承 認 書

SPECIFICATION FOR APPROVAL

致 大鵬科技股份有限公司

送樣日期: 111 年 8 月 15 日

機 種:
Machinery 8403HBPADC10

板材尺寸: 2L FR4 0.6mm

規格: 化金 3X8 PCS/PNL

此承認書均照貴司GERBER製作

認可章	簽	認
	簽准	
	校對	
	設計	

＊承認書專用章＊
2022.08.15
寰電實業有限公司 代表號:(03)-4937021

公司: 寰電實業有限公司
地址: 桃園縣平鎮市崇德街87號
電話: (03)493-7021
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寰 電 實 業 有 限 公 司
UNIVERSAL ELECTRONICAL ENTERPRISE CO．, LTD．
桃園縣平鎮市崇德街 87 號
TEL(03)4937021 FAX:(03)4931602
E-mail:kwpcb.one@msa.hinet.net

PCB 製作規格表

客戶名稱: 大鵬　　日期: 111/08/15

客戶料號	8403HBPADC10	廠內料號	

1. PCB 層數: □單面板 ■雙面板 □四層板 □_____板

2. PCB 材質: ■ FR-4 □ CEM-1 □電木板 □其他

3.PCB 成品板厚: □ 1.6mm □ 1.2mm □1.0mm □ 0.85mm ■ 0.6 mm

4.銅箔厚度: □ 內層 1 oz 外層■1.0oz □ 0.5oz □ 2oz

5.電鍍: □無鉛噴錫 ■化金 2 U □鍍金 □噴錫+金手指 □OSP □_____

6.防焊: 2 面. 顏色: ■ 綠色 □藍色 □黃色 □黑色 □____色

7.文字: 2 面. 顏色: ■白色 □黑色 □_____色

8.外型: 單片尺寸 45 x 10 mm. PNL 排板: 3 x 8 PCS/PNL

連片 PNL 尺寸 149 x 180 mm

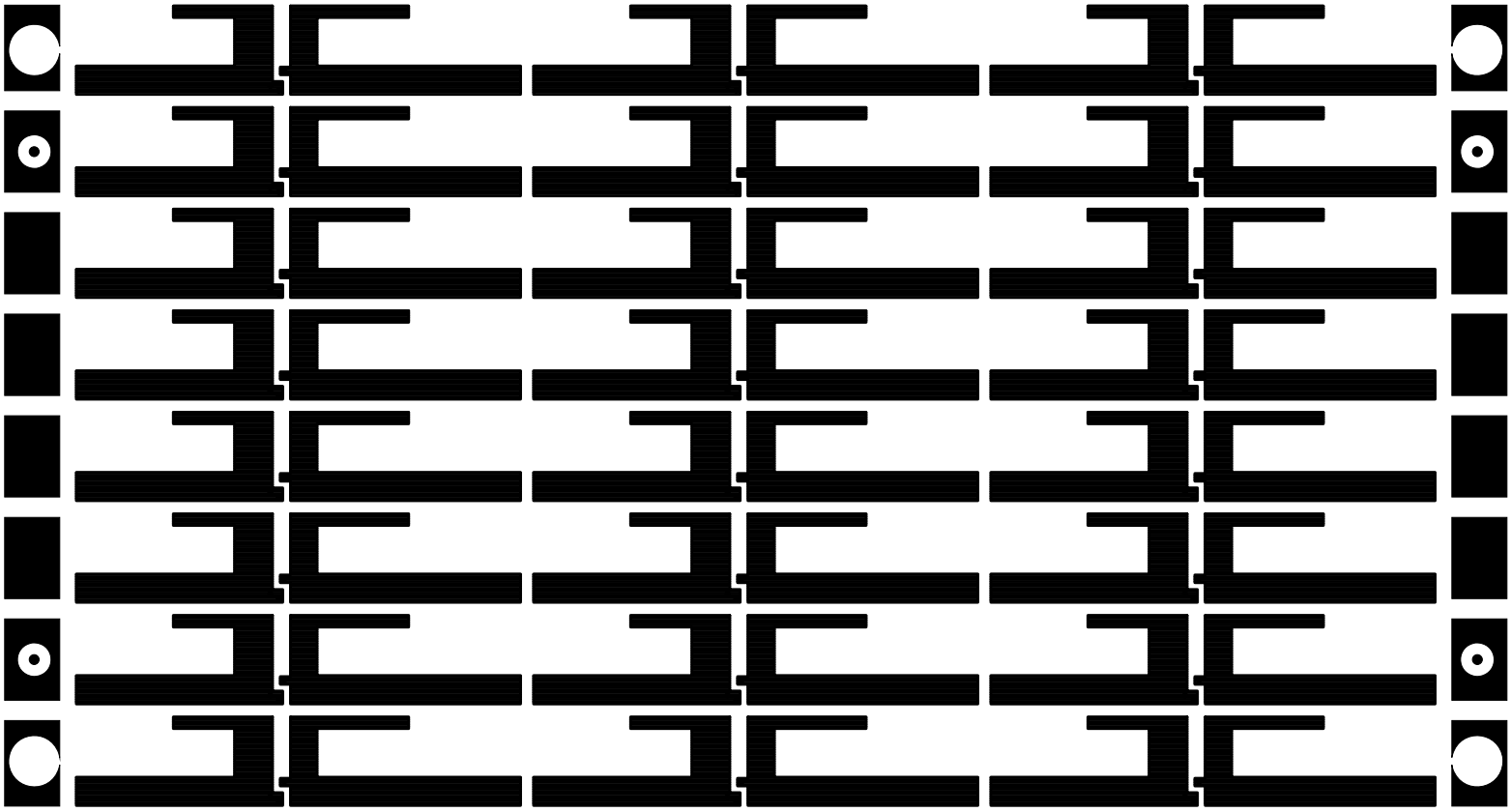
9.金手指規格: 鍍金厚度_____U 斜邊角度_____ 斜邊深度_____

10.測試: □外測 □開治具 □其它_____

11.附件: ■客戶成品孔徑表 ■機構圖 ■材質證明 ■底片 1 套

■實物板 1 片 ■ UL 黃卡 ■外測報告

CAM350 V 9.5.2 : Mon Aug 15 13:40:19 2022 - (Untitled) : 8403HBPADC10.TO



ANT 1

Frequency	2.3GHz	2.31GHz	2.32GHz	2.33GHz	2.34GHz	2.35GHz	2.36GHz	2.37GHz	2.38GHz	2.39GHz	2.4GHz	2.41GHz	2.42GHz	2.43GHz	2.44GHz	2.45GHz	2.46GHz	2.47GHz	2.48GHz	2.49GHz	2.5GHz
Ant. Port Inp. Pow. (dBi)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rad. Pow. (dBi)	-3.15	-3.13	-3.07	-3.24	-3.48	-3.38	-3.3	-3.16	-3.19	-2.96	-3.22	-3.18	-3.09	-3.12	-3.34	-3.44	-3.32	-3.29	-3.5	-3.49	-3.04
Rad. Pow. 0-90 (dBi)	-5.87	-5.87	-5.81	-5.96	-6.2	-6.08	-5.98	-5.82	-5.91	-5.74	-5.99	-5.94	-6.21	-6.3	-6.57	-6.73	-6.64	-6.57	-7.01	-6.98	-6.56
Rad. Pow. 90-180 (dBi)	-6.48	-6.43	-6.38	-6.56	-6.79	-6.73	-6.67	-6.55	-6.51	-6.22	-6.48	-6.46	-6	-5.97	-6.15	-6.18	-6.04	-6.05	-6.05	-6.06	-5.59
Peak EIRP (dBi)	1.51	1.49	1.86	1.82	1.4	1.4	1.83	2.2	2.42	2.74	2.52	2.89	2.92	2.8	2.47	2.46	2.54	2.51	2.43	2.37	2.89
Directivity (dBi)	4.66	4.62	4.93	5.06	4.88	4.78	5.13	5.36	5.61	5.7	5.74	6.07	6.01	5.92	5.81	5.9	5.86	5.8	5.93	5.86	5.93
Efficiency (dB)	-3.15	-3.13	-3.07	-3.24	-3.48	-3.38	-3.3	-3.16	-3.19	-2.96	-3.22	-3.18	-3.09	-3.12	-3.34	-3.44	-3.32	-3.29	-3.5	-3.49	-3.04
Efficiency (%)	48.42	48.64	49.32	47.42	44.87	45.92	46.77	48.31	47.97	50.58	47.64	48.08	49.09	48.75	46.34	45.29	46.56	46.88	44.67	44.77	49.66
Gain (dBi)	1.51	1.49	1.86	1.82	1.4	1.4	1.83	2.2	2.42	2.74	2.52	2.89	2.92	2.8	2.47	2.46	2.54	2.51	2.43	2.37	2.89
NHPRP +/-30 (dBi)	-5.47	-5.45	-5.38	-5.52	-5.75	-5.66	-5.58	-5.51	-5.55	-5.39	-5.83	-5.94	-5.77	-5.96	-6.3	-6.49	-6.46	-6.44	-6.5	-6.65	-6.28
NHPRP +/-45 (dBi)	-4.27	-4.26	-4.19	-4.35	-4.59	-4.51	-4.42	-4.33	-4.38	-4.19	-4.56	-4.63	-4.5	-4.63	-4.93	-5.09	-5.02	-4.98	-5.1	-5.17	-4.75
Maximum H+V Value (dBi)	1.51	1.49	1.86	1.82	1.4	1.4	1.83	2.2	2.42	2.74	2.52	2.89	2.92	2.8	2.47	2.46	2.54	2.51	2.43	2.37	2.89
Maximum H+V @ Theta (deg.)	60	60	60	60	60	135	135	135	135	135	135	135	135	135	135	135	135	105	105	105	105
Maximum H+V @ Phi (deg.)	135	135	135	135	135	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225
Minimum H+V Value (dBi)	-19.86	-20.14	-19.54	-17.92	-20.22	-20.54	-17.64	-15.49	-18.38	-21.3	-18.66	-17.73	-16.08	-18.42	-13.7	-13.62	-13.74	-12.81	-16.41	-18.33	-16.87
Minimum H+V @ Theta (deg.)	45	45	45	45	45	45	45	135	135	135	135	105	105	105	75	75	75	120	60	60	60
Minimum H+V @ Phi (deg.)	240	240	240	255	255	255	255	75	15	90	105	120	90	105	330	330	105	30	45	45	45
Horizontal ()																					
Ant. Port Inp. Pow. (dBi)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H Rad. Pow. (dBi)	-7.59	-7.2	-6.98	-6.89	-6.83	-6.43	-6.14	-5.81	-6.04	-5.55	-6	-6.09	-6.1	-6.06	-6.14	-6.02	-5.87	-6.14	-6.42	-6.28	-5.8
H Rad. Pow. 0-90 (dBi)	-10.5	-10.06	-9.82	-9.7	-9.61	-9.19	-8.86	-8.48	-8.85	-8.35	-8.82	-9	-9.38	-9.43	-9.63	-9.64	-9.63	-10.05	-10.43	-10.44	-10.05
H Rad. Pow. 90-180 (dBi)	-10.71	-10.36	-10.17	-10.11	-10.08	-9.71	-9.46	-9.19	-9.27	-8.77	-9.21	-9.2	-8.85	-8.74	-8.72	-8.5	-8.24	-8.41	-8.62	-8.39	-7.84
H Peak EIRP (dBi)	-0.4	-0.21	-0.44	-0.49	-0.25	0.3	0.8	1.55	1.12	1.75	1.53	1.65	1.53	1.69	1.48	1.58	1.66	0.99	-0.11	0.06	0.45
H Directivity (dBi)	7.19	6.99	6.54	6.4	6.58	6.73	6.94	7.36	7.16	7.3	7.53	7.74	7.63	7.75	7.62	7.6	7.53	7.13	6.31	6.34	6.25
H Efficiency (dB)	-7.59	-7.2	-6.98	-6.89	-6.83	-6.43	-6.14	-5.81	-6.04	-5.55	-6	-6.09	-6.1	-6.06	-6.14	-6.02	-5.87	-6.14	-6.42	-6.28	-5.8
H Efficiency (%)	17.42	19.05	20.04	20.46	20.75	22.75	24.32	26.24	24.89	27.86	25.12	24.6	24.55	24.77	24.32	25	25.88	24.32	22.8	23.55	26.3
H Gain (dBi)	-0.4	-0.21	-0.44	-0.49	-0.25	0.3	0.8	1.55	1.12	1.75	1.53	1.65	1.53	1.69	1.48	1.58	1.66	0.99	-0.11	0.06	0.45
H NHPRP +/-30 (dBi)	-9.71	-9.29	-9.08	-8.98	-8.94	-8.57	-8.3	-8.09	-8.37	-8	-8.72	-9.06	-8.93	-9.07	-9.3	-9.29	-9.29	-9.68	-9.65	-9.78	-9.42
H NHPRP +/-45 (dBi)	-8.72	-8.31	-8.08	-7.98	-7.92	-7.55	-7.27	-7.02	-7.32	-6.87	-7.5	-7.78	-7.69	-7.76	-7.94	-7.88	-7.82	-8.18	-8.28	-8.27	-7.84
Maximum H Value (dBi)	-0.4	-0.21	-0.44	-0.49	-0.25	0.3	0.8	1.55	1.12	1.75	1.53	1.65	1.53	1.69	1.48	1.58	1.66	0.99	-0.11	0.06	0.45
Maximum H @ Theta (deg.)	90	90	90	90	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	120	120
Maximum H @ Phi (deg.)	75	75	75	60	225	225	225	210	225	225	225	225	225	225	225	225	225	225	225	225	225
Minimum H Value (dBi)	-41.7	-35.33	-33.35	-48.45	-36.72	-31.97	-35.39	-33.28	-36.12	-35.17	-38.86	-27.34	-34.24	-32.12	-29.34	-40.1	-33.64	-35.5	-30.73	-34.96	-37.63
Minimum H @ Theta (deg.)	45	15	165	150	15	15	15	150	165	150	150	15	15	0	120	165	15	75	0	0	0
Minimum H @ Phi (deg.)	285	330	15	0	330	0	0	45	15	75	75	165	165	165	15	285	180	240	0	0	0
Vertical ()																					
Ant. Port Inp. Pow. (dBi)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
V Rad. Pow. (dBi)	-5.09	-5.29	-5.34	-5.69	-6.17	-6.35	-6.49	-6.56	-6.36	-6.44	-6.46	-6.3	-6.11	-6.21	-6.57	-6.92	-6.85	-6.46	-6.59	-6.73	-6.32
V Rad. Pow. 0-90 (dBi)	-7.7	-7.95	-8	-8.35	-8.85	-8.99	-9.13	-9.2	-8.99	-9.19	-9.19	-8.89	-9.07	-9.2	-9.52	-9.84	-9.67	-9.16	-9.66	-9.58	-9.13
V Rad. Pow. 90-180 (dBi)	-8.54	-8.69	-8.72	-9.09	-9.54	-9.77	-9.9	-9.97	-9.8	-9.74	-9.79	-9.77	-9.17	-9.24	-9.65	-10.02	-10.06	-9.81	-9.55	-9.9	-9.54
V Peak EIRP (dBi)	1.41	1.34	1.65	1.54	1.04	0.88	0.56	0.18	0.13	0.36	0.17	0.21	-0.21	-0.01	-0.19	-0.68	-0.65	-0.32	-0.44	-0.72	-0.07
V Directivity (dBi)	6.5	6.63	6.99	7.23	7.21	7.23	7.05	6.74	6.49	6.8	6.63	6.51	5.9	6.2	6.38	6.24	6.2	6.14	6.15	6.01	6.25
V Efficiency (dB)	-5.09	-5.29	-5.34	-5.69	-6.17	-6.35	-6.49	-6.56	-6.36	-6.44	-6.46	-6.3	-6.11	-6.21	-6.57	-6.92	-6.85	-6.46	-6.59	-6.73	-6.32
V Efficiency (%)	30.97	29.58	29.24	26.98	24.15	23.17	22.44	22.08	23.12	22.7	22.59	23.44	24.49	23.93	22.03	20.32	20.65	22.59	21.93	21.23	23.33
V Gain (dBi)	1.41	1.34	1.65	1.54	1.04	0.88	0.56	0.18	0.13	0.36	0.17	0.21	-0.21	-0.01	-0.19	-0.68	-0.65	-0.32	-0.44	-0.72	-0.07
V NHPRP +/-30 (dBi)	-7.52	-7.76	-7.79	-8.12	-8.6	-8.77	-8.9	-8.99	-8.76	-8.85	-8.97	-8.84	-8.64	-8.87	-9.32	-9.73	-9.67	-9.24	-9.38	-9.54	-9.16
V NHPRP +/-45 (dBi)	-6.2	-6.43	-6.47	-6.83	-7.3	-7.48	-7.6	-7.67	-7.48	-7.57	-7.65	-7.51	-7.34	-7.53	-7.94	-8.32	-8.24	-7.8	-7.95	-8.09	-7.69
Maximum V Value (dBi)	1.41	1.34	1.65	1.54	1.04	0.88	0.56	0.18	0.13	0.36	0.17	0.21	-0.21	-0.01	-0.19	-0.68	-0.65	-0.32	-0.44	-0.72	-0.07
Maximum V @ Theta (deg.)	60	60	60	60	60	60	60	60	60	60	75	90	90	90	90	90	90	90	105	90	90
Maximum V @ Phi (deg.)	135	135	135	135	135	135	135	135	135	135	150	165	165	165	165	165	165	180	225	180	180
Minimum V Value (dBi)	-36.92	-31.91	-28.45	-30.37	-31.37	-34.52	-33.78	-31.49	-30.59	-28.01	-34.25	-31.84	-30.79	-26.41	-29.47	-34.43	-32.14	-37.4	-30.51	-35.11	-33.19
Minimum V @ Theta (deg.)	90	90	90	120	90	90	45	45	135	45	45	120	135	135	15	30	30	120	0	30	45
Minimum V @ Phi (deg.)	90	90	90	285	90	90	285	285	120	255	225	60	90	90	60	60	60	45	255	75	60

