

3G Network Performance Report

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RTWP Summary Table

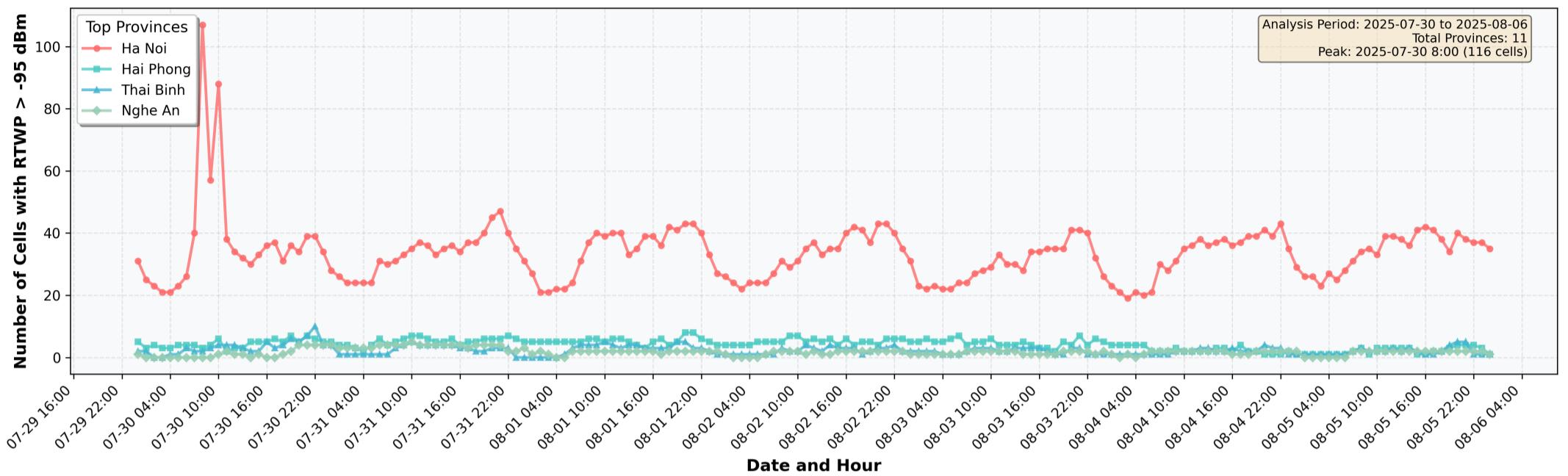
Date	Hour	Bac Giang	Bac Ninh	Hai Noi	Hai Duong	Hai Phong	Nam Dinh	Nghia An	Ninh Binh	Thai Binh	Thai Nguyen	Thanh Hoa	Grand Total
2025-07-30	0	0	1	31	0	5	1	1	0	2	0	1	42
2025-07-30	1	0	1	25	0	3	1	0	0	2	1	1	34
2025-07-30	2	0	1	23	0	4	0	0	0	0	0	1	29
2025-07-30	3	0	1	21	0	3	0	0	0	0	0	1	26
2025-07-30	4	0	1	21	0	3	0	0	0	0	1	0	27
2025-07-30	5	0	1	23	0	4	1	0	0	1	0	1	31
2025-07-30	6	0	1	26	0	4	1	0	0	3	0	1	36
2025-07-30	7	0	1	40	0	4	1	0	0	2	0	1	49
2025-07-30	8	0	1	107	1	3	1	0	0	2	0	1	116
2025-07-30	9	0	1	57	1	4	1	0	0	3	0	1	68
2025-07-30	10	0	1	88	1	6	1	1	0	4	0	0	102
2025-07-30	11	0	1	38	1	2	1	2	0	4	0	0	49
2025-07-30	12	0	1	34	1	3	2	1	0	4	0	0	46
2025-07-30	13	0	1	32	1	3	1	1	0	3	0	0	42
2025-07-30	14	0	1	30	1	5	1	0	0	2	0	0	40
2025-07-30	15	0	1	33	1	5	1	1	0	2	1	0	45
2025-07-30	16	0	1	36	1	5	1	0	0	5	0	0	49
2025-07-30	17	0	1	37	1	6	2	0	0	3	0	0	50
2025-07-30	18	0	1	31	1	5	2	1	0	4	0	0	45
2025-07-30	19	0	1	36	1	7	1	2	0	6	1	0	55
2025-07-30	20	0	1	34	1	5	2	4	0	5	2	0	54
2025-07-30	21	0	1	39	1	7	2	4	0	7	2	0	63
2025-07-30	22	0	1	39	1	6	2	4	0	10	1	0	64
2025-07-30	23	0	1	34	0	5	2	4	0	4	1	0	51
2025-07-31	0	0	1	28	0	5	1	4	0	4	0	0	43
2025-07-31	1	0	1	26	0	4	0	3	0	1	0	0	35
2025-07-31	2	0	1	24	0	4	0	3	0	1	0	0	33
2025-07-31	3	0	1	24	0	3	0	3	0	1	0	0	32
2025-07-31	4	0	1	24	0	2	0	3	0	1	0	0	31
2025-07-31	5	0	1	24	0	4	0	3	0	1	0	0	33
2025-07-31	6	0	1	31	0	6	1	4	0	1	0	0	44
2025-07-31	7	0	1	30	0	4	1	4	0	1	1	0	42
2025-07-31	8	0	1	31	0	5	1	4	0	3	0	0	45
