	-8.39	-6.25	-3.33	-1.93	-1.8	-2.43	-3.16	-3.66	-4.06
-95	-3.53	-4.25	-5.24	-6.08	-5.83	-5	-4.75	-5.22	-5.95	-6.48	-6.8	-7.03	-6.69	-5.21	-3.19	-1.26	0.33	1.4	1.88	1.95	1.83	1.53	0.8	-0.54	-2.46	-4.82	-7.22	-7.53	-5.01	-2.76	-1.81	-2.02	-2.89	-3.69	-4.17	-4.64
-90	-2.82	-2.76	-3.3	-4.27	-4.61	-4.03	-3.62	-3.77	-4.12	-4.3	-4.39	-4.77	-5.33	-5.09	-3.69	-1.94	-0.39	0.7	1.28	1.55	1.73	1.71	1.13	-0.23	-2.26	-4.48	-5.99	-5.52	-3.56	-1.92	-1.35	-1.81	-2.82	-3.69	-4.1	-4.36
-85	-3.15	-2.12	-1.93	-2.57	-3.29	-3.31	-3.05	-3	-3.01	-2.85	-2.63	-2.75	-3.34	-3.93	-3.72	-2.59	-1.2	-0.08	0.56	0.93	1.27	1.44	1.01	-0.34	-2.41	-4.31	-5.61	-4.31	-2.54	-1.42	-1.24	-1.86	-2.81	-3.46	-3.7	-3.88
-80	-4.09	-2.18	-1.38	-1.64	-2.35	-2.81	-2.85	-2.71	-2.38	-1.82	-1.22	-0.92	-1.09	-1.55	-1.82	-1.48	-0.66	0.12	0.56	0.72	0.89	0.99	0.57	-0.74	-2.98	-5.39	-5.65	-3.86	-2.27	-1.6	-1.76	-2.32	-2.79	-3.04	-3.37	-4.02
-75	-4.88	-2.55	-1.38	-1.27	-1.68	-2.13	-2.38	-2.27	-1.73	-0.85	0.11	0.76	0.98	0.86	0.7	0.78	1.09	1.37	1.36	1.08	0.8	0.61	0.14	-1.02	-2.98	-5.02	-5.19	-3.7	-2.52	-2.26	-2.52	-2.65	-2.49	-2.55	-3.25	-4.7
-70	-4.48	-2.52	-1.27	-0.88	-0.88	-0.99	-1.14	-1.12	-0.66	0.26	1.3	2.08	2.45	2.48	2.37	2.34	2.38	2.33	1.96	1.28	0.58	0.15	-0.25	-1.03	-2.3	-3.57	-3.97	-3.47	-2.99	-2.95	-2.99	-2.61	-2.11	-2.2	-3.28	-5.29
-65	-3.16	-1.73	-0.57	-0.08	0.18	0.39	0.48	0.53	0.79	1.43	2.25	2.91	3.2	3.15	2.91	2.66	2.44	2.09	1.4	0.39	-0.56	-0.94	-0.93	-1.05	-1.43	-2.02	-2.69	-3.26	-3.57	-3.67	-3.49	-2.76	-2.07	-2.12	-3.26	-4.87
-60	-2.23	-0.8	0.39	0.94	1.24	1.53	1.77	1.9	2.07	2.4	2.86	3.2	3.23	2.91	2.6	2.07	1.4	0.27	0.07	-0.87	-2.24	-3.07	-2.72	-2.17	-2.17	-2.71	-3.5	-4.58	-4.93	-4.65	-3.71	-2.69	-2.43	-3.09	-3.61	[illegible]
-55	-2.25	-0.45	0.91	1.56	1.87	2.13	2.38	2.54	2.64	2.74	2.85	2.81	2.48	1.78	0.76	-0.47	-1.85	-3.45	-5.31	-6.66	-5.94	-4.08	-2.58	-1.69	-1.37	-1.74	-2.95	-4.87	-6.66	-7.36	-6.92	-5.44	-3.82	-3.04	-3.06	-2.92
-50	-3.26	-1.11	0.46	1.29	1.69	1.99	2.25	2.42	2.44	2.34	2.11	1.67	0.93	-0.23	-1.83	-3.87	-6.33	-9.05	-10.7	-9.15	-6.45	-4.43	-3.26	-2.76	-2.86	-3.71	-5.54	-8.34	-10.8	-10.1	-8.64	-6.75	-4.79	-3.77	-3.54	-3.44
-45	-4.66	-2.62	-0.93	0.06	0.64	1.07	1.45	1.68	1.69	1.45	0.95	0.17	-0.95	-2.47	-4.45	-6.84	-9.17	-10.1	-9.05	-7.26	-5.75	-4.81	-4.5	-4.77	-5.7	-7.55	-10.7	-14.5	-14	-11	-8.64	-6.75	-5.35	-4.67	-4.66	-4.93
-40	-4.88	-3.71	-2.33	-1.35	-0.69	-0.16	0.31	0.65	0.75	0.55	0.04	-0.76	-1.8	-3.04	-4.37	-5.55	-6.27	-6.36	-6.03	-5.64	-5.43	-5.58	-6.19	-7.39	-9.31	-12	-14.2	-12.9	-10.6	-8.86	-7.74	-6.87	-6.22	-5.97	-6.15	-6.53
-35	-3.9	-3.31	-2.41	-1.63	-1.08	-0.65	-0.27	0.03	0.17	0.11	-0.18	-0.68	-1.32	-2.04	-2.78	-3.47	-4.04	-4.47	-4.83	-5.23	-5.78	-6.59	-7.72	-9.14	-10.6	-11.4	-11.2	-10.3	-9.61	-9.17	-8.85	-8.45	-8.01	-7.68	-7.46	-7.28
-30	-3.19	-2.54	-1.74	-1.03	-0.52	-0.18	0.03	0.15	0.17	0.08	-0.15	-0.52	-1	-1.59	-2.26	-2.97	-3.7	-4.44	-5.21	-6.02	-6.93	-7.94	-9	-9.93	-10.6	-10.9	-11.2	-11.8	-12.5	-13	-12.7	-11.6	-10.2	-9.04	-8.1	-7.43
-25	-3.38	-2.46	-1.57	-0.82	-0.27	0.07	0.22	0.22	0.09	-0.17	-0.54	-1.02	-1.62	-2.32	-3.12	-4.01	-4.97	-6.01	-7.1	-8.27	-9.48	-10.7	-11.8	-12.8	-13.7	-14.7	-16.4	-19.4	-22.2	-20.3	-16	-12.9	-10.8	-9.36	-8.43	-7.89
-20	-4.73	-3.62	-2.64	-1.83	-1.22	-0.82	-0.64	-0.64	-0.83	-1.19	-1.7	-2.36	-3.17	-4.14	-5.26	-6.55	-8.03	-9.69	-11.5	-13.7	-16.1	-18.7	-21.4	-24.5	-28.3	-34.1	-30.3	-23.3	-18.7	-15.5	-13.2	-11.5	-10.4	-9.66	-9.27	-9.14
-15	-7.49	-6.45	-5.49	-4.67	-4.02	-3.57	-3.32	-3.27	-3.42	-3.77	-4.32	-5.09	-6.07	-7.3	-8.81	-10.6	-12.8	-15.2	-17.6	-19.6	-19.9	-18.1	-16.3	-15.1	-14.6	-14.6	-14.9	-14.9	-14.1	-12.9	-11.6	-11.2	-11.2	-11.1	-11.2	-11.2	[illegible]
-10	-10.1	-9.78	-9.41	-9.01	-8.64	-8.33	-8.12	-8.04	-8.1	-8.31	-8.67	-9.15	-9.74	-10.4	-11	-11.6	-12	-12.2	-12.3	-12.3	-12.4	-12.5	-12.8	-13.3	-13.8	-14.3	-14.7	-15.1	-15.2	-15	-14.7	-14.3	-13.6	-12.8	-11.9	[illegible]
-5	-8.91	-8.8	-8.73	-8.69	-8.67	-8.67	-8.68	-8.7	-8.73	-8.77	-8.82	-8.88	-8.97	-9.07	-9.21	-9.38	-9.6	-9.88	-10.2	-10.7	-11.2	-11.9	-12.7	-13.7	-15	-16.5	-18.1	-19.7	-20.4	-19.6	-17.8	-15.8	-14	-12.4	-11	-9.84
0	-7.82	-7.29	-6.85	-6.49	-6.2	-5.99	-5.84	-5.76	-5.75	-5.79	-5.91	-6.09	-6.34	-6.66	-7.06	-7.54	-8.12	-8.81	-9.61	-10.6	-11.7	-13	-14.6	-16.4	-18.5	-20.4	-20.9	-19.5	-17.5	-15.5	-13.8	-12.3	-11.1	-10.1	-9.19	-8.45
5	-8.8	-7.91	-7.14	-6.49	-5.94	-5.48	-5.12	-4.85	-4.66	-4.56	-4.54	-4.61	-4.76	-5	-5.34	-5.78	-6.33	-7	-7.81	-8.78	-9.91	-11.2	-12.7	-14.2	-15.6	-16.4	-16.4	-15.8	-14.7	-13.5	-12.4	-11.6	-10.9	-10.4	-9.72	-9.09
10	-10.9	-9.92	-8.96	-8.09	-7.34	-6.71	-6.2	-5.82	-5.54	-5.34	-5.21	-5.12	-5.08	-5.08	-5.13	-5.26	-5.48	-5.82	-6.32	-7	-7.89	-9.02	-10.4	-11.9	-13.4	-14.5	-14.6	-13.9	-13	-12.1	-11.4	-11	-10.7	-10.5	-10.4	-10.3
15	-11	-10.7	-10.3	-9.69	-9.12	-8.67	-8.36	-8.22	-8.18	-8.16	-8.06	-7.82	-7.44	-6.96	-6.54	-6.18	-5.98	-5.97	-6.19	-6.68	-7.49	-8.67	-10.3	-12.5	-15.3	-17.7	-17.9	-16.1	-14.4	-13.2	-12.2	-11.6	-11	-10.4	-9.53	-8.55
20	-9.21	-9.41	-9.66	-9.89	-10.1	-10.3	-10.7	-11.2	-11.9	-12.4	-12.3	-11.5	-10.4	-9.33	-8.51	-7.97	-7.72	-7.75	-8.05	-8.63	-9.57	-11	-13.2	-16.7	-23.4	-38.7	-21.8	-17.1	-14.7	-13.3	-12.1	-11	-9.62	-8.35	-7.11	-5.9
25	-7.72	-7.94	-8.53	-9.43	-10.5	-11.7	-13	-14.4	-15.7	-15.9	-14.5	-12.7	-11.1	-9.98	-9.33	-9.12	-9.33	-9.94	-11	-12.4	-14.2	-16.5	-19.3	-21.4	-19.8	-16.8	-14.6	-13.3	-12.6	-11.8	-10.5	-8.77	-7.18	-5.95	-5.02	-4.22
30	-7.09	-7.2	-7.86	-9.08	-10.8	-13.1	-15.8	-18.2	-17.8	-15	-12.5	-10.7	-9.48	-8.76	-8.4	-8.38	-8.72	-9.51	-10.8	-12.8	-15.7	-19.9	-23.6	-19.7	-15.4	-12.6	-11	-10.4	-10.3	-9.99	-8.6	-6.7	-5.12	-4.16	-3.73	-3.54
35	-7.13	-7.2	-7.71	-8.78	-10.5	-13.3	-17.9	-23.5	-17.5	-12.5	-9.82	-8.49	-8.04	-8.16	-8.59	-9.13	-9.79	-10.8	-12.2	-13.8	-15.3	-16.5	-17	-16	-13.6	-11.2	-9.54	-8.81	-8.7	-8.42	-7.16	-5.39	-3.99	-3.34	-3.4	-3.81
40	-6.81	-7.05	-7.5	-8.26	-9.34	-11.1	-14.6	-24.4	-21	-12.8	-9.39	-8.04	-8.13	-9.52	-12	-14.6	-15.5	-15.4	-16.4	-19.6	-22.7	-17.3	-13.6	-11.9	-11.1	-10.4	-9.31	-8.32	-7.8	-7.65	-7.27	-6.17	-4.71	-3.63	-3.32	-3.86	-4.79