2.51GHz	2.52GHz	2.53GHz	2.54GHz	2.55GHz	2.56GHz	2.57GHz	2.58GHz	2.59GHz	2.6GHz	4.5GHz	4.52GHz	4.54GHz	4.56GHz	4.58GHz	4.6GHz	4.62GHz	4.64GHz	4.66GHz	4.68GHz	4.7GHz	4.72GHz	4.74GHz	4.76GHz
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-2.88	-2.95	-3.2	-3.18	-3.09	-2.93	-2.86	-2.99	-3.28	-2.56	-4.48	-4.27	-4.92	-3.84	-3.66	-3.22	-3.68	-3.67	-4.3	-3.75	-3.59	-4.01	-3.64	-3.99
-6.28	-6.3	-6.57	-6.56	-6.43	-6.17	-6.02	-6.11	-6.34	-5.54	-6.16	-5.96	-6.62	-5.55	-5.37	-4.95	-5.44	-5.47	-6.16	-5.67	-5.61	-6.07	-5.77	-6.15
-5.53	-5.64	-5.87	-5.84	-5.79	-5.72	-5.72	-5.88	-6.23	-5.59	-9.44	-9.19	-9.79	-8.72	-8.53	-8.06	-8.44	-8.36	-8.88	-8.21	-7.9	-8.22	-7.76	-8.06
2.87	2.45	2.15	1.87	1.54	1.54	1.39	1.25	1.01	1.83	1	1.48	0.77	1.53	1.47	1.79	1.22	1.28	0.55	1.08	1.33	1.11	1.53	1.31
5.75	5.4	5.35	5.05	4.63	4.47	4.25	4.24	4.29	4.39	5.48	5.75	5.69	5.37	5.13	5.01	4.9	4.95	4.85	4.83	4.92	5.12	5.17	5.3
-2.88	-2.95	-3.2	-3.18	-3.09	-2.93	-2.86	-2.99	-3.28	-2.56	-4.48	-4.27	-4.92	-3.84	-3.66	-3.22	-3.68	-3.67	-4.3	-3.75	-3.59	-4.01	-3.64	-3.99
51.52	50.7	47.86	48.08	49.09	50.93	51.76	50.23	46.99	55.46	35.65	37.41	32.21	41.3	43.05	47.64	42.85	42.95	37.15	42.17	43.75	39.72	43.25	39.9
2.87	2.45	2.15	1.87	1.54	1.54	1.39	1.25	1.01	1.83	1	1.48	0.77	1.53	1.47	1.79	1.22	1.28	0.55	1.08	1.33	1.11	1.53	1.31
-6.07	-6.13	-6.4	-6.41	-6.3	-6.13	-6.06	-6.2	-6.5	-5.81	-7.59	-7.34	-7.92	-6.76	-6.51	-6.03	-6.45	-6.41	-7.03	-6.49	-6.37	-6.81	-6.45	-6.8
-4.56	-4.6	-4.86	-4.86	-4.75	-4.58	-4.5	-4.63	-4.92	-4.2	-5.97	-5.74	-6.35	-5.23	-5.01	-4.55	-4.97	-4.94	-5.55	-5.01	-4.88	-5.31	-4.94	-5.3
2.87	2.45	2.15	1.87	1.54	1.54	1.39	1.25	1.01	1.83	1	1.48	0.77	1.53	1.47	1.79	1.22	1.28	0.55	1.08	1.33	1.11	1.53	1.31
105	105	105	105	105	90	90	105	105	105	30	15	15	15	15	15	15	90	90	60	60	60	60	60
225	225	225	225	225	180	180	105	105	105	165	150	150	150	150	165	165	285	285	240	240	240	240	240
-14.33	-13.36	-15.7	-15.67	-16.17	-16.43	-16.96	-17.09	-17.91	-17.5	-20.87	-19.26	-19.78	-19.91	-18.54	-18.42	-18.93	-26.99	-23.85	-16.1	-17.21	-18.85	-21.73	-18.67
60	45	45	45	120	120	120	120	120	120	165	165	165	165	150	120	120	120	120	150	135	135	60	60
45	75	75	75	285	285	285	285	285	285	240	240	240	240	315	15	135	135	135	315	195	195	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-6.02	-6.26	-6.3	-6.07	-6.09	-6.25	-6.15	-6.17	-6.28	-5.57	-8.33	-8.15	-8.58	-7.32	-7.1	-6.41	-6.83	-6.59	-7.12	-6.53	-6.18	-6.45	-5.94	-6.24
-10.31	-10.6	-10.66	-10.38	-10.32	-10.38	-10.13	-10.02	-10	-9.18	-9.81	-9.68	-10.16	-8.93	-8.76	-8.1	-8.57	-8.38	-8.99	-8.48	-8.23	-8.56	-8.1	-8.41
-8.05	-8.25	-8.28	-8.09	-8.15	-8.37	-8.37	-8.48	-8.69	-8.06	-13.74	-13.43	-13.74	-12.42	-12.1	-11.34	-11.65	-11.31	-11.68	-10.94	-10.41	-10.6	-10	-10.29
0.06	-0.14	-0.26	-0.08	-0.08	-0.11	0.05	0.15	0.15	0.97	0.02	-0.02	-0.8	-0.06	-0.07	0.35	-0.41	0.18	-0.31	0.26	0.58	0.48	0.99	0.72
6.08	6.12	6.04	5.99	6.01	6.14	6.2	6.32	6.43	6.54	8.35	8.13	7.78	7.26	7.03	6.76	6.42	6.77	6.81	6.79	6.76	6.93	6.93	6.96
-6.02	-6.26	-6.3	-6.07	-6.09	-6.25	-6.15	-6.17	-6.28	-5.57	-8.33	-8.15	-8.58	-7.32	-7.1	-6.41	-6.83	-6.59	-7.12	-6.53	-6.18	-6.45	-5.94	-6.24
25	23.66	23.44	24.72	24.6	23.71	24.27	24.15	23.55	27.73	14.69	15.31	13.87	18.54	19.5	22.86	20.75	21.93	19.41	22.23	24.1	22.65	25.47	23.77
0.06	-0.14	-0.26	-0.08	-0.08	-0.11	0.05	0.15	0.15	0.97	0.02	-0.02	-0.8	-0.06	-0.07	0.35	-0.41	0.18	-0.31	0.26	0.58	0.48	0.99	0.72
-9.69	-9.97	-10.03	-9.8	-9.78	-9.91	-9.77	-9.74	-9.84	-9.14	-11.53	-11.26	-11.57	-10.19	-9.9	-9.14	-9.52	-9.23	-9.73	-9.1	-8.75	-9.03	-8.5	-8.77
-8.09	-8.33	-8.37	-8.13	-8.11	-8.24	-8.1	-8.07	-8.15	-7.41	-9.97	-9.74	-10.09	-8.75	-8.48	-7.74	-8.12	-7.83	-8.32	-7.71	-7.35	-7.63	-7.11	-7.39
0.06	-0.14	-0.26	-0.08	-0.08	-0.11	0.05	0.15	0.15	0.97	0.02	-0.02	-0.8	-0.06	-0.07	0.35	-0.41	0.18	-0.31	0.26	0.58	0.48	0.99	0.72
105	120	105	105	105	105	105	105	105	105	15	15	15	15	15	15	15	45	45	45	45	45	45	75
150	225	150	150	90	105	105	105	90	105	105	105	105	105	105	90	90	255	255	255	255	255	255	255
-35.81	-30.91	-31.9	-32.07	-30.1	-27.04	-26.37	-28.6	-26.2	-26.08	-29.89	-32.59	-36.41	-38.5	-35.19	-29.83	-32.22	-40.97	-30.65	-28.72	-30.76	-37.15	-32.92	-27.75
0	0	15	15	15	45	45	45	45	75	165	45	45	60	60	45	150	150	150	0	0	60	60	150
0	0	195	195	195	300	315	315	315	270	180	195	195	330	330	195	315	255	315	0	0	0	0	315
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-5.76	-5.68	-6.12	-6.3	-6.1	-5.65	-5.6	-5.83	-6.29	-5.56	-6.79	-6.56	-7.36	-6.43	-6.28	-6.06	-6.55	-6.77	-7.51	-7	-7.07	-7.67	-7.5	-7.93
-8.47	-8.32	-8.73	-8.89	-8.71	-8.24	-8.16	-8.38	-8.79	-8.01	-8.61	-8.37	-9.17	-8.22	-8.04	-7.83	-8.34	-8.59	-9.36	-8.89	-9.04	-9.68	-9.58	-10.07
-9.09	-9.1	-9.57	-9.78	-9.56	-9.12	-9.11	-9.36	-9.88	-9.23	-11.46	-11.24	-12.04	-11.14	-11.05	-10.81	-11.26	-11.42	-12.11	-11.52	-11.47	-11.97	-11.7	-12.03
0.44	0.67	0.09	-0.09	0.17	0.49	0.65	0.43	-0.09	0.79	0.34	0.47	-0.14	0.88	1.07	1.07	0.44	0.16	-0.43	0.26	0.09	-0.73	-1.17	-1.65
6.2	6.35	6.21	6.21	6.27	6.14	6.25	6.26	6.2	6.35	7.13	7.03	7.22	7.31	7.35	7.13	6.99	6.93	7.08	7.26	7.16	6.94	6.33	6.28
-5.76	-5.68	-6.12	-6.3	-6.1	-5.65	-5.6	-5.83	-6.29	-5.56	-6.79	-6.56	-7.36	-6.43	-6.28	-6.06	-6.55	-6.77	-7.51	-7	-7.07	-7.67	-7.5	-7.93
26.55	27.04	24.43	23.44	24.55	27.23	27.54	26.12	23.5	27.8	20.94	22.08	18.37	22.75	23.55	24.77	22.13	21.04	17.74	19.95	19.63	17.1	17.78	16.11
0.44	0.67	0.09	-0.09	0.17	0.49	0.65	0.43	-0.09	0.79	0.34	0.47	-0.14	0.88	1.07	1.07	0.44	0.16	-0.43	0.26	0.09	-0.73	-1.17	-1.65
-8.55	-8.44	-8.87	-9.07	-8.89	-8.49	-8.47	-8.73	-9.21	-8.52	-9.83	-9.59	-10.38	-9.39	-9.18	-8.94	-9.4	-9.63	-10.37	-9.94	-10.11	-10.78	-10.69	-11.18
-7.1	-7	-7.43	-7.62	-7.44	-7.02	-6.99	-7.25	-7.73	-7.02	-8.18	-7.95	-8.75	-7.79	-7.61	-7.38	-7.85	-8.07	-8.82	-8.36	-8.49	-9.13	-9.01	-9.47
0.44	0.67	0.09	-0.09	0.17	0.49	0.65	0.43	-0.09	0.79	0.34	0.47	-0.14	0.88	1.07	1.07	0.44	0.16	-0.43	0.26	0.09	-0.73	-1.17	-1.65
90	90	75	90	90	90	75	75	75	15	0	0	15	15	15	15	15	15	30	30	30	30	30	90
180	180	180	180	180	180	180	180	180	195	15	345	0	0	0	0	165	165	180	180	180	180	180	225
-31.68	-36.75	-29.87	-29.18	-27.79	-32.97	-30.37	-33.04	-32.4	-28.5	-32.31	-34.26	-33.25	-25.68	-25.57	-26.2	-28.36	-31.19	-32.89	-35.75	-34.22	-32.42	-35.14	-29.82
135	135	135	135	150	135	135	45	45	60	165	150	150	75	150	30	120	120	120	120	120	105	90	150
90	90	90	315	60	60	60	255	255	255	285	285	285	75	0	105	45	45	135	90	90	120	300	195

