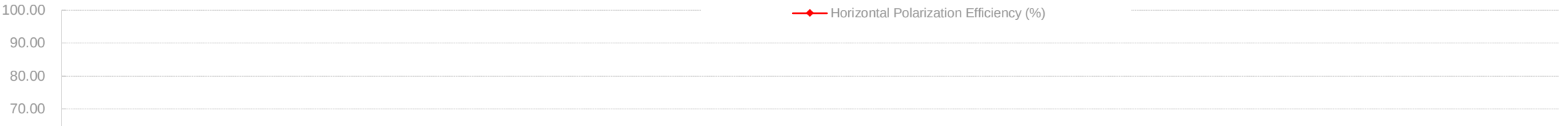
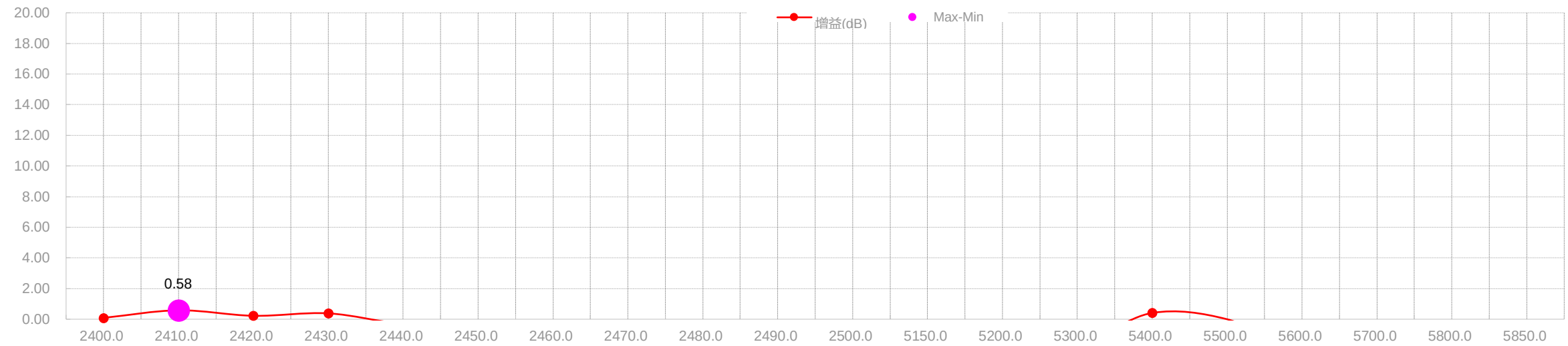
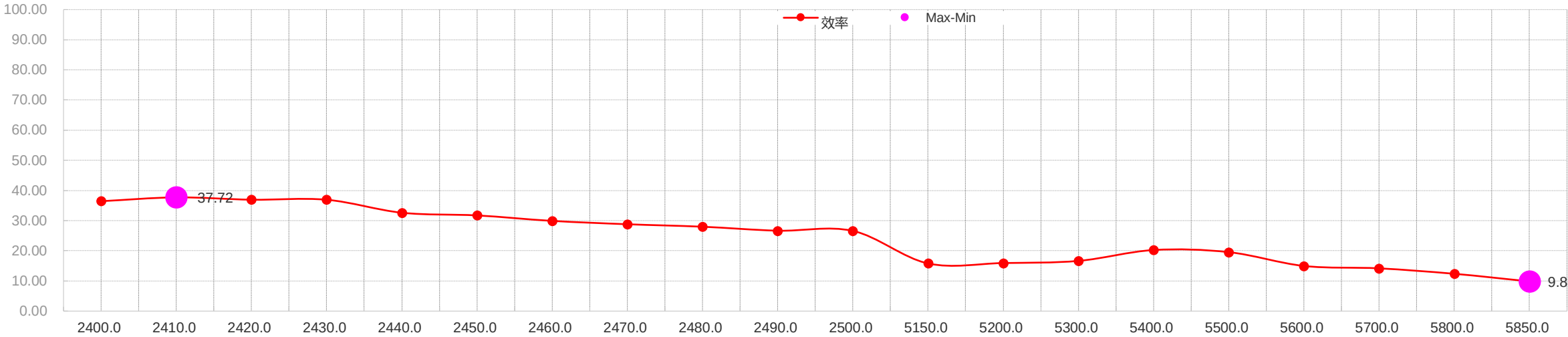
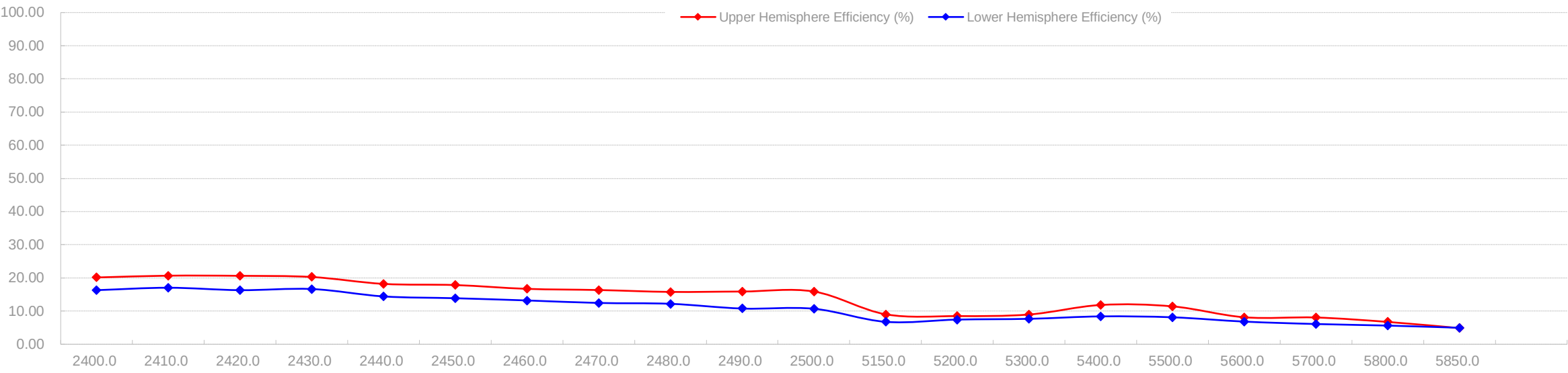
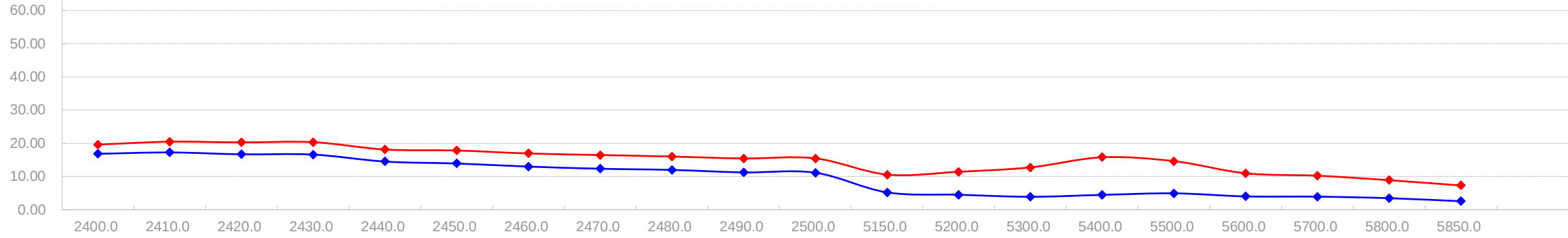


Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0	5150.0	5200.0	5300.0	5400.0	5500.0	5600.0	5700.0	5800.0	5850.0	
Efficiency (dBi)	-4.38	-4.23	-4.32	-4.33	-4.86	-4.99	-5.24	-5.41	-5.53	-5.74	-5.75	-8.01	-7.98	-7.79	-6.94	-7.09	-8.25	-8.49	-9.08	-10.07	
Gain (dBi)	0.09	0.58	0.22	0.38	-0.30	-0.38	-0.84	-1.06	-1.05	-0.99	-0.99	-0.91	-1.23	-1.59	0.41	0.00	-2.05	-1.24	-1.84	-3.53	
Efficiency (%)	36.45	37.72	36.94	36.93	32.62	31.73	29.92	28.81	27.98	26.66	26.60	15.80	15.94	16.64	20.25	19.55	14.97	14.17	12.37	9.84	
Directivity (dB)	4.47	4.82	4.55	4.71	4.56	4.61	4.40	4.35	4.48	4.75	4.77	7.10	6.74	6.20	7.35	7.09	6.19	7.24	7.23	6.54	
Maximum Gain Position (theta)	90.00	90.00	90.00	90.00	71.00	90.00	90.00	93.00	55.00	55.00	69.00	70.00	71.00	93.00	71.00	66.00	93.00	70.00	66.00	70.00	
Maximum Gain Position (Phi)	151.00	152.00	154.00	185.00	147.00	187.00	187.00	34.00	325.00	324.00	329.00	89.00	90.00	89.00	348.00	93.00	70.00	66.00	102.00	82.00	