45	-5.16	-5.53	-6.37	-7.38	-7.83	-7.98	-8.95	-11.6	-15.3	-14.3	-10.9	-9.34	-9.66	-12.4	-20	-19.7	-13.2	-11.8	-13.9	-22.2	-23.1	-14.3	-11.3	-10	-8.95	-7.74	-6.85	-6.64	-6.82	-6.58	-5.61	-4.42	-3.58	-3.5	-4.33	-5.35
50	-3.15	-3.27	-4.41	-6.24	-6.77	-5.72	-5.22	-5.99	-7.76	-9.33	-9.38	-8.92	-9.59	-12.8	-22	-15.6	-10.2	-8.97	-10.8	-16.6	-21.6	-15.2	-13.4	-13.2	-11.1	-7.81	-5.87	-5.46	-5.96	-6.16	-5.42	-4.31	-3.37	-3.07	-3.68	-4.38
55	-2.21	-1.97	-3.08	-5.46	-6.56	-4.95	-3.83	-4.21	-5.88	-7.89	-8.33	-7.47	-7.33	-9.14	-14.7	-21	-12.7	-10.7	-12.7	-17.8	-14.5	-11.1	-11.5	-16.6	-16.7	-8.6	-5.33	-4.57	-5.19	-5.78	-5.38	-4.18	-2.74	-1.89	-2.14	-2.89
60	-2.97	-2.42	-3.27	-5.62	-7.11	-5.51	-4.24	-4.65	-7	-11.7	-13.4	-8.9	-6.56	-6.66	-9.58	-18.5	-21.5	-14.7	-16.5	-27.4	-15.2	-11.1	-11.3	-17.4	-19	-8.67	-5.14	-4.34	-4.97	-5.63	-5.3	-3.86	-1.96	-0.82	-1.05	-2.17
65	-5.18	-4.5	-4.71	-6.23	-7.6	-6.69	-5.24	-4.87	-6.13	-10	-21.5	-13.4	-7.69	-5.66	-7.55	-12.4	-19.5	-15.1	-14.8	-21.4	-26.8	-17.7	-17.9	-22.3	-12.5	-7.78	-5.34	-4.6	-5.15	-6.15	-5.18	-3.44	-1.58	-0.63	-1.16	-2.75
70	-7.08	-6.95	-6.19	-6.3	-7.27	-7.71	-6.36	-4.79	-4.5	-6.2	-11	-16.9	-10.5	-7.7	-8.17	-12	-19	-16.3	-15.1	-18.4	-26.1	-36.5	-22.2	-13.5	-8.64	-6.03	-5.29	-6.43	-8.42	-7.6	-5.09	-3.12	-1.79	-1.44	-2.52	-4.52
75	-6.52	-7.22	-6.34	-5.68	-6.19	-7.6	-7.75	-6.08	-5.28	-6.6	-11.2	-25.3	-14.6	-10.6	-10.8	-14.8	-24.4	-22.8	-23.7	-26.5	-20.1	-21.9	-22.3	-11.6	-6.88	-4.82	-4.9	-7.52	-12.7	-9.24	-4.91	-3.03	-2.5	-3.01	-4.65	-6.3
80	-4.9	-5.38	-5.05	-4.61	-5	-6.59	-8.3	-8.01	-7.59	-9.42	-15.3	-21.3	-14.1	-12.4	-14.2	-20.6	-31.8	-30.2	-23.2	-13.8	-10.5	-11.4	-20.1	-16.2	-7.94	-5.15	-5.19	-8.51	-17.6	-9.31	-4.54	-3.17	-3.59	-4.88	-6.2	-6.1
85	-4.1	-4.17	-3.9	-3.64	-4.12	-5.98	-8.86	-9.81	-9.59	-11.7	-16.5	-14.8	-12.4	-13.6	-19.5	-28.2	-18.9	-19.9	-18.9	-10.7	-7.24	-7.36	-11.7	-24.8	-10.6	-6.94	-6.8	-10.6	-17.5	-7.93	-4.1	-3.53	-4.96	-6.46	-5.93	-4.54
90	-4.6	-4.64	-4.14	-3.43	-3.6	-5.65	-10.2	-12.6	-10.7	-11.8	-15.1	-13.8	-12.5	-15.1	-24.4	-17.1	-12.3	-12.6	-18.1	-14.4	-9.1	-8.35	-11.5	-17	-12.3	-9.3	-9.62	-13.4	-12.4	-6.29	-3.73	-4.02	-6.46	-7.36	-5	-3.4
95	-5.32	-6.01	-5.62	-4.12	-3.46	-5.03	-10.2	-16.5	-11.3	-10.5	-12.6	-13.5	-13.5	-16.3	-24.8	-16.2	-10.9	-9.82	-12.6	-19.4	-15.5	-15.2	-12.4	-10.2	-10.5	-13.1	-14.2	-9.42	-5.41	-3.83	-4.77	-7.9	-7.99	-4.86	-3.47	[illegible]
100	-4.68	-5.79	-6.47	-5.01	-3.55	-4.17	-7.97	-16.4	-12.9	-10	-10.5	-12.3	-14.2	-17.1	-24	-25.3	-14.6	-11.2	-11.3	-14.5	-21.1	-23.5	-14.1	-9.6	-8.53	-10.7	-16.4	-14.2	-9.01	-6.19	-5.29	-6.53	-8.34	-6.45	-5.69	-4.87
105	-3.18	-3.7	-4.81	-4.89	-3.66	-3.43	-5.42	-10.2	-13.8	-11.4	-10.9	-12.6	-16.3	-19.7	-19.3	-19.6	-16.7	-13.1	-12.1	-13.4	-17.5	-29.6	-15.7	-10.3	-9.37	-12.4	-20.7	-14.6	-10.7	-9.58	-9.68	-10.4	-10.2	-8.2	-6.85	-7.22
110	-1.63	-1.4	-2.2	-3.52	-3.72	-3.16	-3.65	-5.85	-9.56	-12.8	-13.8	-15.4	-20.1	-47.7	-20.5	-14.4	-12.2	-14.6	-9.64	-9.52	-10.4	-12.2	-15.3	-16.2	-13	-12.6	-17.7	-25.9	-14.3	-12.7	-16.8	-21.8	-12.5	-8.69	-7.35	-7.7	-9.59
115	-0.36	0.35	-0.14	-1.86	-3.62	-3.49	-2.94	-3.73	-6.44	-11.6	-18.1	-15.4	-13.7	-15.8	-25.1	-17.6	-11.5	-9.23	-8.73	-8.72	-8.78	-9.25	-10.1	-11.1	-13.5	-19.9	-17.9	-12.9	-12.9	-17.3	-14.8	-9.25	-7.03	-6.94	-8.46	-11.1
120	0.36	1.27	1.01	-0.62	-3.07	-3.94	-3.05	-3.08	-5.04	-9.64	-19.2	-18.1	-14	-10.6	-10.9	-15.1	-29.3	-18.4	-14.3	-13.2	-11.7	-9.95	-9.07	-9.29	-10.8	-14.2	-17.7	-14.2	-12.9	-14.7	-14.9	-11.6	-8.17	-7.06	-7.86	-10.1	-12.5
125	0.6	1.47	1.38	0.09	-2.16	-3.73	-3.36	-3.11	-4.37	-7.75	-13.8	-14.8	-11.1	-10.1	-11.5	-14.2	-16.9	-20.7	-36.2	-18.8	-13.3	-11.3	-11.6	-14.5	-22.4	-19.1	-13.2	-12	-14.2	-16.7	-12	-8.92	-8.44	-10.2	-13.7	-15.7
130	0.55	1.27	1.35	0.54	-1.05	-2.6	-3.12	-3.18	-3.92	-5.8	-8.63	-10.7	-10.3	-9.39	-9.35	-10	-11.2	-13	-14.9	-14.6	-13	-12.5	-13.9	-18.4	-22.8	-16	-13.1	-13.8	-19.1	-19.2	-12	-9.24	-9.25	-11.8	-18.3	-25.5
135	0.24	0.86	1.17	0.92	0.09	-1.02	-2	-2.74	-3.55	-4.69	-6.01	-6.97	-7.24	-7.27	-7.61	-8.51	-10	-12.2	-14.7	-16.2	-16.5	-17.4	-19.4	-18.1	-14	-14.1	-18.1	-41.7	-15.5	-10.3	-8.33	-8.46	-10.5	-15.3	-25.5	[illegible]
140	-0.29	0.21	0.74	0.99	0.8	0.23	-0.63	-1.71	-2.95	-4.28	-5.5	-6.33	-6.8	-7.29	-8.25	-9.99	-12.8	-17.3	-24.7	-35.5	-28.1	-22.9	-18.5	-15.3	-13.5	-13.4	-15.4	-20.6	-18.7	-12.4	-9.1	-7.76	-7.88	-9.4	-12.6	-18.5
145	-0.77	-0.59	-0.13	0.34	0.56	0.42	-0.11	-1.05	-2.37	-4.03	-5.88	-7.64	-9.16	-10.7	-12.9	-16.7	-23.9	-25	-18.4	-15.4	-14	-13.2	-12.4	-11.9	-11.9	-12.6	-14.1	-17.6	-15.8	-12.1	-9.61	-8.44	-8.38	-9.4	-11.7	-15.9
150	-1.37	-1.6	-1.57	-1.28	-0.97	-0.84	-1.05	-1.66	-2.71	-4.22	-6.22	-8.7	-11.7	-15.5	-20.2	-22.7	-19.3	-16.2	-14.5	-13.8	-13.7	-13.5	-13.2	-12.8	-12.8	-13.5	-15.3	-17.9	-18.4	-15.5	-12.7	-11	-10.3	-10.5	-11.7	-14.1
155	-2.47	-3.15	-3.76	-4.06	-3.99	-3.68	-3.88	-4.47	-5.5	-7	-8.97	-11.4	-14	-16.1	-17	-16.6	-16.6	-19.7	-27.5	-22.2	-24.1	-19.8	-15.8	-13.3	-11.9	-11.4	-11.7	-12.7	-14	-14.9	-14.2	-13.7	-12.7	-12.2	-12.4	-13.2
160	-3.65	-4.8	-6.15	-7.43	-8.19	-8.26	-7.93	-7.64	-7.65	-8.07	-8.92	-10.2	-12	-14.1	-16.5	-19	-21.3	-23	-22.4	-19.4	-16	-13.3	-11.3	-9.79	-8.81	-8.24	-8.01	-8.03	-8.24	-8.55	-8.9	-9.25	-9.63	-10.1	-10.6	-11.2
165	-5.19	-6.6	-8.35	-10.4	-12.2	-13.2	-13	-12.3	-11.8	-11.7	-12.2	-13.2	-14.9	-17.4	-20.9	-24	-22.3	-18.8	-16.1	-14.1	-12.5	-11.3	-10.3	-9.52	-8.83	-8.22	-7.7	-7.27	-6.96	-6.73	-6.68	-6.78	-7.06	-7.49	-8.07	-8.78
170	-9.5	-11.2	-13.2	-15.6	-17.9	-18.8	-18.2	-17.1	-16.3	-16	-16.4	-17.4	-19.3	-22.3	-26.9	-29.6	-24.8	-21	-18.5	-16.8	-15.8	-15	-14.4	-13.8	-13.1	-12.4	-11.6	-10.7	-10	-9.47	-9.09	-8.89	-8.88	-9.05	-9.39	-9.88
175	-21.1	-24	-27.6	-29.5	-27.4	-24.7	-22.7	-21.5	-20.8	-20.7	-20.9	-21.7	-22.9	-24.7	-27.4	-31.5	-39.4	-48.1	-35.6	-31.5	-29.3	-28	-27.1	-26.2	-25.2	-24	-22.7	-21.4	-20.2	-19.2	-18.3	-17.7	-17.3	-17	-17	-17
180	-29.6	-30.7	-31.7	-32.6	-32.9	-32.7	-32	-31	-30	-28.9	-27.9	-27.1	-26.3	-25.6	-25	-24.5	-24.1	-23.7	-23.4	-23.2	-23	-22.9	-22.9	-22.9	-23	-23.1	-23.3	-23.6	-23.9	-24.3	-24.8	-25.4	-26.1	-26.8	-27.6	-28.6