4.78GHz	4.8GHz	4.82GHz	4.84GHz	4.86GHz	4.88GHz	4.9GHz	4.92GHz	4.94GHz	4.96GHz	4.98GHz	5GHz	5.02GHz	5.04GHz	5.06GHz	5.08GHz	5.1GHz	5.12GHz	5.14GHz	5.16GHz	5.18GHz	5.2GHz	5.22GHz	5.24GHz
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-3.6	-3.6	-3.98	-3.98	-3.73	-4.12	-3.63	-3.51	-4.04	-3.66	-3.75	-3.24	-3.09	-4.36	-4.51	-5.17	-5.07	-4.38	-3.7	-3.71	-3.57	-3.47	-3.59	-3.31
-5.81	-5.85	-6.25	-6.28	-6.07	-6.47	-6.02	-5.96	-6.53	-6.18	-6.3	-5.8	-5.66	-6.96	-7.13	-7.83	-7.74	-7.07	-6.4	-6.45	-6.33	-6.26	-6.4	-6.14
-7.6	-7.53	-7.88	-7.83	-7.53	-7.9	-7.36	-7.17	-7.65	-7.21	-7.29	-6.75	-6.58	-7.82	-7.95	-8.57	-8.45	-7.74	-7.03	-7.02	-6.84	-6.71	-6.8	-6.52
1.77	1.9	1.6	1.85	2.56	2.46	3.09	3.2	2.65	3.11	3.09	3.5	3.67	2.22	1.98	1.29	1.02	1.65	2.39	2.44	2.6	2.73	2.62	3
5.37	5.5	5.58	5.83	6.29	6.58	6.72	6.71	6.69	6.77	6.84	6.74	6.76	6.58	6.49	6.46	6.09	6.03	6.09	6.15	6.17	6.2	6.21	6.31
-3.6	-3.6	-3.98	-3.98	-3.73	-4.12	-3.63	-3.51	-4.04	-3.66	-3.75	-3.24	-3.09	-4.36	-4.51	-5.17	-5.07	-4.38	-3.7	-3.71	-3.57	-3.47	-3.59	-3.31
43.65	43.65	39.99	39.99	42.36	38.73	43.35	44.57	39.45	43.05	42.17	47.42	49.09	36.64	35.4	30.41	31.12	36.48	42.66	42.56	43.95	44.98	43.75	46.67
1.77	1.9	1.6	1.85	2.56	2.46	3.09	3.2	2.65	3.11	3.09	3.5	3.67	2.22	1.98	1.29	1.02	1.65	2.39	2.44	2.6	2.73	2.62	3
-6.41	-6.38	-6.74	-6.7	-6.43	-6.78	-6.27	-6.15	-6.69	-6.32	-6.38	-5.85	-5.66	-6.92	-7.03	-7.68	-7.58	-6.89	-6.22	-6.24	-6.11	-6.04	-6.17	-5.9
-4.91	-4.89	-5.26	-5.25	-4.99	-5.36	-4.85	-4.74	-5.28	-4.9	-4.98	-4.46	-4.29	-5.56	-5.7	-6.36	-6.27	-5.59	-4.92	-4.94	-4.81	-4.72	-4.85	-4.6
1.77	1.9	1.6	1.85	2.56	2.46	3.09	3.2	2.65	3.11	3.09	3.5	3.67	2.22	1.98	1.29	1.02	1.65	2.39	2.44	2.6	2.73	2.62	3
60	60	75	105	105	105	105	105	105	105	105	105	105	105	105	105	105	90	90	90	90	90	90	90
240	240	255	135	135	135	135	135	135	135	135	135	135	135	135	135	135	285	285	285	285	285	285	285
-15.26	-15.34	-16.1	-17.91	-18.79	-17.1	-18.24	-18.15	-18.14	-19.63	-19.15	-19.64	-20.85	-23.08	-21.97	-21.57	-22.73	-21.78	-19.93	-19.09	-16.81	-16.35	-16.72	-17.03
135	165	165	90	90	150	135	135	135	30	30	150	150	150	150	150	150	150	150	150	150	150	150	105
15	240	240	15	15	300	210	210	210	135	135	330	330	330	330	330	330	330	330	330	330	285	285	315
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-5.77	-5.63	-5.99	-5.91	-5.61	-5.98	-5.46	-5.41	-5.95	-5.59	-5.7	-5.16	-4.99	-6.29	-6.35	-6.92	-6.83	-6.14	-5.49	-5.51	-5.37	-5.33	-5.5	-5.28
-7.95	-7.84	-8.22	-8.18	-7.92	-8.31	-7.84	-7.85	-8.45	-8.14	-8.27	-7.73	-7.58	-8.92	-9	-9.62	-9.55	-8.89	-8.26	-8.34	-8.25	-8.28	-8.48	-8.28
-9.8	-9.63	-9.95	-9.82	-9.47	-9.81	-9.21	-9.08	-9.55	-9.12	-9.21	-8.66	-8.46	-9.73	-9.75	-10.26	-10.15	-9.43	-8.76	-8.71	-8.51	-8.4	-8.54	-8.3
1.38	1.7	1.54	1.79	2.49	2.34	2.96	3.02	2.43	2.9	2.89	3.31	3.46	1.99	1.79	1.1	0.81	1.31	1.94	1.84	1.88	2.04	1.91	2.17
7.15	7.33	7.53	7.7	8.1	8.32	8.42	8.43	8.38	8.49	8.59	8.47	8.45	8.28	8.14	8.02	7.64	7.45	7.43	7.35	7.25	7.37	7.41	7.45
-5.77	-5.63	-5.99	-5.91	-5.61	-5.98	-5.46	-5.41	-5.95	-5.59	-5.7	-5.16	-4.99	-6.29	-6.35	-6.92	-6.83	-6.14	-5.49	-5.51	-5.37	-5.33	-5.5	-5.28
26.49	27.35	25.18	25.64	27.48	25.23	28.44	28.77	25.41	27.61	26.92	30.48	31.7	23.5	23.17	20.32	20.75	24.32	28.25	28.12	29.04	29.31	28.18	29.65
1.38	1.7	1.54	1.79	2.49	2.34	2.96	3.02	2.43	2.9	2.89	3.31	3.46	1.99	1.79	1.1	0.81	1.31	1.94	1.84	1.88	2.04	1.91	2.17
-8.29	-8.13	-8.48	-8.37	-8.07	-8.39	-7.85	-7.8	-8.36	-8.01	-8.11	-7.55	-7.36	-8.67	-8.71	-9.29	-9.2	-8.51	-7.88	-7.92	-7.82	-7.84	-8.03	-7.82
-6.91	-6.76	-7.12	-7.03	-6.72	-7.07	-6.54	-6.49	-7.05	-6.7	-6.8	-6.26	-6.08	-7.4	-7.45	-8.03	-7.95	-7.27	-6.63	-6.67	-6.56	-6.55	-6.74	-6.54
1.38	1.7	1.54	1.79	2.49	2.34	2.96	3.02	2.43	2.9	2.89	3.31	3.46	1.99	1.79	1.1	0.81	1.31	1.94	1.84	1.88	2.04	1.91	2.17
75	75	75	105	105	105	105	105	105	105	105	105	105	105	105	105	105	75	75	75	75	75	75	75
255	255	255	135	135	135	135	135	135	135	135	135	135	135	135	135	135	255	255	255	270	270	270	270
-25.23	-25.04	-35.01	-35.74	-28.63	-30.73	-36.68	-30.2	-32.83	-29.15	-33.3	-27.1	-37.04	-32.11	-41.09	-33.41	-31.36	-33.28	-30.27	-32.9	-26.38	-36.9	-34.55	-34.03
0	0	60	0	90	45	45	45	90	90	135	30	30	30	165	45	45	0	15	15	60	15	15	120
0	180	210	180	15	180	180	165	210	210	30	165	165	165	45	30	30	15	0	60	60	45	30	210
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-7.66	-7.88	-8.29	-8.42	-8.27	-8.69	-8.25	-8.02	-8.52	-8.1	-8.18	-7.72	-7.59	-8.81	-9.13	-9.97	-9.84	-9.16	-8.4	-8.41	-8.26	-8.04	-8.07	-7.7
-9.9	-10.21	-10.62	-10.8	-10.67	-11.09	-10.68	-10.47	-10.99	-10.6	-10.68	-10.26	-10.14	-11.36	-11.69	-12.54	-12.41	-11.73	-10.99	-10.97	-10.79	-10.55	-10.59	-10.24
-11.61	-11.7	-12.09	-12.18	-11.98	-12.39	-11.94	-11.67	-12.15	-11.69	-11.76	-11.25	-11.12	-12.32	-12.63	-13.48	-13.35	-12.65	-11.89	-11.93	-11.8	-11.62	-11.63	-11.24
-1.56	-1.73	-1.69	-1.8	-1.62	-2.31	-1.83	-1.7	-2.11	-1.53	-1.5	-1.11	-0.97	-2.41	-2.7	-3.65	-3.46	-2.72	-2.17	-1.89	-2	-1.81	-2.15	-1.87
6.1	6.15	6.6	6.62	6.65	6.38	6.42	6.32	6.41	6.57	6.68	6.61	6.62	6.4	6.43	6.32	6.38	6.44	6.23	6.52	6.26	6.23	5.92	5.83
-7.66	-7.88	-8.29	-8.42	-8.27	-8.69	-8.25	-8.02	-8.52	-8.1	-8.18	-7.72	-7.59	-8.81	-9.13	-9.97	-9.84	-9.16	-8.4	-8.41	-8.26	-8.04	-8.07	-7.7
17.14	16.29	14.83	14.39	14.89	13.52	14.96	15.78	14.06	15.49	15.21	16.9	17.42	13.15	12.22	10.07	10.38	12.13	14.45	14.42	14.93	15.7	15.6	16.98
-1.56	-1.73	-1.69	-1.8	-1.62	-2.31	-1.83	-1.7	-2.11	-1.53	-1.5	-1.11	-0.97	-2.41	-2.7	-3.65	-3.46	-2.72	-2.17	-1.89	-2	-1.81	-2.15	-1.87
-10.93	-11.19	-11.56	-11.66	-11.47	-11.86	-11.41	-11.16	-11.66	-11.23	-11.21	-10.73	-10.54	-11.71	-11.96	-12.78	-12.65	-11.96	-11.2	-11.17	-10.99	-10.73	-10.73	-10.35
-9.22	-9.46	-9.85	-9.98	-9.81	-10.23	-9.79	-9.55	-10.04	-9.61	-9.64	-9.16	-8.99	-10.19	-10.48	-11.33	-11.21	-10.52	-9.77	-9.77	-9.6	-9.36	-9.39	-9.02
-1.56	-1.73	-1.69	-1.8	-1.62	-2.31	-1.83	-1.7	-2.11	-1.53	-1.5	-1.11	-0.97	-2.41	-2.7	-3.65	-3.46	-2.72	-2.17	-1.89	-2	-1.81	-2.15	-1.87
90	30	30	30	30	30	105	105	105	105	105	105	105	105	105	105	75	75	75	75	75	75	75	90
225	0	0	0	0	0	255	255	255	255	255	285	285	285	285	285	240	240	240	240	240	240	240	285
-34.66	-29.15	-29.6	-31.25	-32.52	-38.65	-29.78	-26.22	-33.56	-32.73	-38.02	-36.66	-37.23	-41.43	-32.78	-34.02	-34.19	-33.28	-30.41	-30.49	-26.42	-30.98	-32.01	-28.71
120	120	150	120	15	15	90	90	135	135	60	120	60	60	150	150	15	15	90	150	165	45	45	45
90	90	165	150	285	285	60	60	240	240	270	165	270	270	300	300	105	105	165	285	255	90	90	90