2025-07-31	9	0	1	33	0	6	1	4	0	4	0	0	49
2025-07-31	10	0	1	35	1	7	1	5	0	5	0	0	55
2025-07-31	11	0	1	37	1	7	1	4	0	4	0	0	55
2025-07-31	12	0	1	36	1	6	1	4	0	4	0	0	53
2025-07-31	13	0	1	33	1	5	1	4	0	4	0	0	49
2025-07-31	14	0	1	35	1	5	1	4	0	4	0	0	51
2025-07-31	15	0	1	36	0	6	1	4	0	4	0	0	52
2025-07-31	16	0	1	34	1	4	1	4	0	3	0	0	48
2025-07-31	17	0	1	37	1	5	1	3	0	3	0	0	51
2025-07-31	18	0	1	37	1	5	1	4	0	2	0	0	51
2025-07-31	19	0	1	45	1	6	2	4	0	3	0	0	62
2025-07-31	20	0	1	45	1	6	2	4	0	3	0	0	64
2025-07-31	21	0	1	47	2	6	1	4	0	3	0	0	64
2025-07-31	22	0	1	40	1	7	1	2	0	3	0	0	55
2025-08-01	0	0	1	31	0	5	1	3	0	0	0	0	41
2025-08-01	1	0	1	27	0	5	1	1	0	0	0	0	35
2025-08-01	2	0	1	21	0	5	0	2	0	0	0	0	29
2025-08-01	3	0	1	21	0	5	0	1	0	0	0	0	28
2025-08-01	4	0	1	22	0	5	0	0	0	0	0	0	29
2025-08-01	5	0	1	22	0	5	0	0	0	0	1	0	29
2025-08-01	6	0	1	24	0	5	0	0	0	0	1	0	36
2025-08-01	7	0	1	24	0	5	1	2	0	3	0	0	36
2025-08-01	8	0	1	31	0	5	1	2	0	4	0	0	44
2025-08-01	9	0	1	37	0	6	1	2	0	4	1	0	52
2025-08-01	10	0	1	40	0	6	1	2	0	0	0	0	55
2025-08-01	11	0	1	40	1	6	1	2	0	4	0	0	55
2025-08-01	12	0	1	40	1	6	2	2	0	3	0	0	55
2025-08-01	13	0	1	33	1	5	1	2	0	4	0	0	47
2025-08-01	14	0	1	35	1	4	1	2	0	4	0	0	48
2025-08-01	15	0	1	39	1	3	1	2	0	3	0	0	50
2025-08-01	16	0	1	39	1	5	1	2	0	3	0	0	52
2025-08-01	17	0	1	36	1	6	1	1	0	3	0	0	49
2025-08-01	18	0	1	42	1	4	1	2	0	3	0	0	54
2025-08-01	19	0	1	41	1	5	1	2	0	5	0	0	56
2025-08-01	20	0	1	41	1	6	1	2	0	3	0	0	46
2025-08-01	21	0	1	43	1	8	1	2	0	3	0	0	59
2025-08-01	22	0	1	40	1	6	1	2	0	3	0	0	55
2025-08-01	23	0	1	43	1	8	1	2	0	3	0	0	55
2025-08-01	24	0	1	43	1	8	1	2	0	3	0	0	55