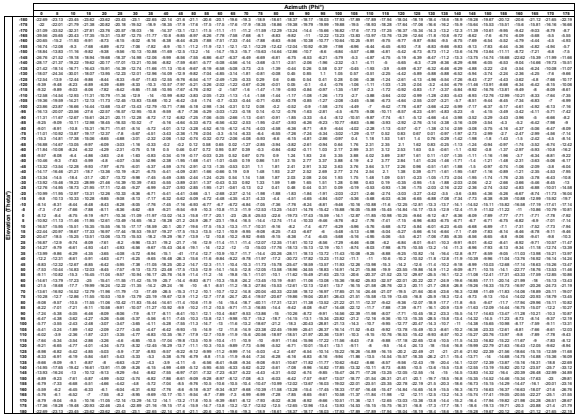
ANT1 (5G4) @5320 MHz

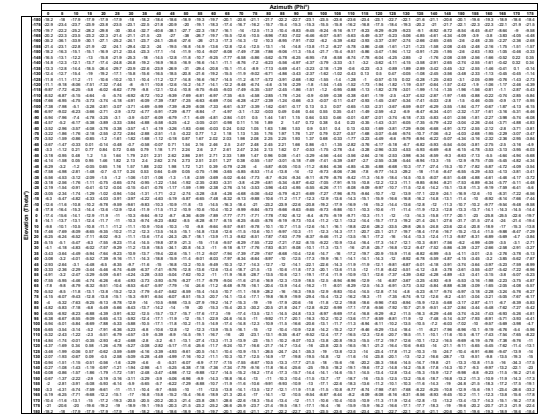


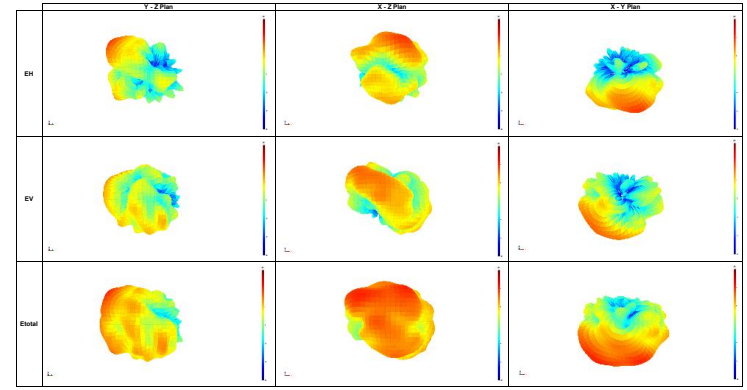
EH- 5500 MHz

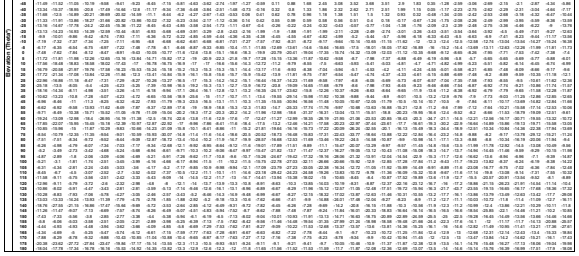
EV- 5500 MHz

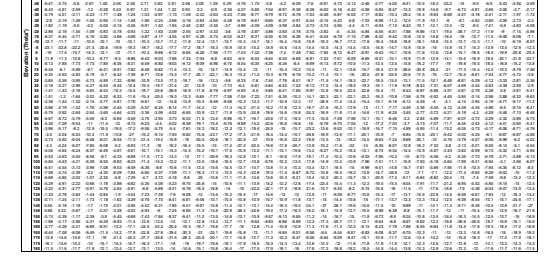
ANT1 (5G4) @5500 MHz

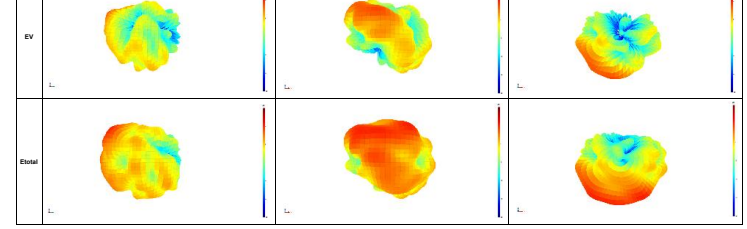

Azimuth (Phi°)
Elevation (Theta°)

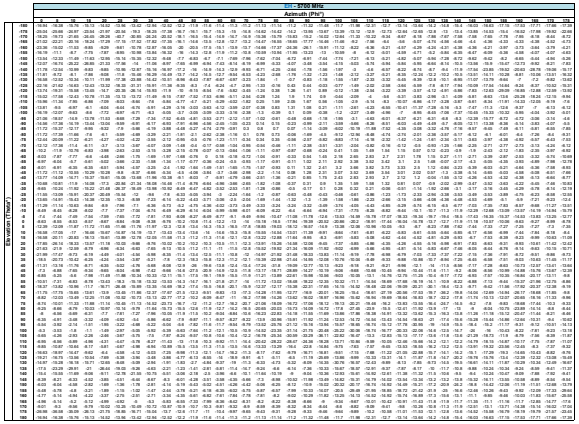

Azimuth (Phi°)
Elevation (Theta°)

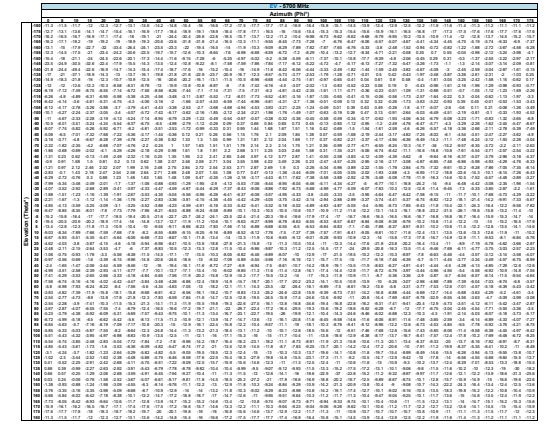

Y - Z Plan
X - Z Plan
X - Y Plan
EH
EV
Etotal

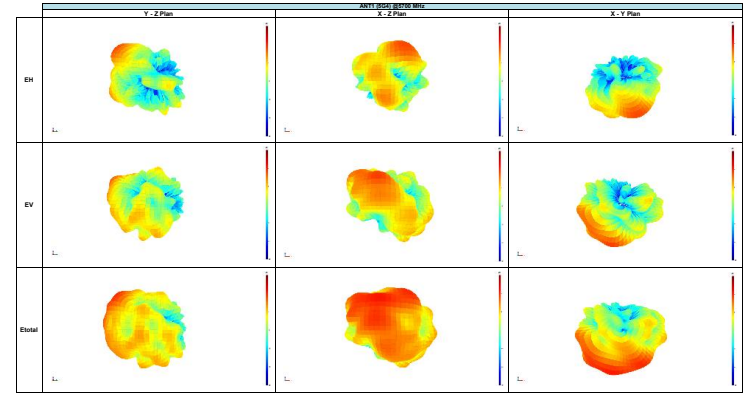

EV - 5600 MHz
Azimuth (Phi°)
Elevation (Theta°)


EV - 5600 MHz
Azimuth (Phi°)
Elevation (Theta°)

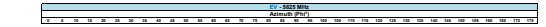

ANT1 (5G4) @5600 MHz
Y - Z Plan
X - Z Plan
X - Y Plan
EH
EV
Etotal

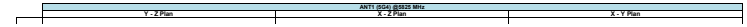

EH - 5700 MHz
Azimuth (Phi°)
Elevation (Theta°)

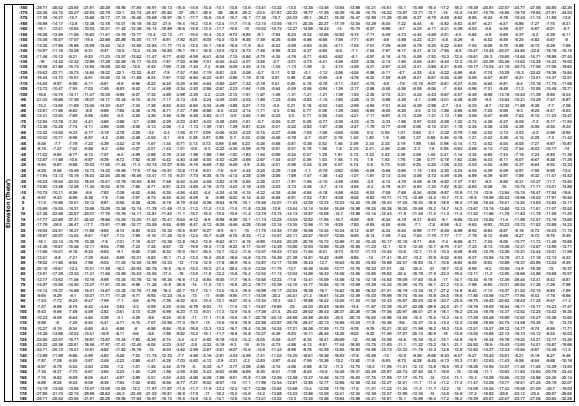

EV - 5700 MHz
Azimuth (Phi°)
Elevation (Theta°)

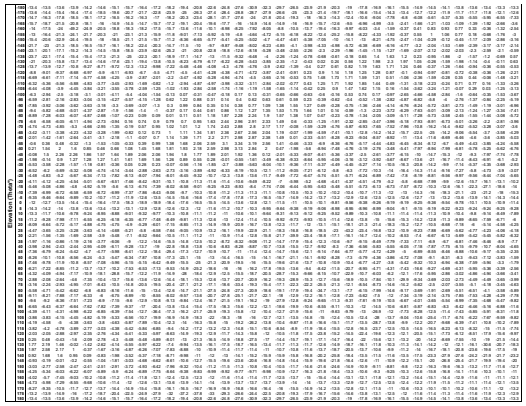

ANT1 (5G4) @5700 MHz
Y - Z Plan
X - Z Plan
X - Y Plan
EH
EV
Etotal

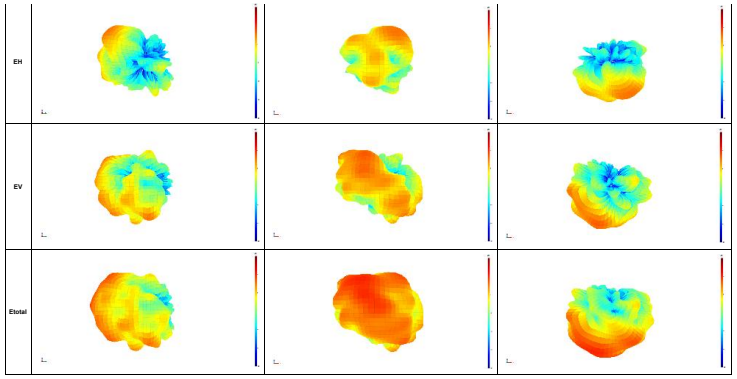
EH - 5825 MHz
Azimuth (Phi°)


EV - 5825 MHz
Azimuth (Phi°)

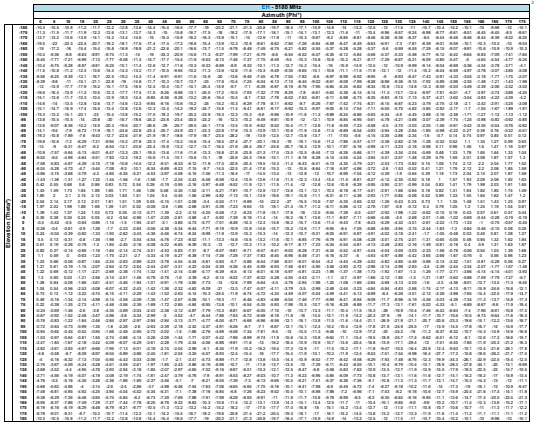

ANT1 (5G4) @5825 MHz
Y - Z Plan
X - Z Plan
X - Y Plan


Elevation (Tilted)

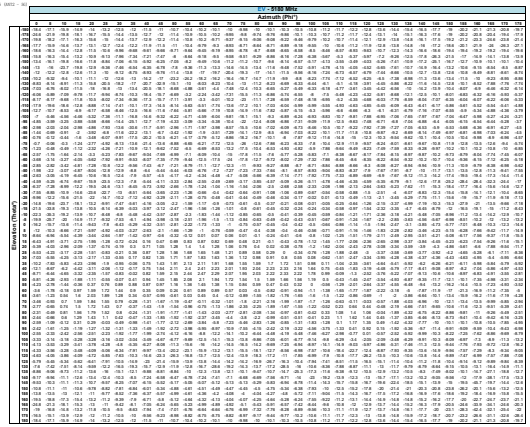

Elevation (Tilted)