5.26GHz	5.28GHz	5.3GHz	5.32GHz	5.34GHz	5.36GHz	5.38GHz	5.4GHz	5.42GHz	5.44GHz	5.46GHz	5.48GHz	5.5GHz	5.52GHz	5.54GHz	5.56GHz	5.58GHz	5.6GHz	5.62GHz	5.64GHz	5.66GHz	5.68GHz	5.7GHz	5.72GHz
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-3.38	-3.16	-3.47	-2.88	-3.14	-2.91	-3.18	-3.25	-3.61	-3.5	-3.15	-2.7	-2.64	-2.6	-2.47	-2.49	-2.66	-2.47	-2.32	-2.74	-2.43	-2.87	-3.26	-3.59
-6.23	-6.04	-6.35	-5.76	-6	-5.77	-6.03	-6.12	-6.49	-6.39	-6.06	-5.6	-5.54	-5.48	-5.36	-5.35	-5.52	-5.3	-5.12	-5.55	-5.21	-5.65	-6.01	-6.37
-6.56	-6.31	-6.62	-6.04	-6.31	-6.07	-6.35	-6.4	-6.74	-6.63	-6.26	-5.83	-5.76	-5.73	-5.6	-5.65	-5.82	-5.67	-5.54	-5.96	-5.68	-6.12	-6.54	-6.85
3.02	3.29	2.99	3.59	3.36	3.74	3.64	3.69	3.47	3.61	4.02	4.38	4.42	4.48	4.63	4.64	4.44	4.82	5.01	4.69	5.21	4.73	4.32	3.92
6.4	6.45	6.46	6.47	6.5	6.65	6.82	6.94	7.08	7.11	7.17	7.08	7.06	7.08	7.1	7.13	7.1	7.29	7.33	7.43	7.64	7.6	7.58	7.51
-3.38	-3.16	-3.47	-2.88	-3.14	-2.91	-3.18	-3.25	-3.61	-3.5	-3.15	-2.7	-2.64	-2.6	-2.47	-2.49	-2.66	-2.47	-2.32	-2.74	-2.43	-2.87	-3.26	-3.59
45.92	48.31	44.98	51.52	48.53	51.17	48.08	47.32	43.55	44.67	48.42	53.7	54.45	54.95	56.62	56.36	54.2	56.62	58.61	53.21	57.15	51.64	47.21	43.75
3.02	3.29	2.99	3.59	3.36	3.74	3.64	3.69	3.47	3.61	4.02	4.38	4.42	4.48	4.63	4.64	4.44	4.82	5.01	4.69	5.21	4.73	4.32	3.92
-5.96	-5.72	-6.02	-5.42	-5.66	-5.42	-5.66	-5.71	-6.05	-5.92	-5.55	-5.07	-4.99	-4.91	-4.77	-4.75	-4.88	-4.66	-4.47	-4.91	-4.58	-5.03	-5.41	-5.76
-4.67	-4.44	-4.75	-4.16	-4.41	-4.17	-4.43	-4.49	-4.84	-4.72	-4.36	-3.91	-3.83	-3.77	-3.64	-3.64	-3.79	-3.58	-3.4	-3.82	-3.49	-3.92	-4.29	-4.62
3.02	3.29	2.99	3.59	3.36	3.74	3.64	3.69	3.47	3.61	4.02	4.38	4.42	4.48	4.63	4.64	4.44	4.82	5.01	4.69	5.21	4.73	4.32	3.92
90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90
285	285	285	285	285	285	285	285	285	285	285	285	285	285	285	285	285	285	285	285	285	285	285	285
-17.2	-16.28	-17.56	-17.35	-18.38	-19.3	-20.17	-21.47	-19.06	-21.23	-19.63	-17.79	-17.84	-19.13	-19.95	-17.64	-16.31	-16.47	-16.25	-17.7	-17.76	-18.13	-17.92	-16.49
105	150	165	165	165	165	165	165	165	15	120	120	15	15	15	15	0	0	0	0	0	0	0	0
315	285	195	195	195	195	195	195	195	135	180	180	15	15	15	15	300	300	270	270	225	255	255	210
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-5.27	-5.03	-5.38	-4.83	-5.11	-4.89	-5.19	-5.25	-5.6	-5.46	-5.1	-4.77	-4.82	-4.8	-4.61	-4.57	-4.77	-4.49	-4.4	-4.78	-4.32	-4.76	-5.09	-5.44
-8.29	-8.08	-8.45	-7.89	-8.14	-7.92	-8.16	-8.23	-8.58	-8.41	-8.04	-7.68	-7.72	-7.66	-7.47	-7.39	-7.57	-7.23	-7.09	-7.45	-6.95	-7.37	-7.67	-8.01
-8.28	-8	-8.34	-7.8	-8.09	-7.89	-8.23	-8.3	-8.65	-8.52	-8.19	-7.88	-7.95	-7.96	-7.78	-7.79	-8.01	-7.78	-7.75	-8.17	-7.74	-8.2	-8.58	-8.93
2.35	2.79	2.48	3.11	2.78	2.93	2.66	2.55	2.15	2.27	2.77	3.13	3.16	3.22	3.43	3.48	3.39	3.85	3.92	3.62	4.12	3.7	3.38	2.93
7.62	7.82	7.86	7.94	7.89	7.82	7.85	7.8	7.75	7.73	7.87	7.9	7.98	8.02	8.04	8.05	8.16	8.34	8.32	8.4	8.44	8.46	8.47	8.37
-5.27	-5.03	-5.38	-4.83	-5.11	-4.89	-5.19	-5.25	-5.6	-5.46	-5.1	-4.77	-4.82	-4.8	-4.61	-4.57	-4.77	-4.49	-4.4	-4.78	-4.32	-4.76	-5.09	-5.44
29.72	31.41	28.97	32.89	30.83	32.43	30.27	29.85	27.54	28.44	30.9	33.34	32.96	33.11	34.59	34.91	33.34	35.56	36.31	33.27	36.98	33.42	30.97	28.58
2.35	2.79	2.48	3.11	2.78	2.93	2.66	2.55	2.15	2.27	2.77	3.13	3.16	3.22	3.43	3.48	3.39	3.85	3.92	3.62	4.12	3.7	3.38	2.93
-7.83	-7.59	-7.95	-7.39	-7.66	-7.42	-7.66	-7.71	-8.04	-7.85	-7.46	-7.08	-7.1	-7.03	-6.83	-6.74	-6.9	-6.58	-6.46	-6.84	-6.36	-6.8	-7.12	-7.48
-6.55	-6.31	-6.67	-6.11	-6.38	-6.16	-6.43	-6.49	-6.83	-6.66	-6.29	-5.93	-5.98	-5.93	-5.74	-5.67	-5.85	-5.54	-5.42	-5.79	-5.31	-5.74	-6.05	-6.38
2.35	2.79	2.48	3.11	2.78	2.93	2.66	2.55	2.15	2.27	2.77	3.13	3.16	3.22	3.43	3.48	3.39	3.85	3.92	3.62	4.12	3.7	3.38	2.93
75	75	75	75	75	75	75	75	75	75	90	90	90	90	90	90	90	90	90	90	90	90	90	90
270	270	270	270	270	270	270	270	270	270	285	285	285	285	285	285	270	270	270	270	285	285	270	270
-32.75	-35.02	-34.01	-35.53	-36.76	-31.55	-27.76	-26.71	-26.08	-27	-31.78	-25.77	-28.42	-27.33	-32.68	-26.33	-24.14	-29.7	-29.53	-28.83	-30.04	-32.39	-33.48	-30
120	60	15	15	60	15	15	15	0	0	15	0	0	0	0	0	0	45	120	120	165	165	165	165
210	30	180	180	45	180	165	165	180	180	150	180	330	165	165	165	165	315	0	0	30	30	30	30
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-7.91	-7.72	-7.95	-7.3	-7.52	-7.26	-7.49	-7.57	-7.94	-7.91	-7.55	-6.92	-6.68	-6.6	-6.56	-6.67	-6.79	-6.77	-6.51	-7	-6.95	-7.4	-7.88	-8.2
-10.47	-10.29	-10.51	-9.87	-10.09	-9.87	-10.14	-10.28	-10.68	-10.7	-10.41	-9.8	-9.58	-9.52	-9.51	-9.63	-9.78	-9.76	-9.52	-10.06	-10.02	-10.51	-11	-11.38
-11.42	-11.22	-11.47	-10.8	-11.03	-10.72	-10.89	-10.91	-11.24	-11.14	-10.72	-10.06	-9.79	-9.7	-9.63	-9.74	-9.83	-9.81	-9.52	-9.97	-9.91	-10.31	-10.79	-11.05
-2.02	-1.9	-1.95	-1.32	-1.71	-1.51	-1.8	-1.77	-2.16	-1.94	-1.37	-0.53	-0.2	0.07	0.28	0.29	0.23	0.07	0.36	-0.13	-0.11	-0.56	-1.01	-1.31
5.89	5.82	6	5.98	5.81	5.75	5.69	5.8	5.78	5.97	6.18	6.39	6.48	6.67	6.84	6.96	7.02	6.84	6.87	6.87	6.84	6.84	6.87	6.89
-7.91	-7.72	-7.95	-7.3	-7.52	-7.26	-7.49	-7.57	-7.94	-7.91	-7.55	-6.92	-6.68	-6.6	-6.56	-6.67	-6.79	-6.77	-6.51	-7	-6.95	-7.4	-7.88	-8.2
16.18	16.9	16.03	18.62	17.7	18.79	17.82	17.5	16.07	16.18	17.58	20.32	21.48	21.88	22.08	21.53	20.94	21.04	22.34	19.95	20.18	18.2	16.29	15.14
-2.02	-1.9	-1.95	-1.32	-1.71	-1.51	-1.8	-1.77	-2.16	-1.94	-1.37	-0.53	-0.2	0.07	0.28	0.29	0.23	0.07	0.36	-0.13	-0.11	-0.56	-1.01	-1.31
-10.53	-10.29	-10.46	-9.79	-10	-9.74	-9.98	-10.04	-10.39	-10.36	-10.03	-9.39	-9.14	-9.04	-9	-9.09	-9.19	-9.12	-8.83	-9.35	-9.32	-9.78	-10.28	-10.64
-9.21	-9	-9.22	-8.56	-8.78	-8.52	-8.75	-8.82	-9.19	-9.16	-8.81	-8.19	-7.93	-7.85	-7.8	-7.92	-8.01	-7.96	-7.69	-8.18	-8.15	-8.6	-9.08	-9.4
-2.02	-1.9	-1.95	-1.32	-1.71	-1.51	-1.8	-1.77	-2.16	-1.94	-1.37	-0.53	-0.2	0.07	0.28	0.29	0.23	0.07	0.36	-0.13	-0.11	-0.56	-1.01	-1.31
90	90	60	60	60	90	90	90	90	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105
285	285	225	225	225	285	285	285	285	255	285	255	285	255	255	255	255	255	255	285	285	285	285	285
-37.15	-26.29	-28.28	-30.24	-25.84	-24.54	-24.7	-25.94	-28.43	-26.72	-28.31	-33.04	-33.87	-31.84	-36.78	-31.38	-29.62	-30.57	-28.65	-28.3	-26.37	-25.76	-27.92	-28.69
30	0	75	75	0	0	30	0	0	0	0	0	0	0	0	45	0	0	15	15	15	30	15	60
75	75	165	165	75	75	255	90	90	90	75	75	75	75	75	60	75	75	285	285	285	330	270	270