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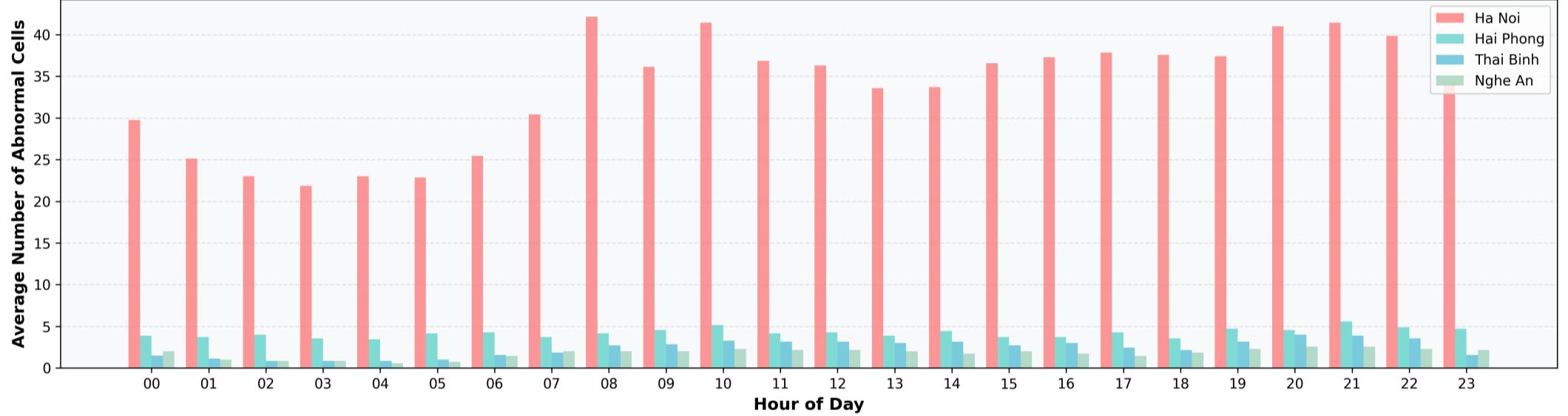
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RTWP Trend Analysis

RTWP Abnormal Cells Trend Analysis by Province



Hourly Distribution of Abnormal Cells



3G Network Performance Report

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Ericsson KPI Dashboard

Daily 3G KPI Dashboard of Ericsson

Daily 3G KPI Dashboard of Ericsson (24h)

Item	CS CSSR	HSDPA CSSR	CS CDR	HSDPA CDR	CS Traffic (Erl)
Target (%)	99.00	98.00	0.80	1.50	-
05-Aug-25	99.69	98.68	0.22	1.18	1,638
04-Aug-25	99.70	98.72	0.17	1.12	1,662
29-Jul-25	99.72	98.72	0.17	1.18	1,678
Compare with (D-1)	-0.01% ►	-0.04% ►	-0.05% ►	-0.06% ►	-1% ►
Compare with (D-7)	-0.03% ►	-0.04% ►	-0.05% ►	+0.00% ►	-2% ▼

Item	CS Soft HOSR	HSDPA Soft HOSR	CS IRAT HOSR	PS IRAT HOSR	PS Traffic (GB)
Target (%)	99.00	98.00	97.00	92.00	-
05-Aug-25	99.80	99.89	-	-	19,418
04-Aug-25	99.86	99.89	-	-	19,411
29-Jul-25	99.86	99.89	-	-	20,381
Compare with (D-1)	-0.06% ►	+0.00% ►	0%	0%	+0% ►
Compare with (D-7)	-0.06% ►	+0.00% ►	0%	0%	-5% ▼