EH
EV
Etotal

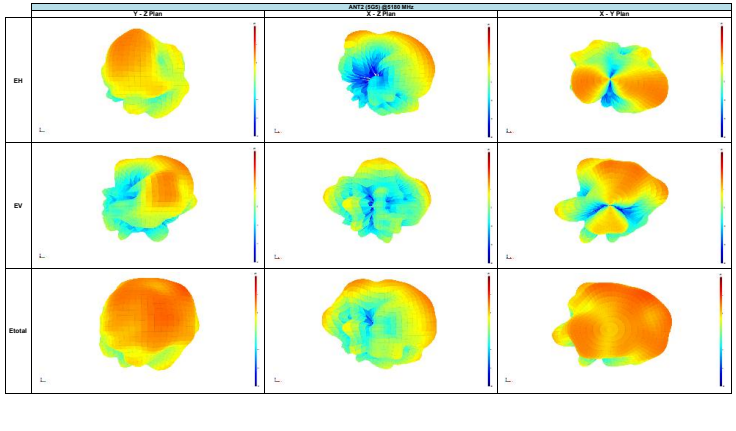
EH - 5160 MHz



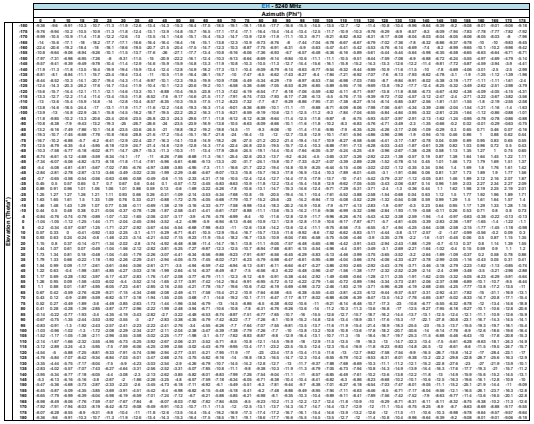
EV - 5160 MHz



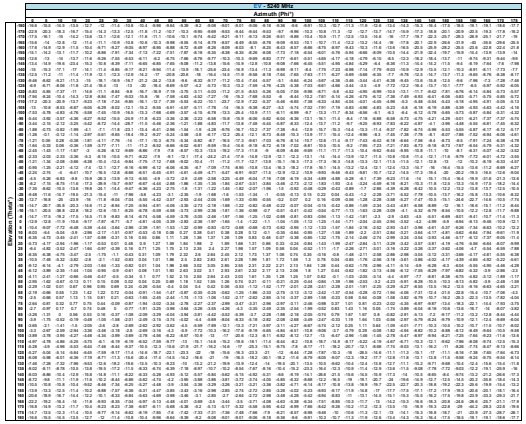
ANT2 (5G5) @5160 MHz



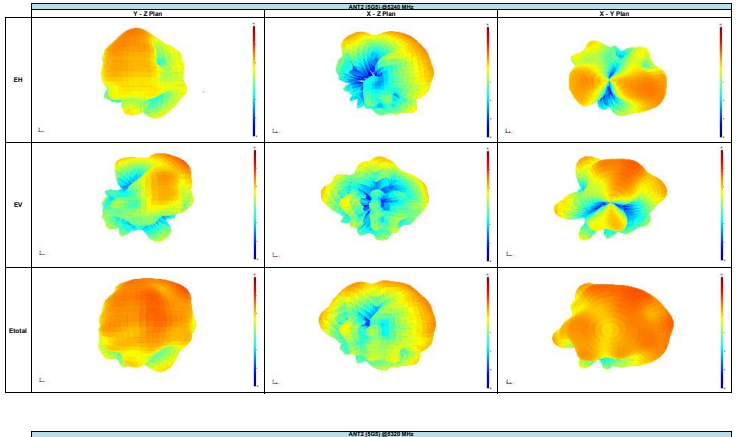
EH - 5240 MHz



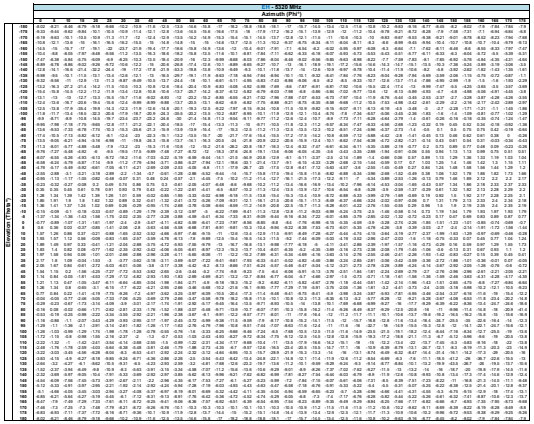
EV - 5240 MHz



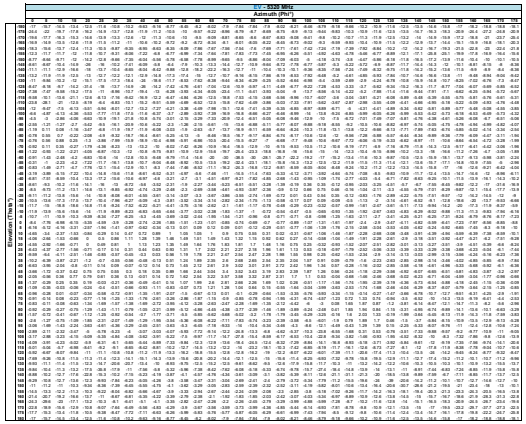
ANT2 (5G5) @5240 MHz



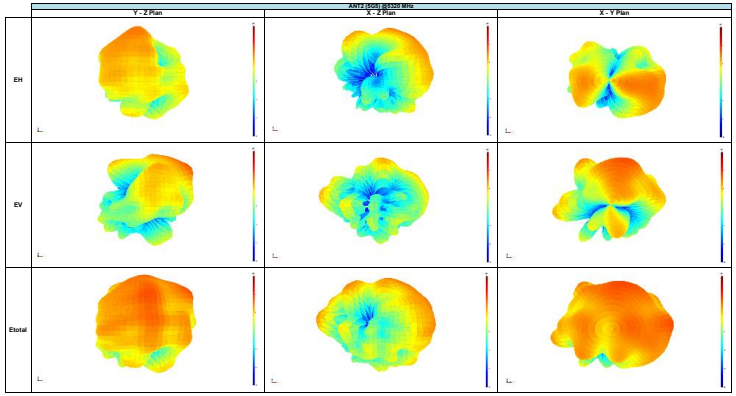
EH - 5320 MHz



EV - 5320 MHz



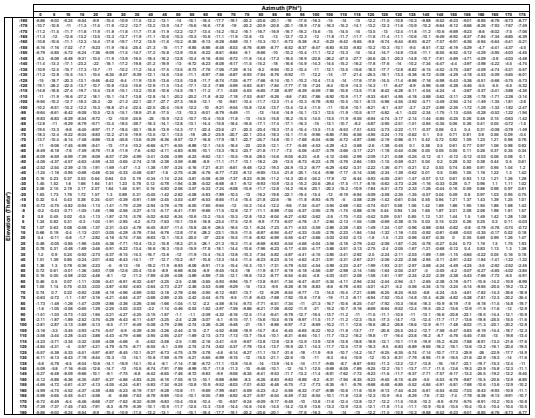
ANT2 (5G5) @5320 MHz

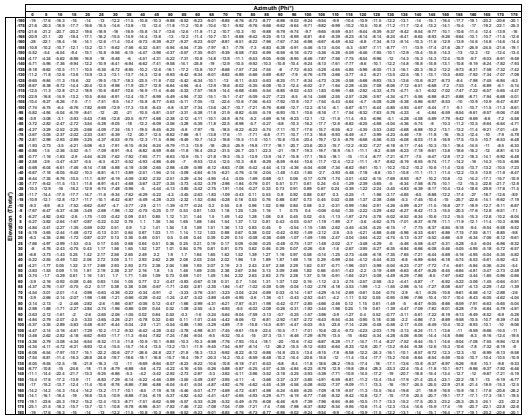


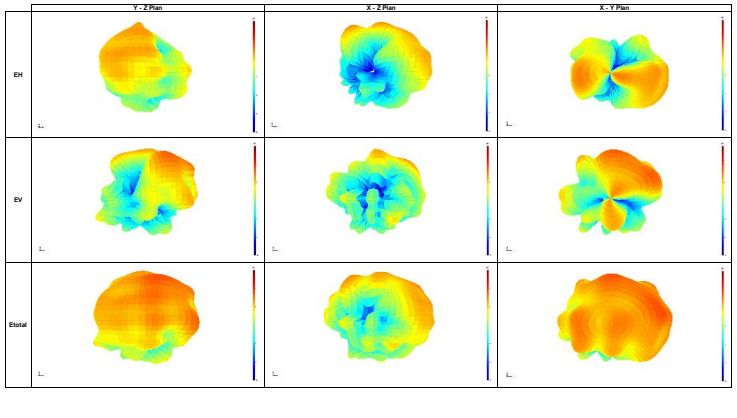
EH - 5500 MHz

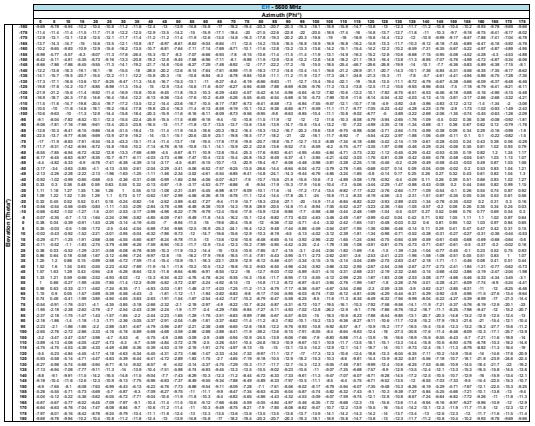
EV - 5500 MHz

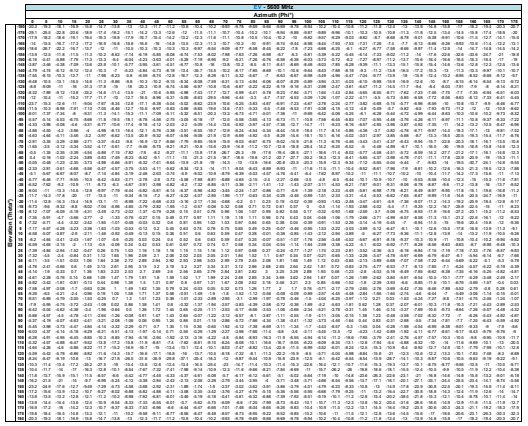
ANT2 (5G5) @5500 MHz

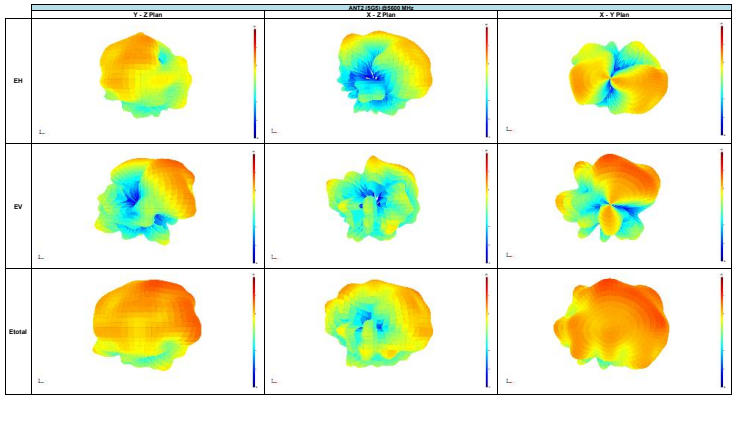

Azimuth (Phi°)
Elevation (Theta°)