5.74GHz	5.76GHz	5.78GHz	5.8GHz	5.82GHz	5.84GHz	5.86GHz	5.88GHz	5.9GHz	5.92GHz	5.94GHz	5.96GHz	5.98GHz	6GHz
0	0	0	0	0	0	0	0	0	0	0	0	0	0
-3.49	-3.38	-3.5	-2.91	-2.77	-3.05	-4	-4.32	-4.97	-4.58	-4.7	-4.58	-4.66	-3.9
-6.25	-6.14	-6.26	-5.67	-5.53	-5.81	-6.79	-7.12	-7.79	-7.39	-7.52	-7.42	-7.5	-6.77
-6.77	-6.65	-6.77	-6.19	-6.04	-6.32	-7.24	-7.55	-8.18	-7.8	-7.91	-7.78	-7.85	-7.06
4.01	4.21	4.1	4.66	5	4.8	3.73	3.5	2.75	3.09	3	3	2.91	3.58
7.5	7.59	7.6	7.57	7.77	7.85	7.73	7.82	7.72	7.67	7.7	7.58	7.57	7.48
-3.49	-3.38	-3.5	-2.91	-2.77	-3.05	-4	-4.32	-4.97	-4.58	-4.7	-4.58	-4.66	-3.9
44.77	45.92	44.67	51.17	52.84	49.55	39.81	36.98	31.84	34.83	33.88	34.83	34.2	40.74
4.01	4.21	4.1	4.66	5	4.8	3.73	3.5	2.75	3.09	3	3	2.91	3.58
-5.66	-5.54	-5.65	-5.06	-4.89	-5.16	-6.11	-6.41	-7.05	-6.65	-6.77	-6.68	-6.77	-6.03
-4.51	-4.38	-4.48	-3.88	-3.73	-4	-4.95	-5.26	-5.9	-5.52	-5.64	-5.55	-5.65	-4.91
4.01	4.21	4.1	4.66	5	4.8	3.73	3.5	2.75	3.09	3	3	2.91	3.58
90	90	90	90	90	90	90	90	90	90	90	90	90	90
285	285	285	270	270	270	270	270	270	270	270	270	270	270
-16.31	-16.23	-15.9	-15.39	-14.71	-14.65	-15.77	-15.98	-16.79	-17.58	-19.51	-21.08	-23.89	-27.03
0	45	45	45	0	0	165	165	165	150	150	150	150	150
210	45	45	45	195	195	0	345	345	285	285	285	285	285
0	0	0	0	0	0	0	0	0	0	0	0	0	0
-5.37	-5.21	-5.23	-4.72	-4.55	-4.9	-5.97	-6.35	-7.03	-6.7	-6.76	-6.61	-6.61	-5.74
-7.91	-7.75	-7.77	-7.27	-7.1	-7.42	-8.5	-8.88	-9.57	-9.22	-9.29	-9.14	-9.16	-8.33
-8.9	-8.74	-8.76	-8.25	-8.07	-8.46	-9.51	-9.9	-10.56	-10.27	-10.32	-10.16	-10.14	-9.23
3.12	3.3	3.34	3.94	4.23	4	2.85	2.59	1.81	2.12	2.08	2.08	2.04	2.81
8.49	8.51	8.57	8.66	8.78	8.9	8.82	8.94	8.84	8.82	8.84	8.69	8.65	8.55
-5.37	-5.21	-5.23	-4.72	-4.55	-4.9	-5.97	-6.35	-7.03	-6.7	-6.76	-6.61	-6.61	-5.74
29.04	30.13	29.99	33.73	35.08	32.36	25.29	23.17	19.82	21.38	21.09	21.83	21.83	26.67
3.12	3.3	3.34	3.94	4.23	4	2.85	2.59	1.81	2.12	2.08	2.08	2.04	2.81
-7.39	-7.23	-7.24	-6.73	-6.52	-6.86	-7.92	-8.28	-8.95	-8.62	-8.68	-8.55	-8.57	-7.73
-6.29	-6.12	-6.12	-5.61	-5.41	-5.76	-6.82	-7.19	-7.87	-7.54	-7.62	-7.48	-7.5	-6.65
3.12	3.3	3.34	3.94	4.23	4	2.85	2.59	1.81	2.12	2.08	2.08	2.04	2.81
90	90	90	90	90	90	90	90	90	90	90	90	90	90
270	270	270	270	270	270	270	270	270	270	270	270	270	270
-33.79	-32.04	-29.86	-35.95	-35.94	-31.18	-36.23	-34.92	-37.84	-29.52	-35.27	-29.41	-38.42	-42.59
90	30	30	30	165	165	165	165	120	165	165	165	165	165
30	15	15	15	15	15	15	15	210	30	15	15	15	15
0	0	0	0	0	0	0	0	0	0	0	0	0	0
-8.04	-8.02	-8.33	-7.58	-7.5	-7.64	-8.38	-8.59	-9.2	-8.7	-8.91	-8.86	-9.08	-8.52
-11.23	-11.22	-11.58	-10.79	-10.72	-10.9	-11.65	-11.88	-12.5	-12.03	-12.26	-12.27	-12.49	-11.99
-10.88	-10.84	-11.11	-10.41	-10.32	-10.42	-11.14	-11.34	-11.93	-11.42	-11.62	-11.51	-11.72	-11.12
-0.97	-0.95	-1.22	-0.61	-0.7	-0.87	-1.89	-2.19	-2.64	-2.52	-2.62	-2.51	-2.52	-2.04
7.07	7.07	7.11	6.97	6.8	6.77	6.49	6.4	6.56	6.18	6.29	6.35	6.56	6.48
-8.04	-8.02	-8.33	-7.58	-7.5	-7.64	-8.38	-8.59	-9.2	-8.7	-8.91	-8.86	-9.08	-8.52
15.7	15.78	14.69	17.46	17.78	17.22	14.52	13.84	12.02	13.49	12.85	13	12.36	14.06
-0.97	-0.95	-1.22	-0.61	-0.7	-0.87	-1.89	-2.19	-2.64	-2.52	-2.62	-2.51	-2.52	-2.04
-10.48	-10.46	-10.77	-10.02	-9.94	-10.06	-10.78	-10.98	-11.54	-11.04	-11.24	-11.23	-11.47	-10.94
-9.23	-9.19	-9.49	-8.73	-8.66	-8.77	-9.52	-9.72	-10.3	-9.81	-10.02	-10.01	-10.24	-9.73
-0.97	-0.95	-1.22	-0.61	-0.7	-0.87	-1.89	-2.19	-2.64	-2.52	-2.62	-2.51	-2.52	-2.04
105	105	105	105	105	105	105	105	105	105	75	75	75	75
285	285	285	285	285	285	285	285	285	285	135	135	135	135
-31.08	-29.12	-34.01	-28.71	-36	-29.65	-38.13	-33.9	-35.3	-30.75	-33.59	-30.35	-37.98	-44.87
15	15	15	150	15	45	15	45	0	0	0	30	60	60
270	270	270	270	270	75	270	75	180	180	300	210	270	270

ANT 2

Frequency	2.3GHz	2.31GHz	2.32GHz	2.33GHz	2.34GHz	2.35GHz	2.36GHz	2.37GHz	2.38GHz	2.39GHz	2.4GHz	2.41GHz	2.42GHz	2.43GHz	2.44GHz	2.45GHz	2.46GHz	2.47GHz	2.48GHz	2.49GHz	2.5GHz
Ant. Port Inp. Pow. (dBi)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rad. Pow. (dBi)	-1.84	-1.65	-1.54	-1.53	-1.74	-1.79	-1.67	-1.56	-1.62	-1.53	-1.9	-1.85	-2.26	-2.24	-2.51	-2.54	-2.44	-2.43	-2.84	-2.7	-2.19
Rad. Pow. 0-90 (dBi)	-4.62	-4.5	-4.45	-4.45	-4.68	-4.78	-4.69	-4.62	-4.73	-4.7	-5.15	-5.11	-5.61	-5.66	-5.92	-5.93	-5.67	-5.47	-5.9	-5.79	-5.29
Rad. Pow. 90-180 (dBi)	-5.09	-4.83	-4.65	-4.63	-4.82	-4.82	-4.67	-4.51	-4.52	-4.39	-4.68	-4.62	-4.95	-4.87	-5.15	-5.21	-5.24	-5.42	-5.79	-5.64	-5.11
Peak EIRP (dBi)	2.25	2.4	2.48	2.48	2.41	2.72	2.87	2.99	2.27	2.74	2.14	2.37	2.11	2.1	1.93	1.91	2.02	2.28	1.65	2.23	3.03
Directivity (dBi)	4.09	4.05	4.02	4.01	4.15	4.51	4.54	4.55	3.89	4.27	4.04	4.22	4.37	4.34	4.44	4.45	4.46	4.71	4.49	4.93	5.22
Efficiency (dB)	-1.84	-1.65	-1.54	-1.53	-1.74	-1.79	-1.67	-1.56	-1.62	-1.53	-1.9	-1.85	-2.26	-2.24	-2.51	-2.54	-2.44	-2.43	-2.84	-2.7	-2.19
Efficiency (%)	65.46	68.39	70.15	70.31	66.99	66.22	68.08	69.82	68.87	70.31	64.57	65.31	59.43	59.7	56.1	55.72	57.02	57.15	52	53.7	60.39
Gain (dBi)	2.25	2.4	2.48	2.48	2.41	2.72	2.87	2.99	2.27	2.74	2.14	2.37	2.11	2.1	1.93	1.91	2.02	2.28	1.65	2.23	3.03
NHPRP +/-30 (dBi)	-3.65	-3.53	-3.49	-3.53	-3.77	-3.86	-3.77	-3.69	-3.76	-3.76	-4.17	-4.12	-4.63	-4.67	-4.93	-4.92	-4.7	-4.59	-4.91	-4.76	-4.23
NHPRP +/-45 (dBi)	-2.53	-2.37	-2.29	-2.31	-2.54	-2.62	-2.51	-2.43	-2.5	-2.47	-2.88	-2.84	-3.32	-3.34	-3.61	-3.62	-3.45	-3.37	-3.7	-3.53	-2.99
Maximum H+V Value (dBi)	2.25	2.4	2.48	2.48	2.41	2.72	2.87	2.99	2.27	2.74	2.14	2.37	2.11	2.1	1.93	1.91	2.02	2.28	1.65	2.23	3.03
Maximum H+V @ Theta (deg.)	90	90	90	90	90	90	90	90	60	60	105	105	105	105	105	120	120	75	75	90	90
Maximum H+V @ Phi (deg.)	75	30	15	15	15	15	15	15	15	15	90	90	225	225	225	225	225	60	60	60	60
Minimum H+V Value (dBi)	-15.29	-18.83	-22.51	-19.19	-16.19	-18.06	-19.28	-27.26	-16.44	-15.23	-15.36	-13.97	-11.61	-13.5	-14.54	-14.87	-15.95	-18.14	-13.55	-15.82	-16.02
Minimum H+V @ Theta (deg.)	45	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135
Minimum H+V @ Phi (deg.)	270	255	255	255	120	120	120	120	120	120	120	120	135	135	135	135	135	135	135	135	150
Horizontal ()																					
Ant. Port Inp. Pow. (dBi)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H Rad. Pow. (dBi)	-3.35	-3.11	-3	-2.92	-3.03	-2.98	-2.79	-2.59	-2.71	-2.56	-3	-2.96	-3.52	-3.5	-3.68	-3.58	-3.39	-3.4	-3.68	-3.41	-2.8
H Rad. Pow. 0-90 (dBi)	-6.08	-5.9	-5.84	-5.76	-5.9	-5.91	-5.76	-5.62	-5.75	-5.66	-6.22	-6.16	-6.72	-6.8	-6.98	-6.86	-6.5	-6.28	-6.54	-6.33	-5.75
H Rad. Pow. 90-180 (dBi)	-6.67	-6.36	-6.19	-6.1	-6.19	-6.07	-5.85	-5.59	-5.7	-5.48	-5.81	-5.79	-6.36	-6.23	-6.41	-6.34	-6.3	-6.55	-6.86	-6.5	-5.87
H Peak EIRP (dBi)	1.85	2.16	2.18	1.95	1.82	2.18	2.28	2.46	1.92	2.15	1.97	2.32	1.05	1.34	1.39	1.59	1.98	2.28	1.62	2.21	2.99
H Directivity (dBi)	5.2	5.27	5.18	4.87	4.85	5.16	5.07	5.05	4.63	4.71	4.97	5.28	4.57	4.84	5.07	5.17	5.37	5.68	5.3	5.62	5.79
H Efficiency (dB)	-3.35	-3.11	-3	-2.92	-3.03	-2.98	-2.79	-2.59	-2.71	-2.56	-3	-2.96	-3.52	-3.5	-3.68	-3.58	-3.39	-3.4	-3.68	-3.41	-2.8
H Efficiency (%)	46.24	48.87	50.12	51.05	49.77	50.35	52.6	55.08	53.58	55.46	50.12	50.58	44.46	44.67	42.85	43.85	45.81	45.71	42.85	45.6	52.48
H Gain (dBi)	1.85	2.16	2.18	1.95	1.82	2.18	2.28	2.46	1.92	2.15	1.97	2.32	1.05	1.34	1.39	1.59	1.98	2.28	1.62	2.21	2.99
H NHPRP +/-30 (dBi)	-5.13	-4.97	-4.93	-4.89	-5.02	-4.99	-4.82	-4.62	-4.72	-4.63	-5.07	-4.99	-5.6	-5.61	-5.77	-5.66	-5.36	-5.25	-5.46	-5.21	-4.62
H NHPRP +/-45 (dBi)	-3.99	-3.79	-3.72	-3.67	-3.81	-3.77	-3.6	-3.41	-3.53	-3.41	-3.86	-3.81	-4.42	-4.41	-4.58	-4.46	-4.2	-4.12	-4.34	-4.04	-3.43
Maximum H Value (dBi)	1.85	2.16	2.18	1.95	1.82	2.18	2.28	2.46	1.92	2.15	1.97	2.32	1.05	1.34	1.39	1.59	1.98	2.28	1.62	2.21	2.99
Maximum H @ Theta (deg.)	105	105	105	105	90	90	90	90	90	60	90	90	105	105	105	105	75	75	75	90	90
Maximum H @ Phi (deg.)	15	15	15	15	15	15	15	15	90	15	105	105	90	75	75	75	60	60	60	60	60
Minimum H Value (dBi)	-31.08	-31.1	-30.92	-24.57	-23.72	-23.89	-24.87	-38.53	-20.98	-26.14	-32.47	-24.67	-25.05	-29.47	-38.87	-25.86	-24.22	-30.84	-36.4	-34.72	-32.94
Minimum H @ Theta (deg.)	15	135	135	135	135	135	135	135	135	165	165	165	165	165	135	165	135	30	30	165	165
Minimum H @ Phi (deg.)	225	255	255	120	120	120	120	120	120	180	180	195	195	195	135	195	135	330	315	270	255
Vertical ()																					
Ant. Port Inp. Pow. (dBi)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
V Rad. Pow. (dBi)	-7.16	-7.1	-6.98	-7.17	-7.63	-8	-8.08	-8.3	-8.14	-8.31	-8.39	-8.33	-8.23	-8.22	-8.78	-9.25	-9.5	-9.43	-10.36	-10.95	-11.05
V Rad. Pow. 0-90 (dBi)	-10.09	-10.12	-10.08	-10.3	-10.79	-11.17	-11.28	-11.5	-11.55	-11.71	-11.75	-11.82	-12.08	-12.01	-12.58	-13.08	-13.27	-13.18	-14.59	-15.1	-15.31
V Rad. Pow. 90-180 (dBi)	-10.26	-10.1	-9.9	-10.06	-10.49	-10.86	-10.92	-11.12	-10.78	-10.96	-11.08	-10.9	-10.54	-10.57	-11.12	-11.58	-11.86	-11.82	-12.42	-13.05	-13.09
V Peak EIRP (dBi)	1.33	1.4	1.46	1.14	0.27	-0.15	-0.25	-0.78	-0.2	-0.78	-1.33	-0.65	0.38	0.03	-0.46	-1.19	-1.89	-1.61	-1.69	-2.67	-2.82
V Directivity (dBi)	8.49	8.5	8.44	8.31	7.9	7.85	7.83	7.52	7.94	7.53	7.06	7.68	8.61	8.25	8.32	8.06	7.61	7.82	8.67	8.28	8.23
V Efficiency (dB)	-7.16	-7.1	-6.98	-7.17	-7.63	-8	-8.08	-8.3	-8.14	-8.31	-8.39	-8.33	-8.23	-8.22	-8.78	-9.25	-9.5	-9.43	-10.36	-10.95	-11.05
V Efficiency (%)	19.23	19.5	20.04	19.19	17.26	15.85	15.56	14.79	15.35	14.76	14.49	14.69	15.03	15.07	13.24	11.89	11.22	11.4	9.2	8.04	7.85
V Gain (dBi)	1.33	1.4	1.46	1.14	0.27	-0.15	-0.25	-0.78	-0.2	-0.78	-1.33	-0.65	0.38	0.03	-0.46	-1.19	-1.89	-1.61	-1.69	-2.67	-2.82
V NHPRP +/-30 (dBi)	-9.05	-9.04	-8.99	-9.23	-9.79	-10.26	-10.45	-10.83	-10.78	-11.16	-11.47	-11.5	-11.6	-11.77	-12.44	-12.97	-13.23	-13.11	-14.14	-14.8	-14.96
V NHPRP +/-45 (dBi)	-7.97	-7.92	-7.82	-8.02	-8.52	-8.93	-9.07	-9.37	-9.26	-9.58	-9.81	-9.79	-9.84	-9.97	-10.61	-11.14	-11.41	-11.32	-12.36	-13.05	-13.22
Maximum V Value (dBi)	1.33	1.4	1.46	1.14	0.27	-0.15	-0.25	-0.78	-0.2	-0.78	-1.33	-0.65	0.38	0.03	-0.46	-1.19	-1.89	-1.61	-1.69	-2.67	-2.82
Maximum V @ Theta (deg.)	90	90	90	90	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	135
Maximum V @ Phi (deg.)	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	225	300
Minimum V Value (dBi)	-31.93	-35.54	-37.02	-39.37	-40.93	-37.79	-36.38	-42.58	-29.59	-31.06	-35.09	-28.9	-37.6	-27.54	-28.79	-34.64	-29.7	-33.83	-28.33	-37.51	-31.9
Minimum V @ Theta (deg.)	120	15	15	165	30	135	60	60	165	165	165	165	135	120	45	45	45	75	105	90	45
Minimum V @ Phi (deg.)	120	90	120	330	45	105	105	105	330	330	330	15	0	45	30	30	30	60	105	30	30