Daily 3G KPI Dashboard of Ericsson (BH)

Item	CS CSSR	HSDPA CSSR	CS CDR	HSDPA CDR	CS Traffic (Erl)
Target (%)	99.00	98.00	0.80	1.50	-
05-Aug-25	99.66	98.78	0.31	1.31	162
04-Aug-25	99.71	98.84	0.21	1.21	179
29-Jul-25	99.70	98.84	0.23	1.29	170
Compare with (D-1)	-0.05% ►	-0.06% ►	-0.10% ►	-0.10% ►	-9% ▼
Compare with (D-7)	-0.04% ►	-0.06% ►	-0.08% ►	-0.02% ►	-5% ▼

Item	CS Soft HOSR	HSDPA Soft HOSR	CS IRAT HOSR	PS IRAT HOSR	PS Traffic (GB)
Target (%)	99.00	98.00	97.00	92.00	-
05-Aug-25	99.80	99.91	-	-	2,609
04-Aug-25	99.86	99.90	-	-	2,695
29-Jul-25	99.88	99.91	-	-	2,882
Compare with (D-1)	-0.06% ►	+0.01% ►	0%	0%	-3% ▼
Compare with (D-7)	-0.08% ►	+0.00% ►	0%	0%	-9% ▼

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ZTE KPI Dashboard

Daily 3G KPI Dashboard of ZTE

Daily 3G KPI Dashboard of ZTE (24h)

Item	CS CSSR	HSDPA CSSR	CS CDR	HSDPA CDR	CS Traffic (Erl)
Target (%)	99.00	98.00	0.80	1.50	-
05-Aug-25	99.73	99.23	0.05	1.18	330
04-Aug-25	99.73	99.23	0.05	1.12	337
29-Jul-25	99.69	99.21	0.04	1.14	333
Compare with (D-1)	+0.00% ►	+0.00% ►	+0.00% ►	-0.06% ►	-2% ▼
Compare with (D-7)	+0.04% ►	+0.02% ►	-0.01% ►	-0.04% ►	-1% ►

Item	CS Soft HOSR	HSDPA Soft HOSR	CS IRAT HOSR	PS IRAT HOSR	PS Traffic (GB)
Target (%)	99.00	98.00	97.00	92.00	-
05-Aug-25	99.98	99.99	0.00	0.00	2,636
04-Aug-25	99.95	100.00	0.00	0.00	2,579
29-Jul-25	99.94	99.99	0.00	0.00	2,761
Compare with (D-1)	+0.03% ►	-0.01% ►	+0.00% ►	+0.00% ►	+2% ▲
Compare with (D-7)	+0.04% ►	+0.00% ►	+0.00% ►	+0.00% ►	-5% ▼

Daily 3G KPI Dashboard of ZTE (BH)

Item	CS CSSR	HSDPA CSSR	CS CDR	HSDPA CDR	CS Traffic (Erl)
Target (%)	99.00	98.00	0.80	1.50	-
05-Aug-25	99.49	99.07	0.02	1.22	31
04-Aug-25	99.39	99.18	0.04	0.95	32
29-Jul-25	98.94	99.15	0.04	1.08	29
Compare with (D-1)	+0.10% ►	-0.11% ►	+0.02% ►	-0.27% ►	-3% ▼
Compare with (D-7)	+0.55% ►	-0.08% ►	+0.02% ►	-0.14% ►	+7% ▲

Item	CS Soft HOSR	HSDPA Soft HOSR	CS IRAT HOSR	PS IRAT HOSR	PS Traffic (GB)
Target (%)	99.00	98.00	97.00	92.00	-
05-Aug-25	100.00	100.00	0.00	0.00	330
04-Aug-25	99.93	100.00	0.00	0.00	338
29-Jul-25	99.81	99.99	0.00	0.00	389
Compare with (D-1)	+0.07% ►	+0.00% ►	+0.00% ►	+0.00% ►	-2% ▼
Compare with (D-7)	+0.19% ►	+0.01% ►	+0.00% ►	+0.00% ►	-15% ▼