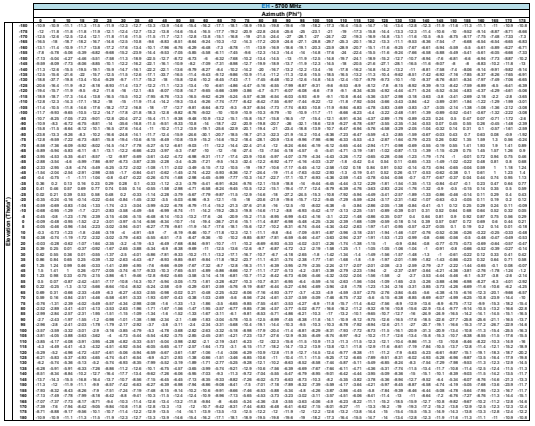

Azimuth (Phi°)
Elevation (Theta°)

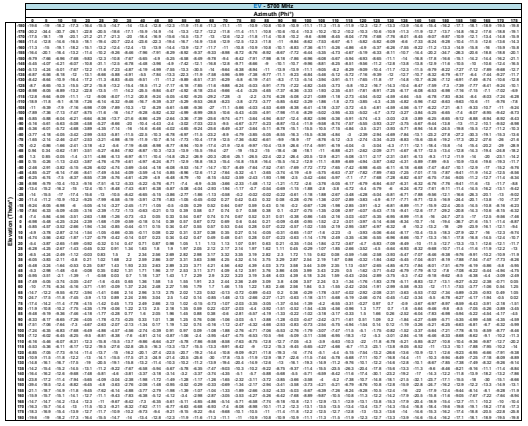

Y - Z Plan
X - Z Plan
X - Y Plan
EH
EV
Etotal

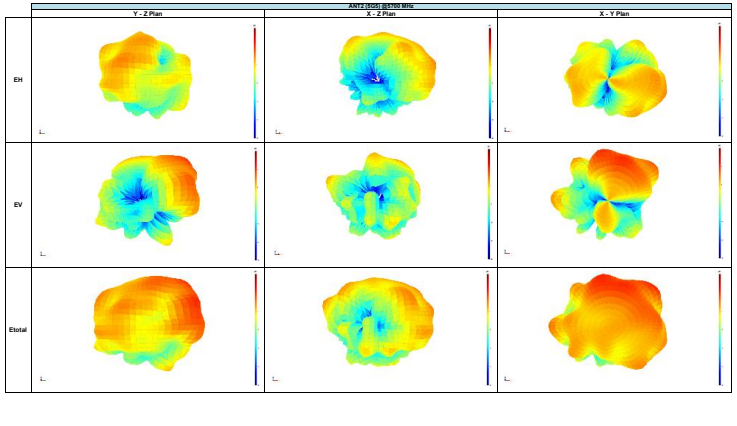

EH - 5600 MHz
Azimuth (Phi°)
Elevation (Theta°)


EV - 5600 MHz
Azimuth (Phi°)
Elevation (Theta°)


ANT2 (5G5) @5600 MHz
Y - Z Plan
X - Z Plan
X - Y Plan
EH
EV
Etotal


EH - 5700 MHz
Azimuth (Phi°)
Elevation (Theta°)

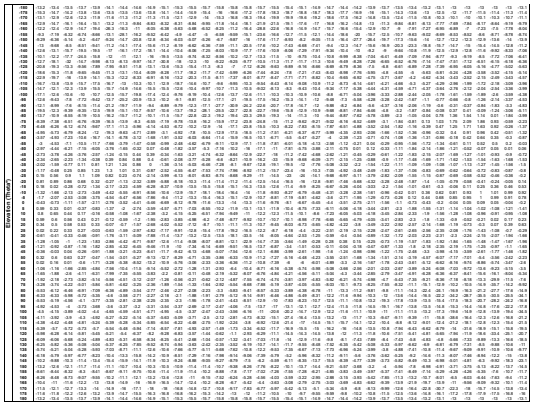

EV - 5700 MHz
Azimuth (Phi°)
Elevation (Theta°)

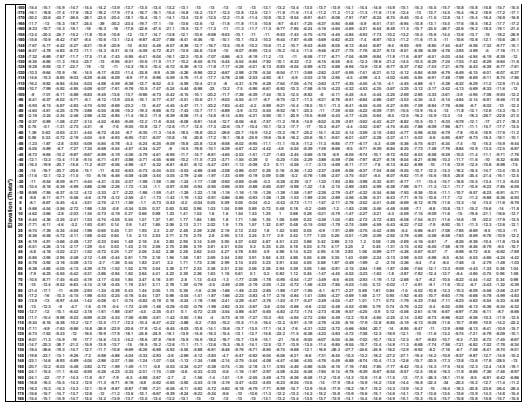

ANT2 (5G5) @5700 MHz
Y - Z Plan
X - Z Plan
X - Y Plan
EH
EV
Etotal

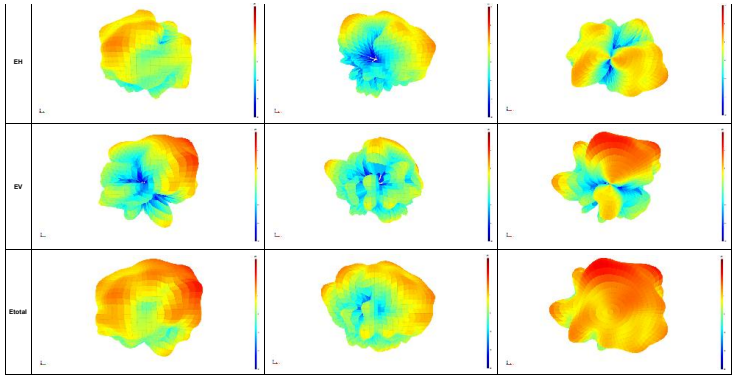
EH - 5825 MHz
Azimuth (Phi°)

EV - 5825 MHz
Azimuth (Phi°)

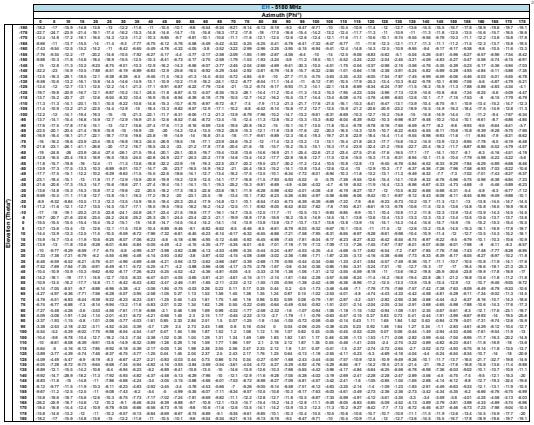
ANT2 (5G5) @5825 MHz
Y - Z Plan
X - Z Plan
X - Y Plan


Elevation (Meter)

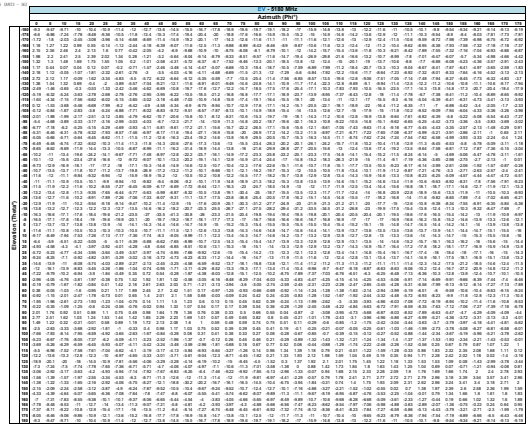

Elevation (Meter)