2.51GHz	2.52GHz	2.53GHz	2.54GHz	2.55GHz	2.56GHz	2.57GHz	2.58GHz	2.59GHz	2.6GHz	4.5GHz	4.52GHz	4.54GHz	4.56GHz	4.58GHz	4.6GHz	4.62GHz	4.64GHz	4.66GHz	4.68GHz	4.7GHz	4.72GHz	4.74GHz	4.76GHz
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-2.2	-2.38	-2.36	-2.14	-2.1	-2.11	-1.98	-2.07	-2.22	-1.61	-1.48	-1.54	-2.06	-1.86	-1.82	-1.77	-1.55	-1.59	-2.17	-1.78	-2.18	-1.89	-1.85	-1.83
-5.36	-5.58	-5.61	-5.41	-5.41	-5.42	-5.25	-5.29	-5.34	-4.64	-5.03	-5.11	-5.62	-5.41	-5.35	-5.32	-5.09	-5.14	-5.71	-5.31	-5.72	-5.49	-5.47	-5.48
-5.06	-5.21	-5.15	-4.91	-4.82	-4.84	-4.76	-4.89	-5.12	-4.59	-4	-4.06	-4.58	-4.39	-4.36	-4.3	-4.09	-4.12	-4.7	-4.32	-4.71	-4.39	-4.32	-4.28
2.86	2.85	2.82	2.98	2.97	2.83	2.76	2.51	2.14	2.81	4.21	4.09	3.36	3.66	3.58	3.91	4.11	4.43	4.09	4.67	4.26	4.52	4.55	4.7
5.06	5.23	5.18	5.12	5.07	4.94	4.74	4.58	4.36	4.42	5.69	5.63	5.42	5.52	5.4	5.68	5.66	6.02	6.26	6.45	6.44	6.41	6.4	6.53
-2.2	-2.38	-2.36	-2.14	-2.1	-2.11	-1.98	-2.07	-2.22	-1.61	-1.48	-1.54	-2.06	-1.86	-1.82	-1.77	-1.55	-1.59	-2.17	-1.78	-2.18	-1.89	-1.85	-1.83
60.26	57.81	58.08	61.09	61.66	61.52	63.39	62.09	59.98	69.02	71.12	70.15	62.23	65.16	65.77	66.53	69.98	69.34	60.67	66.37	60.53	64.71	65.31	65.61
2.86	2.85	2.82	2.98	2.97	2.83	2.76	2.51	2.14	2.81	4.21	4.09	3.36	3.66	3.58	3.91	4.11	4.43	4.09	4.67	4.26	4.52	4.55	4.7
-4.31	-4.56	-4.57	-4.42	-4.45	-4.52	-4.38	-4.51	-4.62	-4	-4.2	-4.27	-4.78	-4.55	-4.5	-4.41	-4.07	-3.96	-4.46	-4.02	-4.41	-4.16	-4.12	-4.12
-3.02	-3.24	-3.23	-3.04	-3.04	-3.09	-2.97	-3.07	-3.2	-2.58	-2.83	-2.91	-3.43	-3.22	-3.17	-3.09	-2.79	-2.72	-3.24	-2.8	-3.17	-2.89	-2.82	-2.8
2.86	2.85	2.82	2.98	2.97	2.83	2.76	2.51	2.14	2.81	4.21	4.09	3.36	3.66	3.58	3.91	4.11	4.43	4.09	4.67	4.26	4.52	4.55	4.7
75	90	90	90	105	105	105	105	105	75	135	135	135	135	135	135	105	105	105	105	105	105	105	105
45	60	45	45	45	45	60	45	15	45	0	0	0	0	45	0	15	15	15	15	15	15	345	0
-15.71	-18.75	-22.63	-24.88	-24.01	-21.88	-20.01	-18	-17.35	-15.32	-17.16	-17.01	-18.54	-21.45	-18.79	-18.74	-18.76	-17.78	-16.9	-15.88	-15.72	-16.75	-16.75	-18.74
135	165	165	165	165	165	165	165	165	165	120	120	105	105	105	105	105	105	105	105	105	105	105	105
150	180	180	180	180	195	195	195	225	225	270	270	255	255	255	285	285	285	285	285	285	255	255	255
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-2.82	-3	-2.93	-2.7	-2.73	-2.89	-2.82	-2.94	-3.1	-2.56	-2.21	-2.27	-2.76	-2.55	-2.53	-2.42	-2.16	-2.12	-2.67	-2.29	-2.69	-2.42	-2.37	-2.38
-5.82	-6.03	-6.01	-5.8	-5.87	-6.01	-5.88	-5.96	-6.02	-5.38	-6.03	-6.1	-6.56	-6.33	-6.28	-6.16	-5.82	-5.74	-6.26	-5.87	-6.28	-6.06	-6.04	-6.08
-5.85	-6	-5.87	-5.61	-5.61	-5.8	-5.78	-5.95	-6.21	-5.78	-4.53	-4.6	-5.1	-4.91	-4.9	-4.81	-4.6	-4.6	-5.16	-4.79	-5.19	-4.88	-4.81	-4.8
2.75	2.73	2.7	2.84	2.76	2.47	2.46	2.11	2.06	2.41	4.19	4.06	3.34	3.65	3.54	3.88	4.07	4.39	4.02	4.6	4.19	4.46	4.49	4.64
5.57	5.73	5.63	5.54	5.49	5.36	5.28	5.05	5.16	4.97	6.4	6.33	6.1	6.2	6.07	6.3	6.23	6.51	6.69	6.89	6.88	6.88	6.86	7.02
-2.82	-3	-2.93	-2.7	-2.73	-2.89	-2.82	-2.94	-3.1	-2.56	-2.21	-2.27	-2.76	-2.55	-2.53	-2.42	-2.16	-2.12	-2.67	-2.29	-2.69	-2.42	-2.37	-2.38
52.24	50.12	50.93	53.7	53.33	51.4	52.24	50.82	48.98	55.46	60.12	59.29	52.97	55.59	55.85	57.28	60.81	61.38	54.08	59.02	53.83	57.28	57.94	57.81
2.75	2.73	2.7	2.84	2.76	2.47	2.46	2.11	2.06	2.41	4.19	4.06	3.34	3.65	3.54	3.88	4.07	4.39	4.02	4.6	4.19	4.46	4.49	4.64
-4.71	-4.94	-4.92	-4.76	-4.86	-5.03	-4.94	-5.1	-5.23	-4.66	-4.77	-4.84	-5.33	-5.08	-5.03	-4.89	-4.5	-4.32	-4.81	-4.38	-4.78	-4.54	-4.5	-4.52
-3.46	-3.67	-3.63	-3.44	-3.5	-3.68	-3.6	-3.74	-3.89	-3.35	-3.4	-3.48	-3.98	-3.77	-3.73	-3.6	-3.25	-3.11	-3.61	-3.19	-3.57	-3.29	-3.23	-3.23
2.75	2.73	2.7	2.84	2.76	2.47	2.46	2.11	2.06	2.41	4.19	4.06	3.34	3.65	3.54	3.88	4.07	4.39	4.02	4.6	4.19	4.46	4.49	4.64
90	90	90	90	105	105	105	105	105	105	135	135	135	135	135	135	105	105	105	105	105	105	105	105
60	60	45	45	60	60	60	60	15	15	0	0	0	0	0	0	15	15	15	15	15	15	0	0
-28.23	-34.93	-33.8	-25.97	-34.92	-44.09	-36.08	-37.1	-32.01	-25.22	-29.46	-27.15	-29.75	-34.5	-33.51	-29.42	-29.27	-26.32	-24.53	-26.13	-26.25	-26.73	-27.37	-32.81
165	0	0	165	165	150	15	15	15	15	15	15	135	120	135	135	0	0	0	75	75	75	75	75
255	90	240	180	165	135	270	270	270	270	315	315	195	180	195	195	135	135	135	270	270	270	270	270
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-10.92	-11.12	-11.46	-11.37	-10.8	-9.94	-9.56	-9.47	-9.57	-8.64	-9.58	-9.65	-10.34	-10.17	-10.03	-10.33	-10.38	-10.98	-11.83	-11.32	-11.68	-11.32	-11.28	-11.09
-15.33	-15.69	-16.11	-16.03	-15.38	-14.42	-13.95	-13.74	-13.75	-12.73	-11.9	-12.02	-12.75	-12.6	-12.5	-12.89	-13.16	-14.02	-15	-14.51	-14.88	-14.6	-14.58	-14.41
-12.87	-12.99	-13.28	-13.18	-12.66	-11.86	-11.52	-11.51	-11.66	-10.79	-13.4	-13.41	-14.03	-13.86	-13.64	-13.83	-13.64	-13.97	-14.69	-14.16	-14.51	-14.08	-14.03	-13.81
-2.19	-2.2	-2.58	-2.74	-2.53	-2.01	-1.85	-2.01	-2.51	-1.88	-2.75	-2.79	-3.19	-2.91	-2.78	-2.85	-3.05	-3.6	-4.1	-3.3	-3.62	-3.01	-2.83	-2.7
8.73	8.92	8.88	8.63	8.27	7.93	7.71	7.46	7.06	6.76	6.83	6.86	7.15	7.26	7.25	7.48	7.33	7.38	7.73	8.02	8.06	8.31	8.45	8.39
-10.92	-11.12	-11.46	-11.37	-10.8	-9.94	-9.56	-9.47	-9.57	-8.64	-9.58	-9.65	-10.34	-10.17	-10.03	-10.33	-10.38	-10.98	-11.83	-11.32	-11.68	-11.32	-11.28	-11.09
8.09	7.73	7.14	7.29	8.32	10.14	11.07	11.3	11.04	13.68	11.02	10.84	9.25	9.62	9.93	9.27	9.16	7.98	6.56	7.38	6.79	7.38	7.45	7.78
-2.19	-2.2	-2.58	-2.74	-2.53	-2.01	-1.85	-2.01	-2.51	-1.88	-2.75	-2.79	-3.19	-2.91	-2.78	-2.85	-3.05	-3.6	-4.1	-3.3	-3.62	-3.01	-2.83	-2.7
-14.96	-15.27	-15.65	-15.56	-14.96	-14.02	-13.58	-13.44	-13.48	-12.47	-13.31	-13.38	-14.09	-13.91	-13.85	-14.21	-14.34	-14.92	-15.59	-15.01	-15.37	-14.98	-14.89	-14.69
-13.19	-13.44	-13.77	-13.64	-13.02	-12.09	-11.64	-11.49	-11.52	-10.52	-11.88	-11.97	-12.67	-12.47	-12.36	-12.68	-12.77	-13.35	-14.04	-13.46	-13.78	-13.39	-13.3	-13.07
-2.19	-2.2	-2.58	-2.74	-2.53	-2.01	-1.85	-2.01	-2.51	-1.88	-2.75	-2.79	-3.19	-2.91	-2.78	-2.85	-3.05	-3.6	-4.1	-3.3	-3.62	-3.01	-2.83	-2.7
135	135	135	135	135	135	120	120	120	120	165	0	135	135	135	135	135	150	150	150	150	150	150	150
300	300	300	300	300	300	285	285	285	285	270	315	240	240	240	240	240	315	315	315	315	315	315	315
-31.15	-36.7	-33.89	-33.83	-33.75	-33.4	-36.56	-33.21	-29.68	-32.49	-31.39	-34.41	-31.31	-35.81	-33.37	-36.43	-38.37	-29.66	-42.18	-31.87	-35.33	-40.24	-35.01	-37.17
30	75	165	45	75	45	45	15	15	15	105	90	90	90	120	60	60	60	30	0	60	135	30	30
135	180	180	105	0	105	105	315	90	90	315	150	150	150	60	180	180	180	30	30	150	120	60	45