Horizontal Polarization Efficiency (%)	19.61	20.47	20.27	20.33	18.13	17.82	16.93	16.47	16.00	15.43	15.46	10.58	11.43	12.75	15.78	14.62	10.96	10.24	8.89	7.29	
Vertical Polarization Efficiency (%)	16.83	17.24	16.68	16.60	14.50	13.91	12.99	12.34	11.98	11.23	11.14	5.22	4.51	3.90	4.47	4.93	4.01	3.93	3.48	2.55	
Upper Hemisphere Efficiency (%)	20.13	20.68	20.63	20.28	18.20	17.85	16.71	16.35	15.78	15.90	15.90	9.03	8.49	8.97	11.85	11.42	8.14	8.07	6.73	4.87	
Lower Hemisphere Efficiency (%)	16.31	17.04	16.31	16.65	14.43	13.88	13.21	12.46	12.20	10.77	10.70	6.77	7.44	7.67	8.40	8.13	6.83	6.10	5.63	4.97	
T90 (H) Circularity	11.00	10.52	10.42	10.91	11.58	11.87	11.46	10.81	11.01	11.22	11.85	14.74	16.17	20.92	14.22	12.24	16.91	16.14	18.30	20.00	
E1 Plane (XZ) Beamwidth	90.06	80.58	73.74	68.40	70.47	69.40	74.27	76.61	76.92	77.01	76.87	50.81	62.66	46.77	44.76	38.15	36.02	37.65	33.04	33.13	
E1 Plane (XZ) Front-to-Back Ratio	4.14	5.05	5.20	5.18	4.06	3.95	4.42	5.96	6.56	6.26	5.31	4.76	4.69	4.44	5.85	6.09	5.65	4.64	2.36	3.05	
E2 Plane (YZ) Beamwidth	28.70	27.95	29.20	43.92	40.17	25.30	24.16	22.20	20.61	42.09	41.61	29.83	24.62	28.93	24.13	31.20	42.19	48.08	19.12	20.12	
E2 Plane (YZ) Front-to-Back Ratio	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.02	1.27	4.12	5.40	3.85	4.97	4.51	2.69	1.51	4.72	2.83	