EH
EV
Etotal

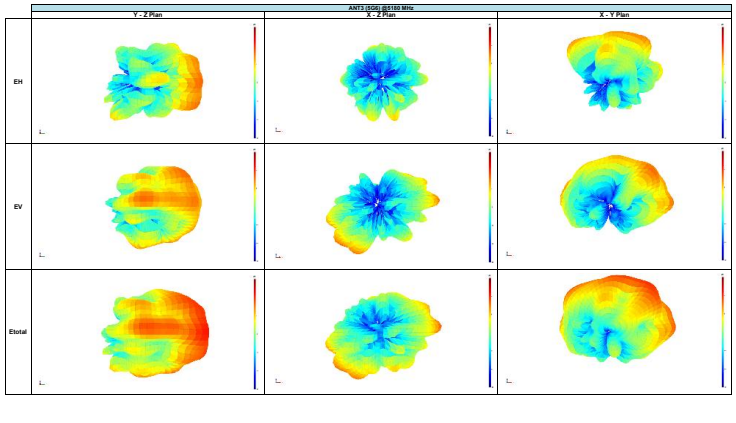
EH - 5150 MHz



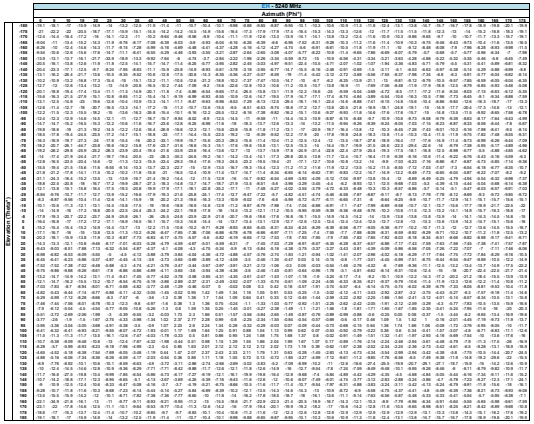
EV - 5150 MHz



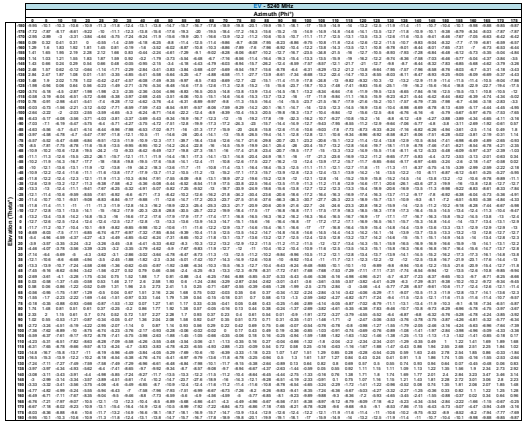
ANT3 (5G6) @5150 MHz



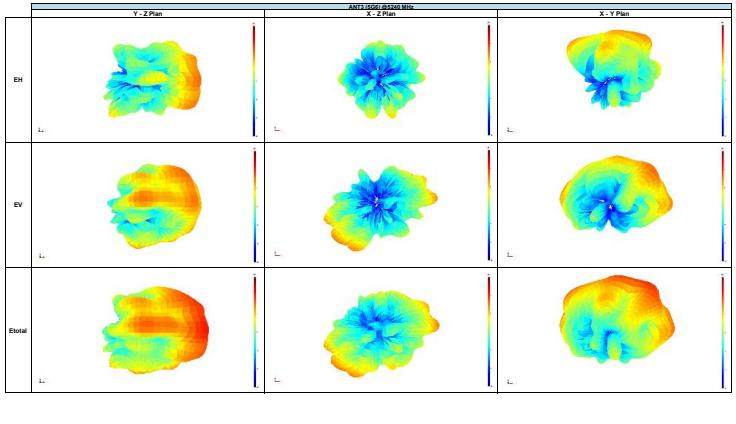
EH - 5240 MHz



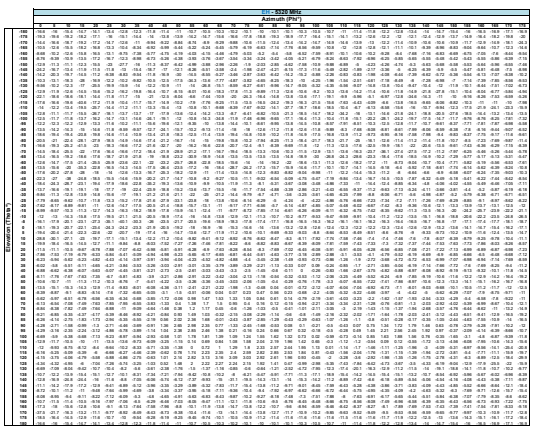
EV - 5240 MHz



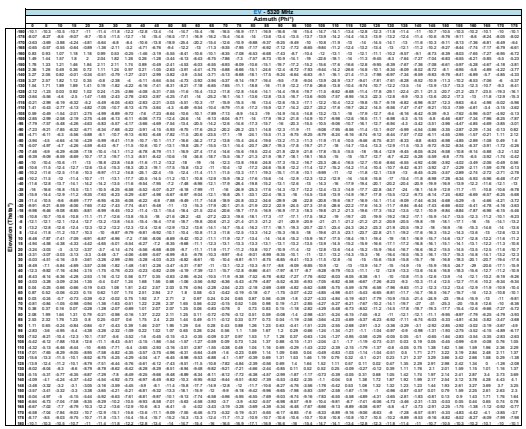
ANT3 (5G6) @5240 MHz



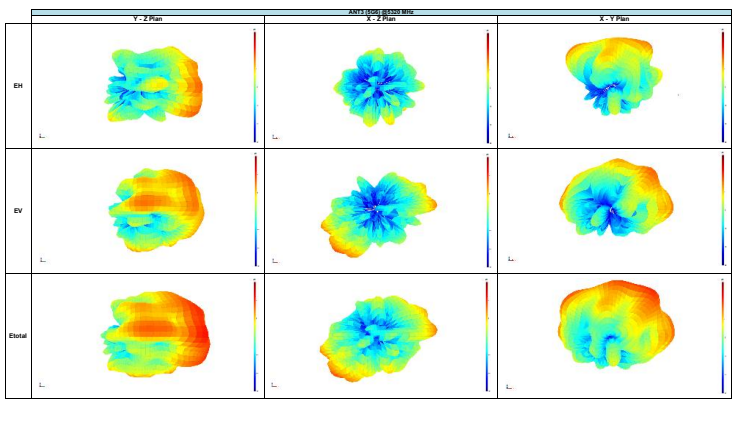
EH - 5320 MHz



EV - 5320 MHz



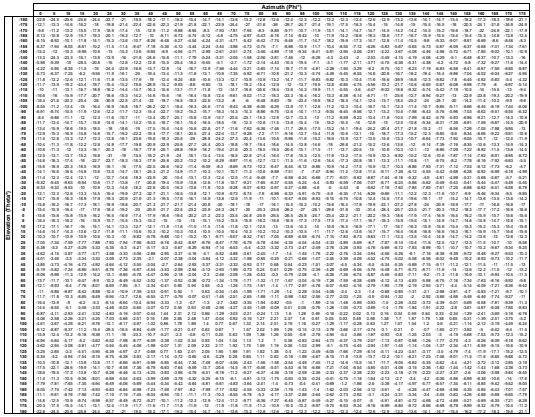
ANT3 (5G6) @5320 MHz

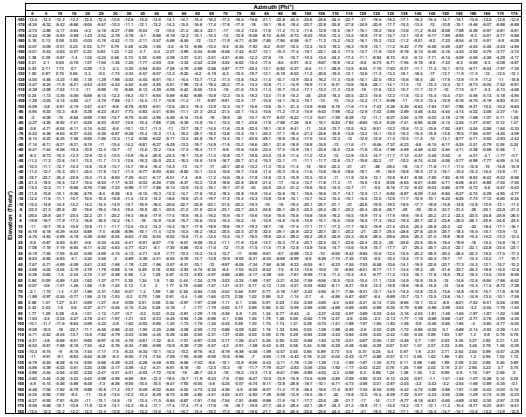


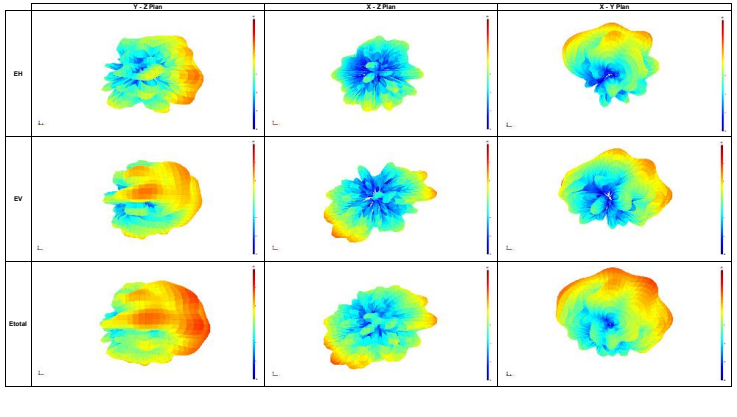
EH - 5500 MHz

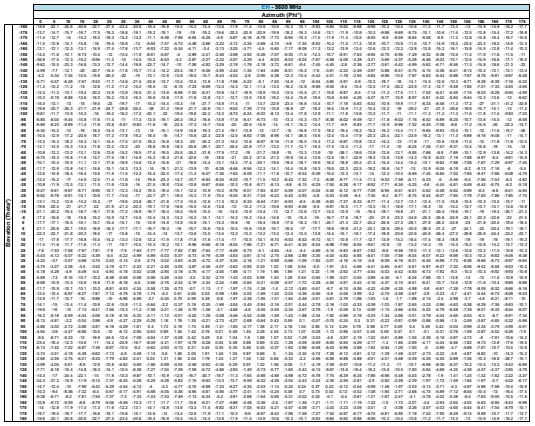
EV - 5500 MHz

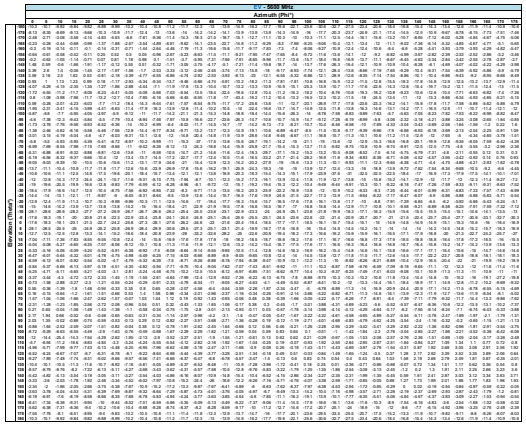
ANT3 (5G6) @5500 MHz

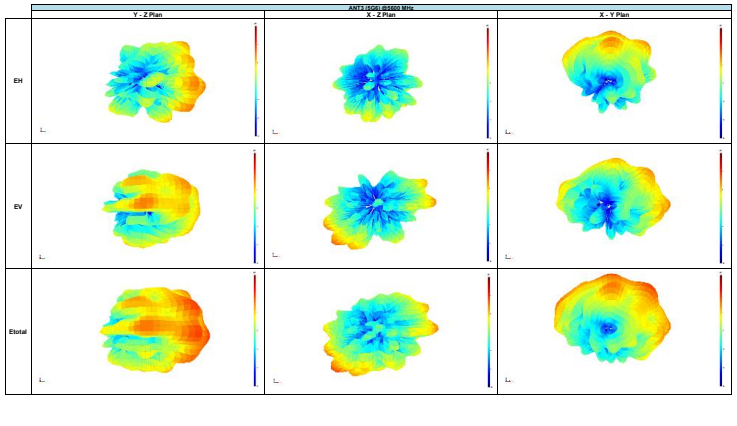

Azimuth (Phi°)
Elevation (Theta°)

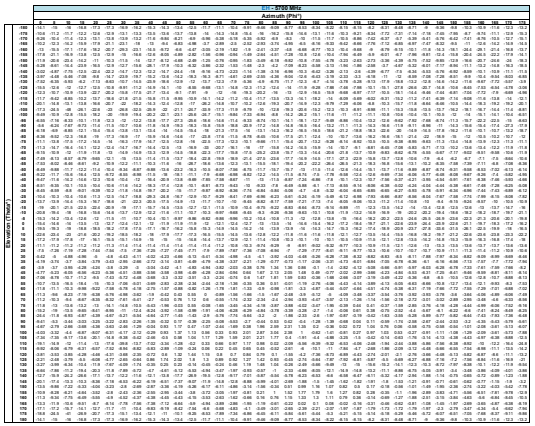

Azimuth (Phi°)
Elevation (Theta°)

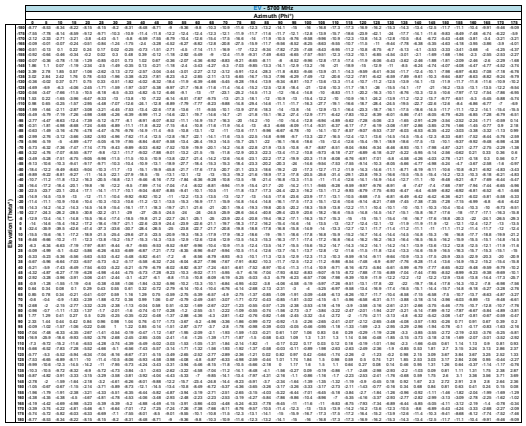

Y - Z Plan
X - Z Plan
X - Y Plan
EH
EV
Etotal

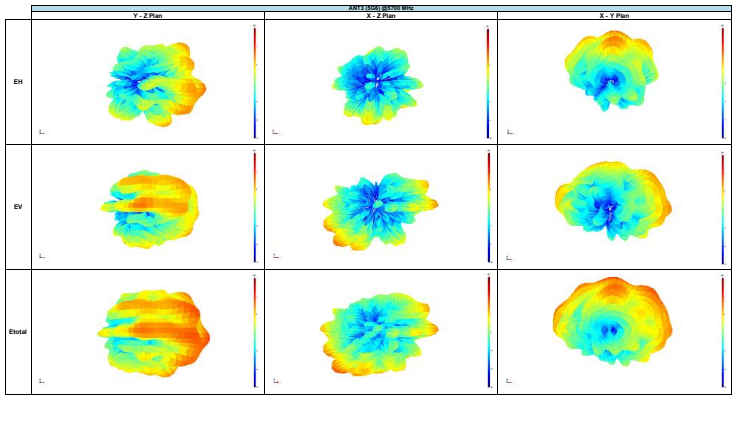

EH - 5600 MHz
Azimuth (Phi°)
Elevation (Theta°)

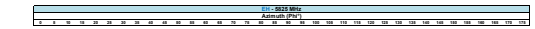

EV - 5600 MHz
Azimuth (Phi°)
Elevation (Theta°)

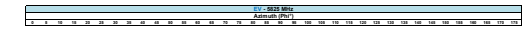

ANT3 (5GE) @5600 MHz
Y - Z Plan
X - Z Plan
X - Y Plan
EH
EV
Etotal

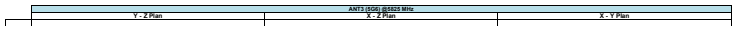

EH - 5700 MHz
Azimuth (Phi°)
Elevation (Theta°)

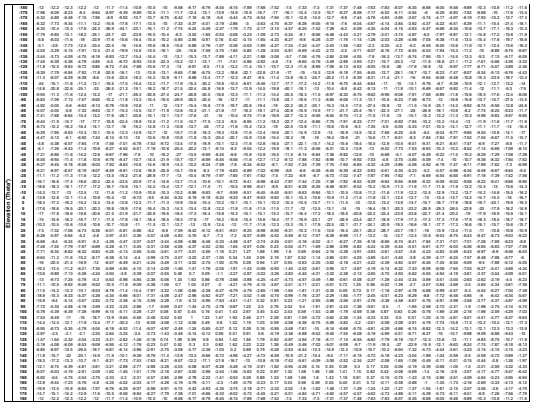

EV - 5700 MHz
Azimuth (Phi°)
Elevation (Theta°)