4.78GHz	4.8GHz	4.82GHz	4.84GHz	4.86GHz	4.88GHz	4.9GHz	4.92GHz	4.94GHz	4.96GHz	4.98GHz	5GHz	5.02GHz	5.04GHz	5.06GHz	5.08GHz	5.1GHz	5.12GHz	5.14GHz	5.16GHz	5.18GHz	5.2GHz	5.22GHz	5.24GHz
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-2.17	-1.79	-2.9	-2.3	-2.39	-2.59	-2.24	-2.06	-2.45	-2.03	-2.34	-1.73	-1.97	-2.39	-2.7	-2.87	-3.34	-2.5	-2.58	-1.84	-1.99	-1.76	-2.27	-2.06
-5.87	-5.52	-6.67	-6.07	-6.16	-6.33	-5.98	-5.79	-6.18	-5.82	-6.19	-5.63	-5.91	-6.41	-6.79	-7.02	-7.56	-6.76	-6.9	-6.21	-6.4	-6.18	-6.75	-6.6
-4.6	-4.17	-5.27	-4.66	-4.75	-4.97	-4.63	-4.46	-4.84	-4.38	-4.66	-4	-4.21	-4.58	-4.85	-4.97	-5.41	-4.55	-4.59	-3.82	-3.95	-3.71	-4.18	-3.94
4.52	4.97	3.93	4.73	4.81	4.61	4.87	4.99	4.55	4.91	4.6	5.13	4.99	4.55	4.41	4.31	3.97	4.9	4.85	5.86	5.73	6.08	5.62	5.76
6.69	6.76	6.83	7.03	7.2	7.2	7.11	7.05	7	6.94	6.94	6.86	6.96	6.94	7.11	7.18	7.31	7.4	7.43	7.7	7.72	7.84	7.89	7.82
-2.17	-1.79	-2.9	-2.3	-2.39	-2.59	-2.24	-2.06	-2.45	-2.03	-2.34	-1.73	-1.97	-2.39	-2.7	-2.87	-3.34	-2.5	-2.58	-1.84	-1.99	-1.76	-2.27	-2.06
60.67	66.22	51.29	58.88	57.68	55.08	59.7	62.23	56.89	62.66	58.34	67.14	63.53	57.68	53.7	51.64	46.34	56.23	55.21	65.46	63.24	66.68	59.29	62.23
4.52	4.97	3.93	4.73	4.81	4.61	4.87	4.99	4.55	4.91	4.6	5.13	4.99	4.55	4.41	4.31	3.97	4.9	4.85	5.86	5.73	6.08	5.62	5.76
-4.49	-4.13	-5.28	-4.66	-4.76	-4.93	-4.58	-4.36	-4.76	-4.37	-4.7	-4.12	-4.36	-4.83	-5.15	-5.35	-5.84	-5.02	-5.15	-4.42	-4.6	-4.36	-4.9	-4.71
-3.14	-2.76	-3.89	-3.26	-3.34	-3.52	-3.18	-3	-3.39	-2.99	-3.31	-2.72	-2.96	-3.41	-3.71	-3.89	-4.37	-3.54	-3.66	-2.92	-3.1	-2.86	-3.38	-3.18
4.52	4.97	3.93	4.73	4.81	4.61	4.87	4.99	4.55	4.91	4.6	5.13	4.99	4.55	4.41	4.31	3.97	4.9	4.85	5.86	5.73	6.08	5.62	5.76
105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105
0	0	0	345	0	345	0	0	345	0	345	0	345	345	0	0	0	0	0	345	345	0	0	345
-21.65	-24.4	-24.34	-19.25	-16.47	-17.35	-19.34	-19.12	-18.1	-16.72	-16.43	-16.68	-15.99	-15.95	-16.28	-16.96	-17.94	-16.26	-16.96	-19.15	-21.3	-21.09	-20.39	-18.05
105	105	105	105	165	120	120	120	120	120	120	120	15	15	30	30	30	30	60	60	60	60	60	60
255	255	255	255	270	270	270	270	270	270	270	270	285	285	255	270	270	270	210	210	210	210	210	210
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-2.73	-2.33	-3.47	-2.84	-2.9	-3.07	-2.7	-2.51	-2.9	-2.5	-2.82	-2.21	-2.45	-2.88	-3.18	-3.33	-3.81	-2.98	-3.09	-2.36	-2.53	-2.32	-2.84	-2.63
-6.47	-6.12	-7.29	-6.65	-6.69	-6.81	-6.4	-6.18	-6.55	-6.19	-6.55	-5.99	-6.27	-6.78	-7.16	-7.38	-7.92	-7.13	-7.29	-6.62	-6.82	-6.63	-7.2	-7.06
-5.12	-4.68	-5.79	-5.17	-5.24	-5.45	-5.11	-4.95	-5.35	-4.93	-5.21	-4.57	-4.77	-5.15	-5.39	-5.5	-5.94	-5.09	-5.16	-4.4	-4.55	-4.33	-4.81	-4.57
4.45	4.91	3.87	4.67	4.76	4.55	4.79	4.89	4.44	4.77	4.44	4.97	4.82	4.36	4.23	4.13	3.79	4.7	4.66	5.67	5.54	5.9	5.46	5.62
7.18	7.24	7.34	7.51	7.66	7.62	7.49	7.4	7.34	7.27	7.26	7.18	7.27	7.24	7.41	7.46	7.6	7.68	7.75	8.03	8.07	8.22	8.3	8.25
-2.73	-2.33	-3.47	-2.84	-2.9	-3.07	-2.7	-2.51	-2.9	-2.5	-2.82	-2.21	-2.45	-2.88	-3.18	-3.33	-3.81	-2.98	-3.09	-2.36	-2.53	-2.32	-2.84	-2.63
53.33	58.48	44.98	52	51.29	49.32	53.7	56.1	51.29	56.23	52.24	60.12	56.89	51.52	48.08	46.45	41.59	50.35	49.09	58.08	55.85	58.61	52	54.58
4.45	4.91	3.87	4.67	4.76	4.55	4.79	4.89	4.44	4.77	4.44	4.97	4.82	4.36	4.23	4.13	3.79	4.7	4.66	5.67	5.54	5.9	5.46	5.62
-4.89	-4.53	-5.69	-5.06	-5.12	-5.27	-4.89	-4.66	-5.05	-4.67	-5	-4.42	-4.66	-5.14	-5.45	-5.64	-6.13	-5.32	-5.47	-4.75	-4.93	-4.7	-5.24	-5.04
-3.58	-3.19	-4.33	-3.68	-3.73	-3.89	-3.53	-3.32	-3.72	-3.33	-3.65	-3.06	-3.29	-3.75	-4.04	-4.2	-4.69	-3.87	-4	-3.27	-3.45	-3.23	-3.75	-3.54
4.45	4.91	3.87	4.67	4.76	4.55	4.79	4.89	4.44	4.77	4.44	4.97	4.82	4.36	4.23	4.13	3.79	4.7	4.66	5.67	5.54	5.9	5.46	5.62
105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-29.64	-28.97	-28.84	-27.85	-35.78	-30.16	-31.12	-33.35	-27.39	-24.06	-28.37	-30.72	-33.78	-36.77	-33.28	-33.87	-41.55	-32.64	-29.73	-27.44	-27.81	-29.65	-32.33	-34.03
75	105	120	120	120	120	120	0	0	165	165	165	165	0	0	0	165	165	0	0	0	0	0	0
270	255	225	225	240	225	225	240	240	270	270	270	270	60	60	60	270	270	75	75	75	75	75	75
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-11.37	-11.07	-12.07	-11.63	-12	-12.37	-12.24	-12.14	-12.49	-11.89	-12.19	-11.55	-11.77	-12.11	-12.56	-12.84	-13.26	-12.3	-12.17	-11.32	-11.36	-10.95	-11.4	-11.15
-14.71	-14.43	-15.45	-15.12	-15.59	-16.12	-16.29	-16.42	-17.06	-16.79	-17.18	-16.66	-16.89	-17.29	-17.76	-18.08	-18.51	-17.56	-17.51	-16.63	-16.74	-16.28	-16.8	-16.61
-14.07	-13.76	-14.73	-14.21	-14.49	-14.75	-14.42	-14.17	-14.35	-13.58	-13.84	-13.15	-13.36	-13.68	-14.11	-14.39	-14.8	-13.83	-13.68	-12.84	-12.84	-12.46	-12.88	-12.6
-2.96	-2.48	-3.43	-2.86	-3.13	-3.32	-2.92	-2.69	-2.83	-2.14	-2.3	-1.77	-2.01	-2.39	-2.82	-3.04	-3.31	-2.25	-2.15	-1.34	-1.54	-1.25	-1.55	-1.19
8.41	8.59	8.64	8.77	8.87	9.05	9.32	9.45	9.66	9.75	9.89	9.78	9.76	9.72	9.74	9.8	9.95	10.05	10.02	9.98	9.82	9.7	9.85	9.96
-11.37	-11.07	-12.07	-11.63	-12	-12.37	-12.24	-12.14	-12.49	-11.89	-12.19	-11.55	-11.77	-12.11	-12.56	-12.84	-13.26	-12.3	-12.17	-11.32	-11.36	-10.95	-11.4	-11.15
7.29	7.82	6.21	6.87	6.31	5.79	5.97	6.11	5.64	6.47	6.04	7	6.65	6.15	5.55	5.2	4.72	5.89	6.07	7.38	7.31	8.04	7.24	7.67
-2.96	-2.48	-3.43	-2.86	-3.13	-3.32	-2.92	-2.69	-2.83	-2.14	-2.3	-1.77	-2.01	-2.39	-2.82	-3.04	-3.31	-2.25	-2.15	-1.34	-1.54	-1.25	-1.55	-1.19
-14.96	-14.67	-15.67	-15.26	-15.69	-16.13	-16.12	-16.14	-16.59	-16.14	-16.44	-15.89	-16.1	-16.47	-16.91	-17.24	-17.69	-16.76	-16.7	-15.81	-15.96	-15.58	-16.19	-16.08
-13.32	-13.02	-13.99	-13.58	-13.98	-14.42	-14.38	-14.39	-14.8	-14.28	-14.58	-14	-14.25	-14.62	-15.1	-15.42	-15.84	-14.9	-14.83	-13.98	-14.1	-13.74	-14.31	-14.16
-2.96	-2.48	-3.43	-2.86	-3.13	-3.32	-2.92	-2.69	-2.83	-2.14	-2.3	-1.77	-2.01	-2.39	-2.82	-3.04	-3.31	-2.25	-2.15	-1.34	-1.54	-1.25	-1.55	-1.19
105	150	105	105	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
300	315	300	300	315	315	315	315	315	315	315	315	315	315	315	315	315	315	315	315	315	315	315	315
-38.34	-57.65	-39.19	-34.2	-33.69	-46.48	-34.2	-36.51	-37.02	-43.99	-42.71	-42.67	-36.28	-65.37	-37.33	-46.88	-36.18	-34.89	-43.19	-38.89	-40.59	-35.47	-38.18	-37.63
30	30	30	105	90	90	90	15	150	105	105	30	105	15	75	0	60	135	135	135	45	105	15	60
45	90	90	255	105	45	45	285	105	270	270	210	270	105	150	345	60	150	150	150	15	255	165	0