Axial Ratio at Maximum Gain (P)	18.37	19.26	19.12	9.64	10.81	11.42	12.24	7.42	15.85	17.14	17.77	27.67	36.60	20.81	19.83	34.25	29.08	15.72	18.89	9.80	
Axial Ratio at Vertex (Theta = 0)	24.00	15.97	14.70	17.00	20.30	22.72	18.88	19.17	18.67	26.76	39.59	15.94	16.26	18.18	3.08	4.74	7.15	4.97	17.86	26.20	
Worst (Maximum) Axial Ratio at	49.73	46.32	59.49	47.46	47.33	51.59	58.97	49.79	48.12	53.60	56.43	48.98	65.51	58.80	50.56	47.95	54.48	50.51	61.02	48.29	
Hc Plane (XY) Beamwidth																					
Hc Plane (XY) Front-to-Back Ratio																					
Cross-Pole Ratio at Maximum G	18.37	19.26	19.11	9.58	10.81	10.88	11.47	7.37	1.77	1.09	3.20	11.02	9.59	4.90	2.10	4.42	3.46	2.72	1.92	3.02	
Cross-Pole Ratio at Maximum G	0.09	0.07	0.10	0.52	0.08	1.48	1.66	0.59	14.26	16.28	12.82	4.94	5.97	10.62	15.95	12.03	13.98	12.69	15.90	8.23	
Worst Cross-Pole Ratio at T90° (	0.02	0.02	0.02	0.10	0.01	0.01	0.02	0.05	0.01	0.19	0.12	0.06	0.01	0.03	0.01	0.00	0.04	0.07	0.00	0.01	
Worst Cross-Pole Ratio at T90° (	0.01	0.00	0.01	0.00	0.02	0.01	0.04	0.05	0.01	0.01	0.01	0.01	0.05	0.10	0.00	0.07	0.03	0.06	0.06	0.12	
Axisymmetric Antenna Mainlob	-2.43	3.97	5.82	1.17	-3.80	-9.34	-7.91	-1.79	0.92	8.14	9.04	10.96	12.30	13.18	17.88	14.21	30.07	54.34	49.95	32.50	