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3G KPI Dashboard (BH)

Daily 3G KPI Dashboard by RNC (BH)

Item	HLRE01	HLRE02	HLRE03	HLRE04	HNRZ01	KPI
05-Aug-25	0.31	0.31	0.40	0.21	0.00	CS CDR (%)
04-Aug-25	0.19	0.20	0.34	0.11	0.00	
29-Jul-25	0.21	0.30	0.35	0.04	0.00	
Delta (D-1)	▼ -66.64%	▼ -54.48%	► -16.80%	▼ -92.96%	► 0.00%	
Delta (D-7)	▼ -45.36%	► -2.51%	► -14.77%	▼ -394.68%	► 0.00%	
05-Aug-25	99.67	99.58	99.67	99.74	99.11	
04-Aug-25	99.70	99.72	99.72	99.70	98.92	
29-Jul-25	99.64	99.46	99.79	99.89	97.92	CS CSSR (%)
Delta (D-1)	► -10.90%	▼ -33.57%	► -16.17%	► 16.37%	► 21.78%	
Delta (D-7)	► 6.63%	► 21.60%	▼ -60.44%	▼ -128.65%	▲ +57.40%	
05-Aug-25	99.64	99.81	99.83	99.93	100.00	
04-Aug-25	99.90	99.87	99.82	99.83	99.85	
29-Jul-25	99.91	99.90	99.78	99.91	99.62	
Delta (D-1)	▼ -72.60%	▼ -30.67%	► 4.04%	▲ +128.85%	▲ +inf%	
Delta (D-7)	▼ -286.63%	▼ -99.80%	► 19.66%	► 21.08%	▲ +100.00%	
05-Aug-25	214.54	135.50	188.21	110.11	13.13	CS Traffic (Erl)
04-Aug-25	237.54	159.19	213.48	107.74	13.17	
29-Jul-25	220.85	144.92	186.25	128.16	12.94	
Delta (D-1)	► 20.08%	▲ +66.74%	► 28.64%	► -23.45%	► -0.05%	
Delta (D-7)	► 5.22%	► 20.99%	► -2.27%	▲ +64.12%	► 0.22%	
05-Aug-25	1.23	1.39	1.40	1.23	1.49	HSDPA CDR (%)
04-Aug-25	1.15	1.24	1.28	1.18	1.04	
29-Jul-25	1.25	1.34	1.31	1.26	1.26	
Delta (D-1)	► -7.12%	► -12.17%	► -9.12%	► -3.88%	▼ -43.27%	
Delta (D-7)	► 1.82%	► -3.72%	► -6.65%	► 2.27%	► 18.40%	
05-Aug-25	98.86	98.90	98.44	98.92	98.95	HSDPA CSSR (%)
04-Aug-25	98.82	98.92	98.75	98.89	99.14	
29-Jul-25	98.84	98.93	98.63	98.97	99.32	
Delta (D-1)	► 3.57%	► -2.01%	► -19.82%	► 2.39%	► -18.51%	
Delta (D-7)	► 1.81%	► -2.88%	► -14.12%	► -5.04%	▼ -55.02%	
05-Aug-25	99.90	99.91	99.89	99.92	100.00	PS Soft HOSR (%)
04-Aug-25	99.89	99.91	99.88	99.92	100.00	
29-Jul-25	99.90	99.92	99.89	99.93	100.00	
Delta (D-1)	► 16.23%	► 6.79%	► 1.61%	► 6.82%	▼ -91.30%	
Delta (D-7)	► 6.37%	► -7.84%	► -5.40%	► -12.23%	▼ -53.33%	
05-Aug-25	2468	2563	3055	2348	172	PS Traffic (GB)
04-Aug-25	2391	2487	3514	2391	185	
29-Jul-25	2692	2700	3563	2574	202	
Delta (D-1)	► -3.29%	► -3.10%	► 15.52%	► 1.91%	► 17.92%	
Delta (D-7)	► 8.62%	► 5.27%	► 14.68%	► 9.12%	► 29.56%	