5.26GHz	5.28GHz	5.3GHz	5.32GHz	5.34GHz	5.36GHz	5.38GHz	5.4GHz	5.42GHz	5.44GHz	5.46GHz	5.48GHz	5.5GHz	5.52GHz	5.54GHz	5.56GHz	5.58GHz	5.6GHz	5.62GHz	5.64GHz	5.66GHz	5.68GHz	5.7GHz	5.72GHz
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-2.1	-1.6	-1.81	-1.23	-1.47	-1.27	-1.42	-1.48	-1.72	-1.87	-1.58	-1.26	-1.05	-1	-0.78	-0.94	-1.21	-0.87	-0.69	-0.9	-0.64	-1.09	-1.73	-1.86
-6.72	-6.32	-6.62	-6.14	-6.46	-6.36	-6.59	-6.74	-7.04	-7.24	-7.01	-6.72	-6.57	-6.57	-6.45	-6.65	-6.97	-6.73	-6.57	-6.87	-6.7	-7.27	-7.93	-8.08
-3.94	-3.39	-3.55	-2.93	-3.13	-2.88	-2.99	-3.02	-3.24	-3.36	-3.05	-2.71	-2.49	-2.41	-2.16	-2.29	-2.55	-2.18	-1.99	-2.17	-1.88	-2.29	-2.92	-3.05
5.65	5.96	5.77	6.19	6.03	6.12	6.03	6.16	6.02	5.91	6.3	6.71	7.02	7.18	7.5	7.46	7.07	7.41	7.47	7.13	7.29	6.75	6	5.64
7.75	7.56	7.58	7.42	7.5	7.39	7.45	7.64	7.74	7.78	7.88	7.97	8.07	8.18	8.28	8.4	8.28	8.28	8.16	8.03	7.93	7.84	7.73	7.5
-2.1	-1.6	-1.81	-1.23	-1.47	-1.27	-1.42	-1.48	-1.72	-1.87	-1.58	-1.26	-1.05	-1	-0.78	-0.94	-1.21	-0.87	-0.69	-0.9	-0.64	-1.09	-1.73	-1.86
61.66	69.18	65.92	75.34	71.29	74.64	72.11	71.12	67.3	65.01	69.5	74.82	78.52	79.43	83.56	80.54	75.68	81.85	85.31	81.28	86.3	77.8	67.14	65.16
5.65	5.96	5.77	6.19	6.03	6.12	6.03	6.16	6.02	5.91	6.3	6.71	7.02	7.18	7.5	7.46	7.07	7.41	7.47	7.13	7.29	6.75	6	5.64
-4.77	-4.3	-4.52	-4.01	-4.26	-4.12	-4.29	-4.4	-4.67	-4.82	-4.55	-4.23	-4.07	-4.03	-3.83	-3.99	-4.28	-3.99	-3.83	-4.12	-3.87	-4.4	-5.07	-5.24
-3.23	-2.76	-2.97	-2.42	-2.66	-2.5	-2.65	-2.74	-2.98	-3.13	-2.85	-2.52	-2.34	-2.28	-2.06	-2.19	-2.47	-2.14	-1.96	-2.21	-1.94	-2.42	-3.07	-3.22
5.65	5.96	5.77	6.19	6.03	6.12	6.03	6.16	6.02	5.91	6.3	6.71	7.02	7.18	7.5	7.46	7.07	7.41	7.47	7.13	7.29	6.75	6	5.64
105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105
345	0	0	0	345	345	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
-17.19	-16.48	-17.14	-18.89	-22.07	-20.31	-21.43	-19.75	-19.42	-20.49	-19.39	-17.84	-16.05	-17.1	-18.91	-22.72	-20.4	-19.28	-19.07	-19.85	-18.97	-18.26	-18.85	-19.64
60	60	60	60	60	60	60	60	60	60	60	60	75	75	30	60	60	30	30	75	30	75	30	30
210	210	210	300	300	300	300	300	270	270	270	270	270	270	285	240	240	225	240	270	240	270	255	180
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-2.62	-2.11	-2.33	-1.76	-2.01	-1.81	-1.98	-2.07	-2.32	-2.46	-2.18	-1.9	-1.74	-1.71	-1.47	-1.59	-1.88	-1.51	-1.36	-1.58	-1.29	-1.75	-2.4	-2.57
-7.14	-6.74	-7.06	-6.6	-6.95	-6.89	-7.17	-7.39	-7.72	-7.93	-7.74	-7.52	-7.45	-7.49	-7.35	-7.53	-7.89	-7.62	-7.56	-7.88	-7.69	-8.32	-9.03	-9.28
-4.52	-3.95	-4.11	-3.48	-3.68	-3.43	-3.55	-3.57	-3.79	-3.91	-3.6	-3.29	-3.1	-3.04	-2.76	-2.86	-3.14	-2.73	-2.56	-2.74	-2.42	-2.83	-3.46	-3.61
5.52	5.85	5.67	6.1	5.93	6.02	5.9	6.06	5.95	5.86	6.27	6.69	7.01	7.17	7.5	7.46	7.07	7.4	7.46	7.12	7.27	6.73	5.99	5.63
8.14	7.96	8	7.86	7.94	7.83	7.88	8.13	8.27	8.32	8.45	8.59	8.75	8.88	8.97	9.05	8.95	8.91	8.82	8.7	8.56	8.48	8.39	8.2
-2.62	-2.11	-2.33	-1.76	-2.01	-1.81	-1.98	-2.07	-2.32	-2.46	-2.18	-1.9	-1.74	-1.71	-1.47	-1.59	-1.88	-1.51	-1.36	-1.58	-1.29	-1.75	-2.4	-2.57
54.7	61.52	58.48	66.68	62.95	65.92	63.39	62.09	58.61	56.75	60.53	64.57	66.99	67.45	71.29	69.34	64.86	70.63	73.11	69.5	74.3	66.83	57.54	55.34
5.52	5.85	5.67	6.1	5.93	6.02	5.9	6.06	5.95	5.86	6.27	6.69	7.01	7.17	7.5	7.46	7.07	7.4	7.46	7.12	7.27	6.73	5.99	5.63
-5.06	-4.59	-4.8	-4.29	-4.55	-4.42	-4.6	-4.72	-4.99	-5.14	-4.88	-4.58	-4.46	-4.44	-4.24	-4.38	-4.7	-4.39	-4.26	-4.55	-4.28	-4.82	-5.5	-5.7
-3.56	-3.07	-3.27	-2.73	-2.97	-2.81	-2.98	-3.08	-3.33	-3.47	-3.19	-2.89	-2.74	-2.7	-2.47	-2.59	-2.9	-2.54	-2.4	-2.64	-2.36	-2.84	-3.5	-3.68
5.52	5.85	5.67	6.1	5.93	6.02	5.9	6.06	5.95	5.86	6.27	6.69	7.01	7.17	7.5	7.46	7.07	7.4	7.46	7.12	7.27	6.73	5.99	5.63
105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105
0	0	0	0	0	0	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
-36.79	-29.87	-33.11	-34.53	-38.87	-39.09	-39.73	-35.31	-33.74	-30.86	-32.14	-33.58	-29.82	-30.76	-36.99	-42.61	-33.84	-26.27	-34.16	-32.32	-27.6	-27.35	-26.9	-29
0	0	135	30	0	30	135	135	135	60	30	45	0	30	30	60	135	135	150	150	30	30	30	30
75	75	300	255	90	255	300	300	300	270	300	285	255	195	240	255	135	135	135	135	180	180	180	180
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-11.53	-11.16	-11.34	-10.68	-10.85	-10.58	-10.58	-10.49	-10.66	-10.84	-10.47	-9.87	-9.4	-9.24	-9.15	-9.51	-9.63	-9.53	-9.12	-9.34	-9.25	-9.61	-10.19	-10.1
-17	-16.63	-16.81	-16.12	-16.17	-15.77	-15.63	-15.34	-15.43	-15.57	-15.15	-14.49	-13.93	-13.76	-13.72	-14.02	-14.16	-14.03	-13.5	-13.72	-13.63	-13.94	-14.43	-14.25
-12.98	-12.6	-12.78	-12.14	-12.36	-12.15	-12.21	-12.21	-12.42	-12.62	-12.27	-11.72	-11.28	-11.12	-11.02	-11.4	-11.52	-11.43	-11.09	-11.31	-11.22	-11.62	-12.24	-12.21
-1.44	-1.06	-1.26	-0.5	-0.55	-0.14	-0.11	-0.06	-0.04	-0.15	0.38	1.05	1.67	2.02	2.24	1.77	1.56	1.49	1.83	1.77	1.63	1.3	0.81	0.77
10.09	10.1	10.08	10.18	10.3	10.44	10.47	10.43	10.62	10.69	10.85	10.92	11.07	11.26	11.39	11.28	11.19	11.02	10.95	11.11	10.88	10.91	11	10.87
-11.53	-11.16	-11.34	-10.68	-10.85	-10.58	-10.58	-10.49	-10.66	-10.84	-10.47	-9.87	-9.4	-9.24	-9.15	-9.51	-9.63	-9.53	-9.12	-9.34	-9.25	-9.61	-10.19	-10.1
7.03	7.66	7.35	8.55	8.22	8.75	8.75	8.93	8.59	8.24	8.97	10.3	11.48	11.91	12.16	11.19	10.89	11.14	12.25	11.64	11.89	10.94	9.57	9.77
-1.44	-1.06	-1.26	-0.5	-0.55	-0.14	-0.11	-0.06	-0.04	-0.15	0.38	1.05	1.67	2.02	2.24	1.77	1.56	1.49	1.83	1.77	1.63	1.3	0.81	0.77
-16.54	-16.23	-16.54	-16	-16.18	-15.95	-16	-15.94	-16.14	-16.34	-15.94	-15.3	-14.71	-14.48	-14.34	-14.6	-14.64	-14.53	-14.06	-14.34	-14.29	-14.72	-15.32	-15.25
-14.62	-14.32	-14.63	-14.06	-14.24	-14.01	-14.05	-13.99	-14.17	-14.38	-14.01	-13.39	-12.84	-12.61	-12.48	-12.76	-12.79	-12.67	-12.2	-12.44	-12.33	-12.7	-13.28	-13.18
-1.44	-1.06	-1.26	-0.5	-0.55	-0.14	-0.11	-0.06	-0.04	-0.15	0.38	1.05	1.67	2.02	2.24	1.77	1.56	1.49	1.83	1.77	1.63	1.3	0.81	0.77
150	150	150	150	150	150	150	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165
315	315	315	315	315	315	315	285	285	285	285	285	285	285	285	285	285	285	285	285	285	285	285	285
-38.82	-31.49	-45.53	-40.5	-37.62	-40.7	-36.09	-34.49	-36.23	-42.19	-41.63	-48.28	-35.97	-38.57	-40.75	-36.36	-29.77	-39.1	-29.58	-26.88	-29.3	-31.19	-31.96	-27.38
30	30	135	135	135	60	60	45	75	0	75	0	0	30	15	90	135	75	135	90	30	75	105	105
210	210	210	210	210	0	0	15	195	165	195	345	0	270	345	330	225	135	225	330	240	210	315	315

5.74GHz	5.76GHz	5.78GHz	5.8GHz	5.82GHz	5.84GHz	5.86GHz	5.88GHz	5.9GHz	5.92GHz	5.94GHz	5.96GHz	5.98GHz	6GHz
0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1.8	-1.76	-1.84	-1.71	-1.41	-1.68	-2.03	-2.69	-3.07	-3.42	-3.28	-3.1	-2.6	-1.79
-8.06	-8.04	-8.13	-7.97	-7.68	-7.88	-8.21	-8.85	-9.16	-9.49	-9.31	-9.06	-8.55	-7.74
-2.97	-2.93	-3	-2.88	-2.58	-2.87	-3.23	-3.9	-4.29	-4.66	-4.52	-4.37	-3.88	-3.07
5.67	5.69	5.63	5.86	6.1	5.77	5.52	4.82	4.45	4.14	4.41	4.48	5	5.83
7.47	7.45	7.47	7.57	7.51	7.45	7.55	7.51	7.52	7.56	7.69	7.58	7.6	7.62
-1.8	-1.76	-1.84	-1.71	-1.41	-1.68	-2.03	-2.69	-3.07	-3.42	-3.28	-3.1	-2.6	-1.79
66.07	66.68	65.46	67.45	72.28	67.92	62.66	53.83	49.32	45.5	46.99	48.98	54.95	66.22
5.67	5.69	5.63	5.86	6.1	5.77	5.52	4.82	4.45	4.14	4.41	4.48	5	5.83
-5.24	-5.22	-5.31	-5.22	-4.92	-5.21	-5.61	-6.3	-6.67	-7.04	-6.9	-6.73	-6.25	-5.45
-3.19	-3.16	-3.23	-3.12	-2.81	-3.1	-3.47	-4.15	-4.52	-4.88	-4.73	-4.55	-4.06	-3.24
5.67	5.69	5.63	5.86	6.1	5.77	5.52	4.82	4.45	4.14	4.41	4.48	5	5.83
105	105	105	105	105	105	105	105	105	105	105	105	105	105
15	15	15	30	30	345	0	0	345	345	15	0	15	15
-18.55	-18.67	-18.83	-19.31	-21.54	-23.67	-21.95	-23.44	-23.68	-24.98	-25.63	-22.82	-22.34	-20.19
30	30	30	30	30	30	30	30	150	150	150	150	150	150
180	255	195	195	210	210	210	210	150	150	150	150	150	150
0	0	0	0	0	0	0	0	0	0	0	0	0	0
-2.52	-2.48	-2.54	-2.45	-2.13	-2.46	-2.86	-3.58	-3.98	-4.37	-4.22	-4.06	-3.54	-2.69
-9.32	-9.32	-9.41	-9.33	-8.99	-9.27	-9.68	-10.43	-10.78	-11.17	-11.01	-10.79	-10.25	-9.38
-3.54	-3.49	-3.54	-3.45	-3.13	-3.47	-3.87	-4.58	-4.99	-5.39	-5.24	-5.09	-4.58	-3.74
5.66	5.69	5.63	5.83	6.08	5.7	5.44	4.75	4.37	4.08	4.41	4.48	4.99	5.82
8.18	8.17	8.17	8.28	8.21	8.16	8.3	8.33	8.35	8.45	8.63	8.54	8.53	8.51
-2.52	-2.48	-2.54	-2.45	-2.13	-2.46	-2.86	-3.58	-3.98	-4.37	-4.22	-4.06	-3.54	-2.69
55.98	56.49	55.72	56.89	61.24	56.75	51.76	43.85	39.99	36.56	37.84	39.26	44.26	53.83
5.66	5.69	5.63	5.83	6.08	5.7	5.44	4.75	4.37	4.08	4.41	4.48	4.99	5.82
-5.72	-5.7	-5.79	-5.74	-5.43	-5.78	-6.21	-6.98	-7.38	-7.79	-7.67	-7.54	-7.05	-6.24
-3.67	-3.63	-3.7	-3.63	-3.31	-3.64	-4.04	-4.78	-5.18	-5.58	-5.43	-5.28	-4.78	-3.94
5.66	5.69	5.63	5.83	6.08	5.7	5.44	4.75	4.37	4.08	4.41	4.48	4.99	5.82
105	105	105	105	105	105	105	105	105	105	105	105	105	105
15	15	15	30	30	15	0	0	0	15	15	15	15	15
-28.44	-31.98	-41.33	-31.24	-28.19	-31.34	-33.55	-37.18	-31.75	-29.61	-28.69	-28.68	-33.53	-37.84
30	30	30	30	105	105	30	30	30	30	45	45	45	45
285	285	285	285	300	300	195	195	195	195	300	300	300	300
0	0	0	0	0	0	0	0	0	0	0	0	0	0
-9.93	-9.89	-10.09	-9.74	-9.55	-9.53	-9.65	-10.03	-10.32	-10.5	-10.39	-10.13	-9.72	-9.07
-14.04	-13.96	-14.09	-13.68	-13.53	-13.48	-13.61	-14.01	-14.24	-14.42	-14.21	-13.89	-13.44	-12.74
-12.06	-12.06	-12.29	-11.99	-11.77	-11.77	-11.88	-12.25	-12.57	-12.75	-12.72	-12.51	-12.12	-11.5
1.1	1.25	1.16	1.5	1.86	1.69	1.6	1.16	0.8	0.59	0.67	0.75	1.09	1.64
11.03	11.14	11.25	11.24	11.41	11.22	11.25	11.19	11.12	11.09	11.06	10.88	10.81	10.71
-9.93	-9.89	-10.09	-9.74	-9.55	-9.53	-9.65	-10.03	-10.32	-10.5	-10.39	-10.13	-9.72	-9.07
10.16	10.26	9.79	10.62	11.09	11.14	10.84	9.93	9.29	8.91	9.14	9.71	10.67	12.39
1.1	1.25	1.16	1.5	1.86	1.69	1.6	1.16	0.8	0.59	0.67	0.75	1.09	1.64
-15.07	-15.05	-15.16	-14.74	-14.5	-14.38	-14.5	-14.72	-14.89	-15.03	-14.78	-14.43	-13.96	-13.25
-13.02	-12.99	-13.12	-12.73	-12.51	-12.43	-12.54	-12.83	-13.04	-13.2	-13.01	-12.68	-12.23	-11.52
1.1	1.25	1.16	1.5	1.86	1.69	1.6	1.16	0.8	0.59	0.67	0.75	1.09	1.64
165	165	165	165	165	165	165	165	165	165	165	165	165	165
285	285	285	285	285	285	285	285	285	285	285	285	285	285
-25.26	-27.44	-30.39	-33.3	-33.32	-35.62	-30.3	-32.99	-31.99	-35.26	-33.77	-33.91	-30.93	-27.62
75	90	150	30	90	30	90	90	105	150	150	150	90	105
30	150	135	255	225	210	300	300	120	150	150	150	240	225