Axial (Z+) Horizontal-Vertical P	10.37	9.73	8.54	8.18	7.95	8.62	8.41	9.43	8.69	9.02	8.86	10.22	2.77	12.59	0.83	2.84	7.05	4.92	17.34	23.00	
T85.0 Maximum Gain	-0.72	-0.37	-0.72	-0.56	-1.28	-1.36	-2.02	-2.13	-2.28	-2.23	-2.50	-4.16	-4.59	-4.36	-1.87	-2.01	-4.90	-5.03	-4.66	-5.40	
T85.0 Circularity	11.84	11.87	11.91	12.39	12.05	11.30	10.36	9.71	9.85	10.18	10.42	14.97	18.76	23.26	18.03	14.61	14.97	11.78	18.57	14.79	
Left-hand circular polarization e	15.28	14.89	14.04	14.19	12.93	13.06	12.70	12.51	12.34	11.77	11.78	8.10	8.19	8.75	9.98	9.29	7.96	7.80	6.52	5.04	
Right-hand circular polarization	21.16	22.83	22.90	22.74	19.70	18.67	17.22	16.30	15.64	14.89	14.82	7.69	7.74	7.90	10.27	10.26	7.01	6.37	5.85	4.80	
Left-hand circular polarization g	-3.19	-2.71	-2.85	-2.29	-2.69	-3.06	-3.22	-3.79	-3.86	-3.87	-3.96	-3.56	-3.35	-3.82	-2.60	-1.80	-3.66	-2.98	-3.08	-4.50	
Right-hand circular polarization	-0.36	0.14	-0.09	-0.16	-1.00	-1.13	-1.45	-1.71	-1.89	-2.43	-2.30	-3.32	-3.78	-3.81	-1.71	-1.70	-4.13	-4.83	-3.62	-4.84	
Empty																					



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2.50 2.49 2.31 2.11 1.95 1.92 1.72 1.30 1.53 1.52 2.05 5.81 6.50 6.13 3.65 2.06 1.23 3.09 5.57 6.88