3G Network Performance Report

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3G KPI Dashboard (24h)

Daily 3G KPI Dashboard by RNC (24h)

Item	HLRE01	HLRE02	HLRE03	HLRE04	HNRZ01	KPI
05-Aug-25	0.23	0.23	0.28	0.15	0.04	CS CDR (%)
04-Aug-25	0.21	0.19	0.16	0.12	0.03	
29-Jul-25	0.20	0.20	0.23	0.03	0.04	
Delta (D-1)	► -7.70%	► -16.88%	▼ -76.77%	► -21.31%	► -19.17%	
Delta (D-7)	► -11.72%	► -14.17%	► -17.44%	▼ -421.81%	► -13.48%	
05-Aug-25	99.71	99.61	99.67	99.77	99.67	
04-Aug-25	99.68	99.61	99.72	99.77	99.64	
29-Jul-25	99.59	99.65	99.72	99.93	99.52	CS CSSR (%)
Delta (D-1)	► 10.07%	► -0.92%	► -16.00%	► 1.86%	► 10.79%	
Delta (D-7)	► 29.44%	► -11.51%	► -17.73%	▼ -223.67%	▲ +31.56%	
05-Aug-25	99.69	99.82	99.80	99.89	99.96	
04-Aug-25	99.86	99.86	99.87	99.87	99.90	
29-Jul-25	99.84	99.89	99.83	99.90	99.88	
Delta (D-1)	▼ -53.95%	► -24.17%	▼ -30.99%	► 16.53%	▲ +127.83%	
Delta (D-7)	▼ -101.55%	▼ -56.96%	► -14.85%	► -9.04%	▲ +65.81%	
05-Aug-25	2443.53	1322.01	1767.73	1017.39	139.51	CS Traffic (Erl)
04-Aug-25	2433.03	1355.15	1836.84	1021.02	132.74	
29-Jul-25	2444.95	1331.51	1673.48	1261.38	130.29	
Delta (D-1)	► -0.45%	► 2.71%	► 4.14%	► 0.40%	► -17.12%	
Delta (D-7)	► 0.06%	► 0.77%	► -5.99%	► 21.01%	▼ -30.43%	
05-Aug-25	1.16	1.21	1.21	1.15	1.29	
04-Aug-25	1.10	1.16	1.14	1.09	1.18	
29-Jul-25	1.18	1.21	1.17	1.15	1.21	HSDPA CDR (%)
Delta (D-1)	► -5.06%	► -4.30%	► -6.25%	► -5.43%	► -9.30%	
Delta (D-7)	► 1.94%	► 0.03%	► -3.72%	► 0.11%	► -6.26%	
05-Aug-25	98.76	98.84	98.37	98.76	99.15	
04-Aug-25	98.79	98.89	98.44	98.77	99.27	
29-Jul-25	98.77	98.90	98.40	98.79	99.25	
Delta (D-1)	► -2.14%	► -4.82%	► -3.92%	► -0.49%	► -14.54%	
Delta (D-7)	► -1.05%	► -6.20%	► -1.52%	► -2.37%	► -13.39%	
05-Aug-25	99.88	99.90	99.86	99.91	100.00	PS Soft HOSR (%)
04-Aug-25	99.88	99.90	99.87	99.91	100.00	
29-Jul-25	99.88	99.90	99.87	99.91	99.99	
Delta (D-1)	► -0.01%	► -2.44%	► -4.31%	► -5.79%	▼ -34.21%	
Delta (D-7)	► 3.17%	► 0.49%	► -2.99%	► -7.26%	▲ +32.14%	
05-Aug-25	19175	19017	22528	16953	1372	
04-Aug-25	18887	18929	22812	17015	1346	
29-Jul-25	19298	19809	24715	17702	1407	PS Traffic (GB)
Delta (D-1)	► -1.51%	► -0.46%	► 1.26%	► 0.37%	► -2.10%	
Delta (D-7)	► 0.64%	► 4.02%	► 8.88%	► 4.25%	► 2.68%	