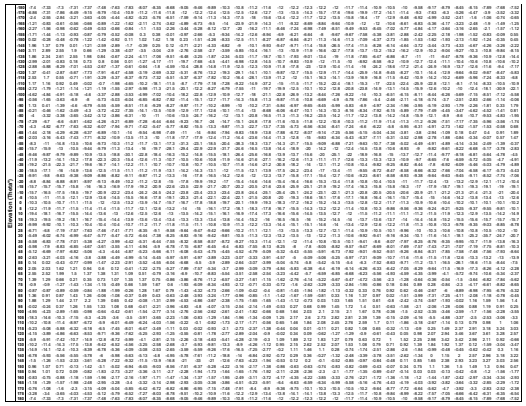

ANT3 (5GE) @5700 MHz
Y - Z Plan
X - Z Plan
X - Y Plan
EH
EV
Etotal

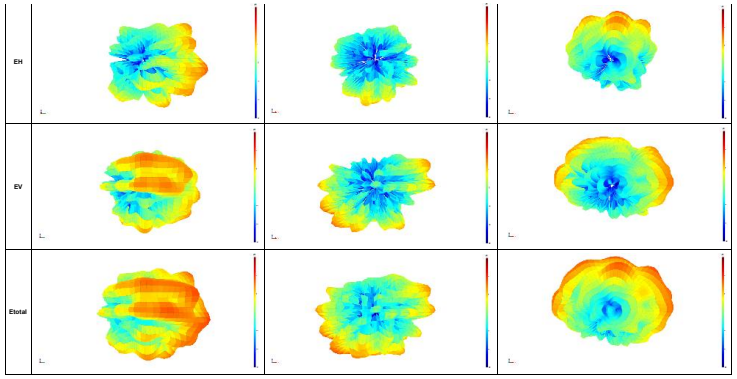

EH - 5825 MHz
Azimuth (Phi°)


EV - 5825 MHz
Azimuth (Phi°)

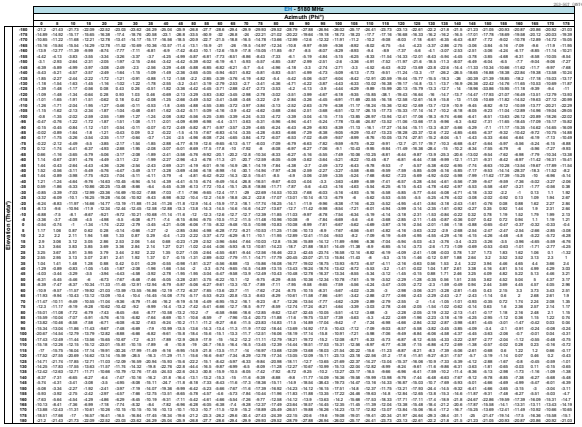

ANT3 (5GE) @5825 MHz
Y - Z Plan
X - Z Plan
X - Y Plan


Elevation (Meter)

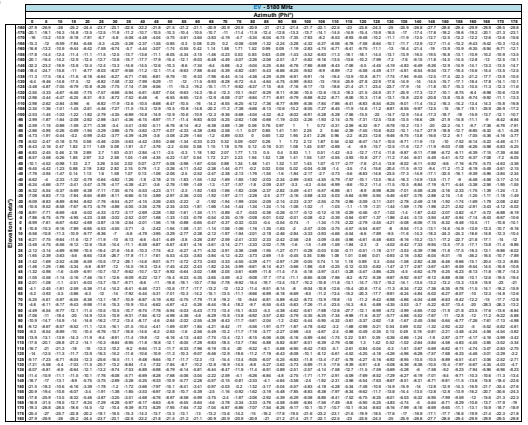

Elevation (Meter)


