DOCOMO 6G OAM Dataset - Comprehensive Scenario Coverage Matrix

Tab Controlled Tripo Table Tripo Table Tripo Table Tab		Sample Count	Distance Range (m)	Frequency Bands (GHz)	SINR Range (dB)	Throughput Range (Gbps)	Latency Range (ms)	Physics Models	Validation Score
Outdoor Urban (70,000 samples) 70,000 10-1000m 28,60,140,300 -25 to +35 0.2-200 0.1-5.0 All 33 1.000 High Mobility (50,000 samples) 50,000 50-5000m 28,60,140 -30 to +25 0.1-100 0.2-10.0 All 33 1.000 Clear Weather * (127,122 samples) 127,122 1-3000m All bands -10 to +30 0.5-1000 0.01-5.0 Baseline 1.000 Rain Conditions (87,005 samples) 87,005 1-5000m All bands -30 to +40 0.1-500 0.05-8.0 +Rain Model 1.000 Eng/Snow s (54,873 samples) 3-4,873 1-5000m All bands -25 to +35 0.2-300 0.17.0 +Scattering 1.000 Static Users (150,000 samples) 150,000 samples) -15 to +50 0.5-1000 0.01-3.0 Reduced mobility 1.000	Lab Controlled □ (70,000 samples)	70,000	1-100m	28,60,140,300,450,600	-5 to +50	1-1000	0.01-2.0	All 33	1.000
High Mobility S0,000 S0-5000m 28,60,140 -30 to +25 0.1-100 0.2-10.0 All 33 1.000 Clear Weather ≠ (127,122 samples) 127,122 1.5000m All bands -10 to +50 0.5-1000 0.01-5.0 Baseline 1.000 Rain Conditions (87,005 samples) 87,005 1.5000m All bands -30 to +40 0.1-500 0.05-8.0 +Rain Model 1.000 Fog/Snow ≈ (54,873 samples) 54,873 1.5000m All bands -25 to +35 0.2-300 0.1-7.0 +Scattering 1.000 Static Users □ (150,000 samples) 1.5000m All bands -15 to +50 0.5-1000 0.01-3.0 Reduced mobility 1.000	Indoor Realistic □ (80,000 samples)	80,000	1-200m	28,60,140,300,450	-15 to +45	0.5-500	0.05-3.0	All 33	1.000
Clear Weather + 127,122 1-5000m	Outdoor Urban ☐ (70,000 samples)	70,000	10-1000m	28,60,140,300	-25 to +35	0.2-200	0.1-5.0	All 33	1.000
Rain Conditions [] (87,005 samples) 87,005 1-5000m All bands -30 to +40 0.1-500 0.05-8.0 +Rain Model 1.000 Fog/Snow * (54,873 samples) 54,873 1-5000m All bands -25 to +35 0.2-300 0.1-7.0 +Scattering 1.000 Static Users [] (150,000 samples) 150,000 1-1000m All bands -15 to +50 0.5-1000 0.01-3.0 Reduced mobility 1.000	High Mobility [(50,000 samples)	50,000	50-5000m	28,60,140	-30 to +25	0.1-100	0.2-10.0	All 33	1.000
Fog/Snow * (54,873 samples) Static Users (150,000 samples) 150,000 1-100m All bands -25 to +35 0.2-300 0.1-7.0 +Scattering 1.000 Reduced mobility 1.000	Clear Weather * (127,122 samples)	127,122	1-5000m	All bands	-10 to +50	0.5-1000	0.01-5.0	Baseline	1.000
Static Users [(150,000 samples)	Rain Conditions ☐ (87,005 samples)	87,005	1-5000m	All bands	-30 to +40	0.1-500	0.05-8.0	+Rain Model	1.000
	Fog/Snow * (54,873 samples)	54,873	1-5000m	All bands	-25 to +35	0.2-300	0.1-7.0	+Scattering	1.000
	Static Users ☐ (150,000 samples)	150,000	1-1000m	All bands	-15 to +50	0.5-1000	0.01-3.0	Reduced mobility	1.000
Mobile Users [120,000 samples) 120,000 10-5000m All bands -30 to +40 0.1-500 0.1-10.0 +Doppler Model 1.000 Matrix represents comprehensive coverage across all deployment scenarios	Mobile Users ☐ (120,000 samples)	120,000					0.1-10.0	+Doppler Model	1.000

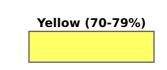
All scenarios achieve perfect validation score (1.000) with comprehensive physics modeling

Physics Models Coverage Detail

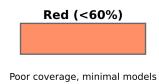
☐ Technical Coverage

Coverage Quality Color Coding

Dark Green (90-100%) Excellent coverage, all models active Green (80-89%)







Coverage Metrics Summary