EH
EV
Etotal

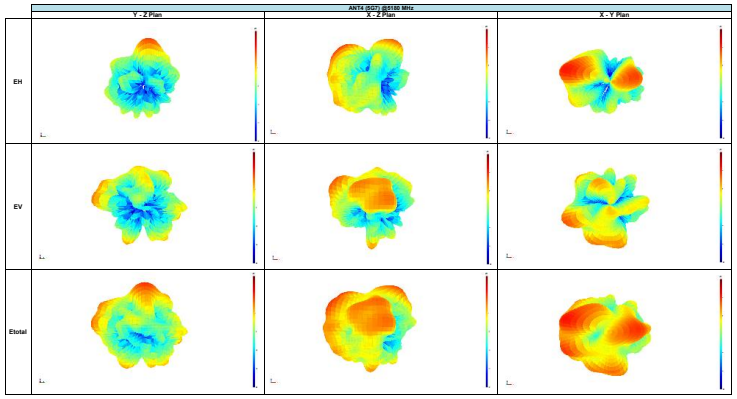
EH - 5180 MHz



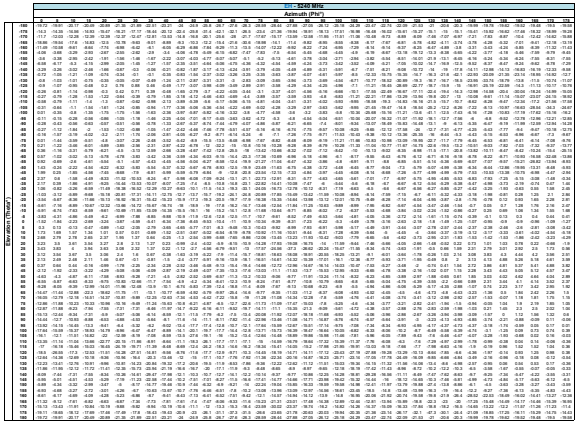
EV - 5180 MHz



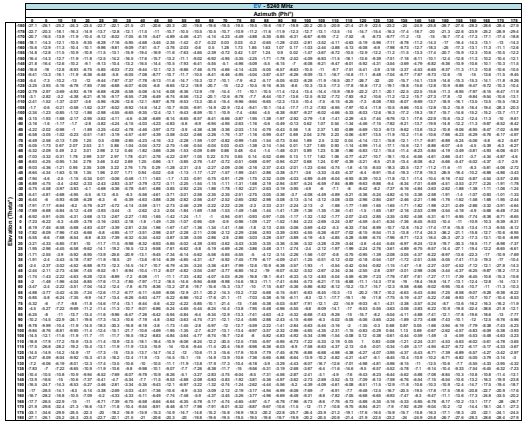
ANT4 (5G7) @5180 MHz



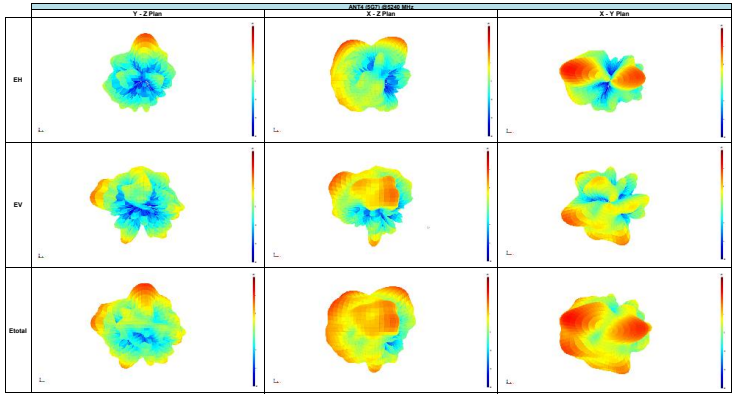
EH - 5240 MHz



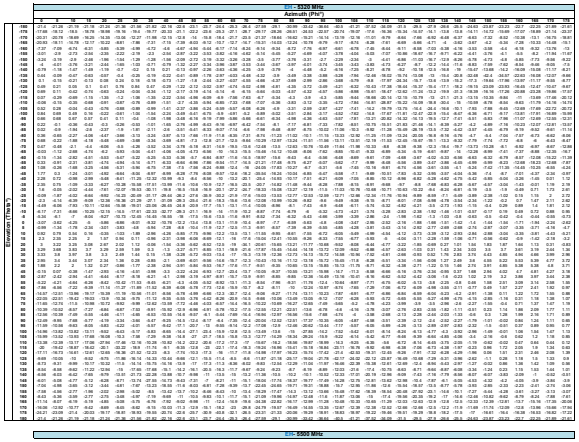
EV - 5240 MHz



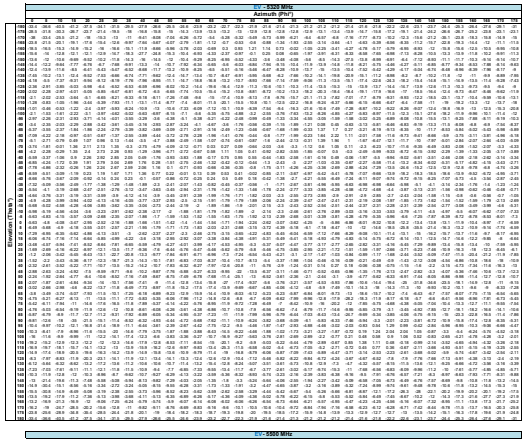
ANT4 (5G7) @5240 MHz



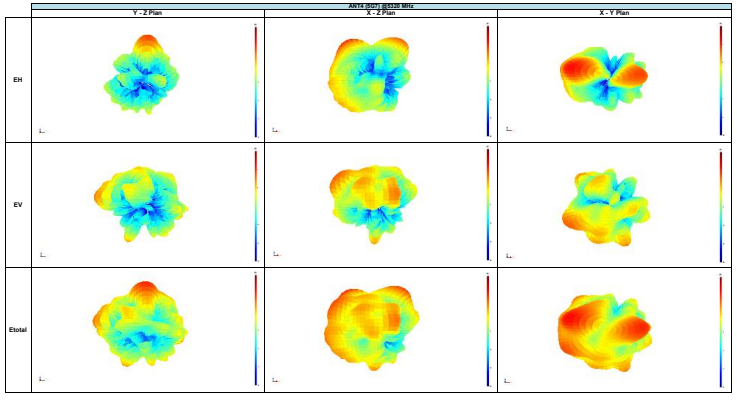
EH - 5320 MHz



EV - 5320 MHz



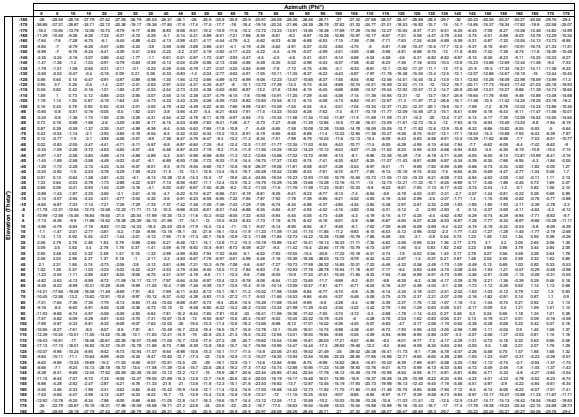
ANT4 (5G7) @5320 MHz

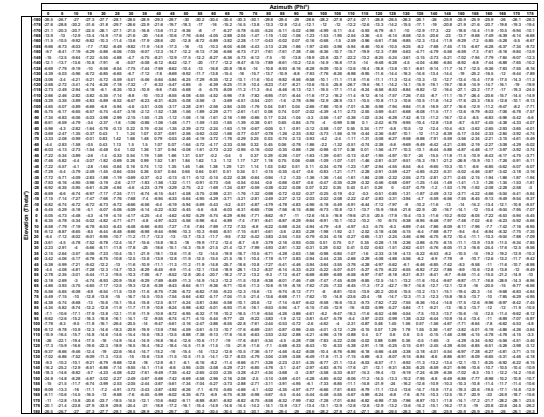


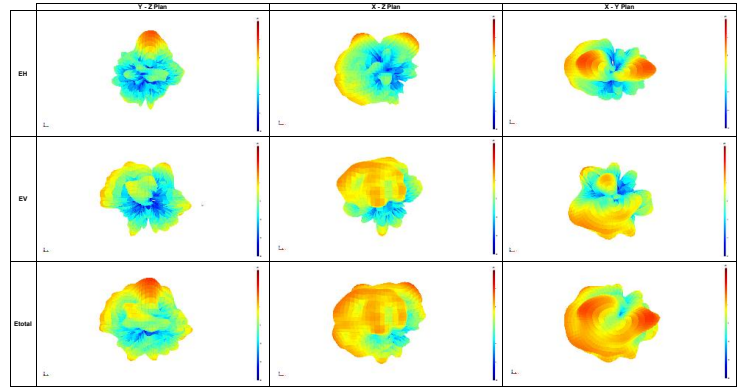
EH - 5500 MHz

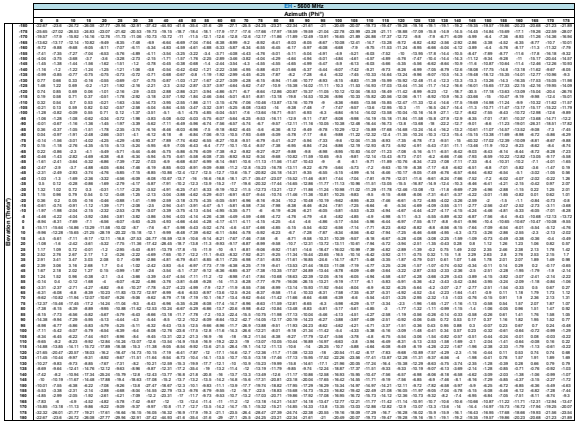
EV - 5500 MHz

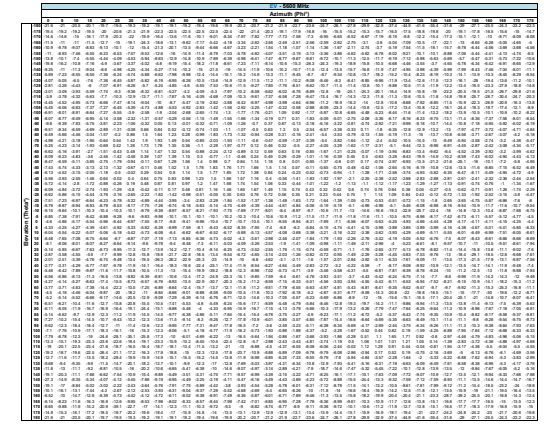
ANT4 (5G7) @5500 MHz

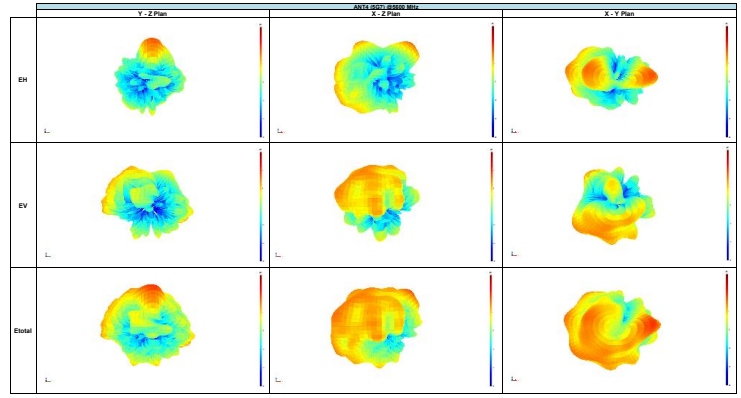

Azimuth (Phi°)
Elevation (Theta°)

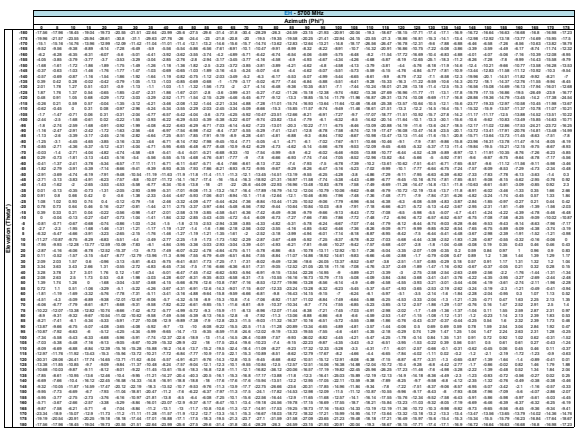

Azimuth (Phi°)
Elevation (Theta°)

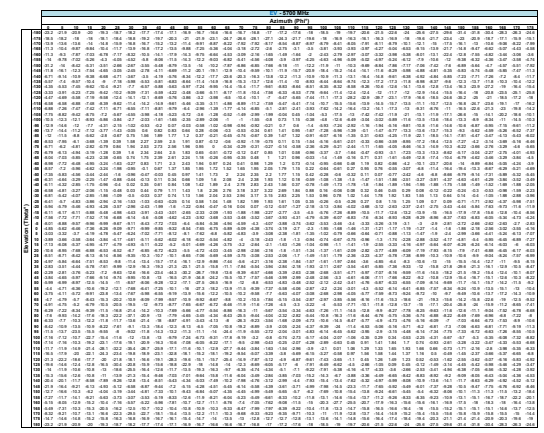

Y - Z Plan
X - Z Plan
X - Y Plan
EH
EV
Etotal

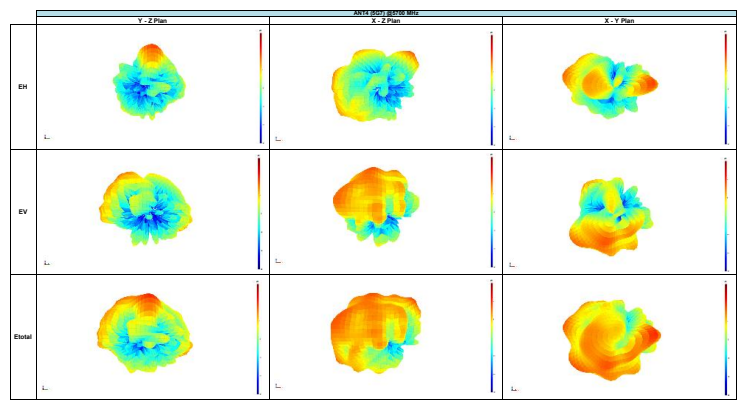

EV - 5600 MHz
Azimuth (Phi°)
Elevation (Theta°)


EV - 5600 MHz
Azimuth (Phi°)
Elevation (Theta°)

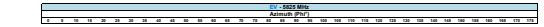

ANT4 (5G7) @5600 MHz
Y - Z Plan
X - Z Plan
X - Y Plan
EH
EV
Etotal

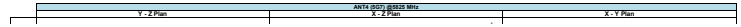

EV - 5700 MHz
Azimuth (Phi°)
Elevation (Theta°)

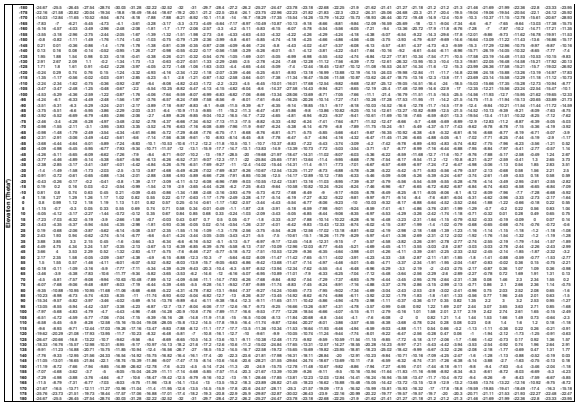

EV - 5700 MHz
Azimuth (Phi°)
Elevation (Theta°)

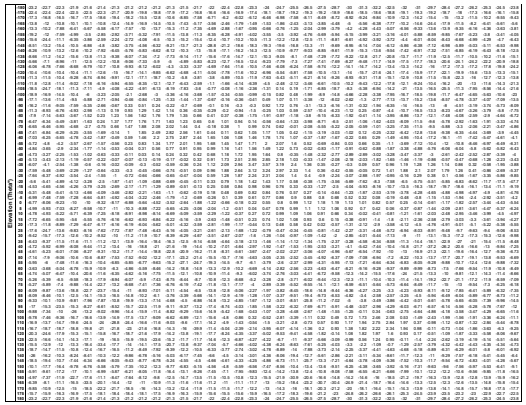

ANT4 (5G7) @5700 MHz
Y - Z Plan
X - Z Plan
X - Y Plan
EH
EV
Etotal

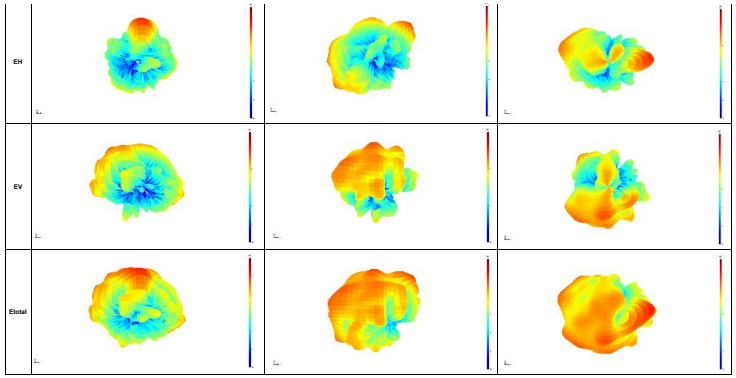
EV - 5825 MHz
Azimuth (Phi°)


EV - 5825 MHz
Azimuth (Phi°)


ANT4 (5G7) @5825 MHz
Y - Z Plan
X - Z Plan
X - Y Plan


Elevation (Tilted)


Elevation (Tilted)


EH
EV
Etotal

DG PH - 5180MHz

Elevation (Theta°) \ Azimuth (Phi°)	0–175 (step 5)
-180	[illegible]
-175	[illegible]
-170	[illegible]
-165	[illegible]
-160	[illegible]
-155	[illegible]
-150	[illegible]
-145	[illegible]
-140	[illegible]
-135	[illegible]
-130	[illegible]
-125	[illegible]
-120	[illegible]
-115	[illegible]
-110	[illegible]
-105	[illegible]
-100	[illegible]
-95	[illegible]
-90	[illegible]
-85	[illegible]
-80	[illegible]
-75	[illegible]
-70	[illegible]
-65	[illegible]
-60	[illegible]
-55	[illegible]
-50	[illegible]
-45	[illegible]
-40	[illegible]
-35	[illegible]
-30	[illegible]
-25	[illegible]
-20	[illegible]
-15	[illegible]
-10	[illegible]
-5	[illegible]
0	[illegible]
5	[illegible]
10	[illegible]
15	[illegible]
20	[illegible]
25	[illegible]
30	[illegible]
35	[illegible]
40	[illegible]
45	[illegible]
50	[illegible]
55	[illegible]
60	[illegible]
65	[illegible]
70	[illegible]
75	[illegible]
80	[illegible]
85	[illegible]
90	[illegible]
95	[illegible]
100	[illegible]
105	[illegible]
110	[illegible]
115	[illegible]
120	[illegible]
125	[illegible]
130	[illegible]
135	[illegible]
140	[illegible]
145	[illegible]
150	[illegible]
155	[illegible]
160	[illegible]
165	[illegible]
170	[illegible]
175	[illegible]
180	[illegible]

DG PV - 5180 MHz

Elevation (Theta°) \ Azimuth (Phi°)	0–175 (step 5)
-180 to 180 (step 5)	[illegible]

DG PH- 5240 MHz

Elevation (Theta°) \ Azimuth (Phi°)	0–175 (step 5)
-180 to 180 (step 5)	[illegible]

DG PV - 5240MHz

Elevation (Theta°) \ Azimuth (Phi°)	0–175 (step 5)
-180 to 180 (step 5)	[illegible]

DG PH- 5320 MHz

Elevation (Theta°) \ Azimuth (Phi°)	0–175 (step 5)
-180 to 140 (step 5)	[illegible]

DG PV - 5320MHz

Elevation (Theta°) \ Azimuth (Phi°)	0–175 (step 5)
-180 to 140 (step 5)	[illegible]

DQ PH - 550 MHz
Azimuth (PH°)
Elevation (Theta°)

DQ PV - 550 MHz
Azimuth (PV°)
Elevation (Theta°)

DQ PH - 640 MHz
Azimuth (PH°)
Elevation (Theta°)

DQ PV - 640 MHz
Azimuth (PV°)
Elevation (Theta°)

DQ PH - 3700 MHz
Azimuth (PH°)
Elevation (Theta°)

DQ PV - 3700 MHz
Azimuth (PV°)
Elevation (Theta°)

DD PF - 692 MHz
Azimuth (PA°)

Elevation (Tilt°)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
1	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
2	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
3	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
4	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
5	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
6	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
7	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
8	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
9	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
10	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
11	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
12	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
13	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
14	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
15	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
16	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
17	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
18	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
19	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
20	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000

DD PF - 1023MHz
Azimuth (PA°)

Elevation (Tilt°)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175
0	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
1	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
2	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
3	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
4	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
5	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
6	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
7	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
8	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
9	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
10	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
11	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
12	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
13	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
14	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
15	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
16	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
17	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
18	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
19	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
20	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000